



Key Management Interoperability Protocol Use Cases Version 1.0

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- Key Management Interoperability Protocol Specification Version 1.0, <http://docs.oasis-open.org/kmip/spec/v1.0/>
- Key Management Interoperability Protocol Profiles Version 1.0, <http://docs.oasis-open.org/kmip/profiles/v1.0/>
- Key Management Interoperability Protocol Usage Guide Version 1.0, <http://docs.oasis-open.org/kmip/ug/v1.0/>

Abstract:

This document is intended for developers and architects who wish to design systems and applications that interoperate using the Key Management Interoperability Protocol specification.

Status:

This document was last revised or approved by the Key Management Interoperability Protocol TC on the above date. The level of approval is also listed above. Check the "Latest Version" or "Latest Approved Version" location noted above for possible later revisions of this document.

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1 Introduction

The purpose of this document is to describe use-cases to demonstrate the Key Management Interoperability Protocol (KMIP) [KMIP-Spec]. The use-cases indicate if all concepts within the protocol are sound and if the protocol is usable when implementing typical scenarios in real life. These use-cases are not intended to fully test an implementation of KMIP. Thus, the use-cases do not contain typical QA scenarios which would stress an implementation. The use-cases are based on v1.0 of the protocol.

The use-cases define a number of client-to-server request-response pairs for a number of operations. For each request-response message pair the operation is stated, along with the relevant parameters needed for the request or response message. This is followed by two different illustrations of the messages: first, a human-readable construction which shows the fields tags, types and values, followed by the TTLV-encoding of the message. These are included to facilitate the implementation of the message creation and parsing functionality. The use-cases show one possible way to construct the messages, and the messages shown are not necessarily the only correct constructions (e.g. it is possible to omit the attribute index if it is zero). Also note that many values change dynamically when running the use-cases (the server-generated timestamps, Unique Identifiers and key material in responses, as well as Batch Item ID values in client-generated requests).

1.1 Normative References

- [KMIP-Spec] OASIS Draft, *Key Management Interoperability Specification v1.0*, Committee Draft, November 2009.
- [KMIP-Prof] OASIS Draft, *Key Management Interoperability Protocol Profiles v1.0*, Committee Draft, November 2009.

2 Message exchange

The message exchange between clients and the server to test the following use-case scenarios is performed with TTLV encoding over the http transport. This is to facilitate debugging and to focus on KMIP-specific issues instead of potential secure transport setup problems.

3 Centralized Management

3.1 Basic functionality

These use-cases test the basic features of KMIP including key creation and template registration, attribute functionality, access methods, and batch operation.

3.1.1 Use-case: Create / Destroy

In this use-case the client issues a Create request, whereby the server creates a new symmetric key and returns the Unique Identifier. To clean up, the client then performs a Destroy operation to destroy the key.

Time	Request/Response messages
0	Create (symmetric key)

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In: objectType='0000002' (Symmetric Key), attributes={ CryptographicAlgorithm='0000003' (AES), CryptographicLength='128', CryptographicUsageMask='000000C' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic
Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage
Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt,
Decrypt)

42007801000001204200770100000038420069010000002042006A020000000400000001000000042006B0200000004
0000000000000042000D020000000400000001000000042000F01000000D842005C05000000040000000100000000
42007901000000C04200570500000004000000020000000042009101000000A8420008010000003042000A0700000017
43727970746F6772617068696320416C676F726974686D0042000B050000000400000003000000004200080100000030
42000A070000001443727970746F67726170686963204C656E6774680000000042000B02000000040000008000000000
420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B0200000004
0000000C00000000

Out: objectType='0000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C2 (Thu Nov 12
11:47:30 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt, Decrypt)

Deleted: 4200750100000120420074010000003842006701000000204200680200000004000000010000
00004200690200000004000000020000000042009101000000A8420008010000003042000A0700000017
43727970746F6772617068696320416C676F726974686D0042000B050000000400000003000000004200080100000030
42000A070000001443727970746F67726170686963204C656E6774680000000042000B02000000040000008000000000
420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B0200000004
0000000C00000000

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	<p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: fc8833de-70d2-4ece-b063-fede3a3c59fe</p> <p>42007B01000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C242000D0200000004000000010000000042000F010000006842005C0500000004000000010000000042007F0500000004000000000000000042007C010000000404200570500000004000000200000004200940700000002466633838333364652D373064322D346563652D623036332D66656465336133633539666500000000</p>
1	<p>Destroy (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: fc8833de-70d2-4ece-b063-fede3a3c59fe</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F0100000004842005C05000000040000000140000000042007901000000304200940700000002466633838333364652D373064322D346563652D623036332D66656465336133633539666500000000</p> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C3 (Thu Nov 12 11:47:31 CFT 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: fc8833de-70d2-4ece-b063-fede3a3c59fe</p> <p>42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C342000D0200000004000000010000000042000F010000005842005C05000000040000000140000000042007F0500000004000000000000000042007C010000000304200940700000002466633838333364652D373064322D346563652D623036332D66656465336133633539666500000000</p>

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Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0731C (Mon Sep 28 10:26:04 CEST 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) [3]

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ [5]

Deleted: 42007501000000904200740100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F0100000004842005C05000000040000000140000000042007C010000000304200940700000002466633838333364652D373064322D346563652D623036332D66656465336133633539666500000000 [6]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ [7]

Deleted: 42007801000000B04200770100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C342000D0200000004000000010000000042000F010000005842005C05000000040000000140000000042007F0500000004000000000000000042007C010000000304200940700000002466633838333364652D373064322D346563652D623036332D66656465336133633539666500000000 [8]

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3.1.2 Use-case: Register / Create / Get attributes / Destroy

Here the client first registers a template object and then creates a symmetric key using the registered template. To verify that the attributes of the key were set correctly from the template, the client then issues a Get Attributes command, after which it destroys first the key and then the template.

Time	Request/Response messages
0	<p>Register (template)</p> <p>In: objectType='00000007', attributes={ ObjectGroup='Group1', ApplicationSpecificInformation='ssl', www.example.com', ContactInformation='Joe', x-Purpose='demonstration', Name={ NameValue='Template1', NameType='00000001' } }</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000003 (Register)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000006 (Template)</p> <p>Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group</p> <p>Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information</p> <p>Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:</p> <p>Tag: Application Namespace (0x420003), Type: Text String (0x07), Data: ssl</p> <p>Tag: Application Data (0x420002), Type: Text String (0x07), Data: www.example.com</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information</p> <p>Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose</p> <p>Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: demonstration</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name</p> <p>Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:</p> <p>Tag: Name Value (0x420055), Type: Text String (0x07), Data: Template1</p> <p>Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)</p> <p>-----</p> <p>42007801000001C04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000017842005C050000000400000003000000004200790100000160420057050000000400000006000000004200910100000148420008010000002842000A0700000000C4F626A6563742047726F75700000000042000B070000000647726F7570310000420008010000005842000A07000000204170706C696361746966E20537065636966696320496E666F726D6E746966E42000B0100000028420003070000006373736C000000000420002070000000F777777E6578616D706C652E636F6D00420008010000003042000A0700000013436F6E</p>

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000006 (Template)¶

Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data: ¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group¶

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information¶

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: ¶

Tag: Application Namespace (0x420003), Type: Text String (0x07), Data: ssl¶

Tag: Application Data (0x420002), Type: Text String (0x07), Data: www.example.com¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information¶

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose¶

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: demonstration¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name¶

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: ¶

Tag: Name Value (0x420055), Type: Text String (0x07), Data: Template1¶

Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)¶

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7461637420496E666F726D6174696F6E00000000042000B07000000034A6F65000000000420008010000003042000A070000009782D507572706F7365000000000000042000B070000000D64656D6F6E7374726174696F6E000000420008010000004042000A07000000044E616D650000000042000B0100000028420055070000000954656D706C617465310000000000000042005405000000040000000100000000

Out: uuidTemplate

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C4 (Thu Nov 12 11:47:32 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000003 (Register)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: a6ebb6f-4c54-4bbb-ad29-be6bad4ecad5

42007B01000000B042007A0100000048420069010000002042006A020000004000000010000000042006B020000004000000000000004200920900000008000000004AFBE7C42000D020000004000000010000000042000F010000005842005C0500000004000000030000000042007F050000000400000000000000042007C0100000030420094070000002461366562626236662D346335342D346262622D616432392D62653662616434656361643500000000

Deleted: 42007501000001C04200740100000038420067010000002042006802000000040000000100000042006902000000040000000000000042000D02000000040000000010000000042000F010000017842005A05000000040000000300000000420076010000016042005505000000400000006000000042008E0100000148420008010000002842000A070000000C4F626A6563742047726F7570000000042000B07000000647726F757031000042008010000005842000A07000000204170706C69636174696F6E20537065636966696320496E666F726D6174696F6E42000B010000002842003070000000373736C0000000000420002070000000F7777772E6578616D706C652E636F6D0042000801000003042000A0700000013436F6E7461637420496E666F726D6174696F6E00000000042000B0700000034A6F6500000000042000801000003042000A070000009782D507572706F736500000000000042000B07000000D64656D6F6E7374726174696F6E00000042000801000004042000A0700000044E616D65000000042000B010000002842005307000000954656D706C617465310000000000004200520500000040000000100000000

1 Create (symmetric key using template)
 In: objectType='00000002', template={ NameValue='Template1', NameType='00000001' }, attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
 Tag: Name (0x420053), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Template1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: ... [10]

Deleted: 42007801000000B042007701000000484200670100000020420068020000000400000001000000004200690200000004000000000000000000000042000D02000000040000000000000000000000042000F010000017842005A0500000004000000030000000042007C05000000040000000000000004200790100000030420091070000002434666333663437332D346465342D343234382D393930652D32316530306637 ... [11]

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Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage

Mask

Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt, Decrypt)

420078010000001504200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000010842005C0500000004000000010000000042007901000000F04200570500000004000000020000000042009101000000D84200530100000028420055070000000954656D706C617465310000000000000042005405000000040000000100000000420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E6774680000000042000B02000000040000008000000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000C00000000

Out: objectType='00000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C5 (Thu Nov 12 11:47:33 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 61b10614-d8b5-46f9-8d17-2fa6eald747a

42007B010000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C542000D0200000004000000010000000042000F010000006842005C0500000004000000010000000042007F05000000040000000000000042007C01000000404200570500000004000000002000000004200940700000002436316231303631342D643862352D343666392D386431372D32666136656131643734376100000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Object Type (0x420055), Type: ... [12]

Deleted: 420075010000001504200740100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000010842005C0500000004000000010000000042007901000000F04200570500000004000000020000000042009101000000D84200530100000028420055070000000954656D706C617465310000000000000042005405000000040000000100000000420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E6774680000000042000B02000000040000008000000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000C00000000 ... [13]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: ... [14]

Deleted: 42007801000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C542000D0200000004000000010000000042000F010000006842005C0500000004000000010000000042007F05000000040000000000000042007C01000000404200570500000004000000002000000004200940700000002436316231303631342D643862352D343666392D386431372D32666136656131643734376100000000 ... [15]

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2 Get attributes

In: uuidKey, attributeNames={'ObjectGroup', 'ApplicationSpecificInformation', 'ContactInformation', 'x-Purpose'}

Tag: Request Message (0x420078), Type: Structure (0x01), Data:

Tag: Request Header (0x420077), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 61b10614-d8b5-46f9-8d17-2fa6eald747a

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose

42007801000001084200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F01000000C042005C05000000040000000B00000000042007901000000A8420094070000002436316231303631342D643862352D343666392D386431372D3266613665613164373437610000000042000A070000000C4F626A6563742047726F75700000000042000A070000000204170706C69636174696F6E20537065636966696320496E666F726D6174696F6E42000A0700000013436F6E7461637420496E666F726D6174696F6E000000000042000A0700000009782D507572706F736500000000000000

Out: uuidKey, attributes={ ObjectGroup='Group1', ApplicationSpecificInformation='ssl, www.example.com', ContactInformation='Joe Miller', x-Purpose='demonstration' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C6 (Thu Nov 12 11:47:34 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 61b10614-d8b5-46f9-8d17-2fa6eald747a
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Application Namespace (0x420003), Type: Text String (0x07), Data: ssl
Tag: Application Data (0x420002), Type: Text String (0x07), Data: www.example.com
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: demonstration

42007B01000001B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBE7C642000D0200000004000000010000000042000F010000015842005C05000000040000000B0000000042007F050000000400000000000000042007C0100000130420094070000002436316231303631342D643862352D343666392D386431372D32666136656131643734376100000000420008010000002842000A070000000C4F626A6563742047726F7570000000042000B070000000647726F7570310000420008010000005842000A07000000204170706C69636174696F6E20537065636966696320496E666F726D6174696F6E42000B0100000028420003070000000373736C0000000042000207000000E777772E6578616D706C652E636F6D00420008010000003042000A0700000013436F6E7461637420496E666F726D6174696F6E000000000042000B070000000034A6F65000000000042000801

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell19896608
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
Tag: Attribute N... [16]

Deleted: 420075010000010842007401000000384200670100000020420068020000000400000001000000000004200690200000004000000000000042000D0200000004000000010000000042000F01000000C042005A05000000040000000B0000000000042007601000000A8420091070000002433303038383163382D353936612D343861642D3831346662D3763653131393839363630380000000042000A070000000C4F626A6563742047726F7570000000... [17]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Attribute N... [18]

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Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: a6ebbb6f-4c54-4bbb-ad29-be6bad4ecad5

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000001400000004200790100000030420094070000002461366562626236662D346335342D346262622D616432392D62653662616434656361643500000000

Out: uuidTemplate

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C6 (Thu Nov 12 11:47:34 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: a6ebbb6f-4c54-4bbb-ad29-be6bad4ecad5

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C642000D0200000004000000010000000042000F010000005842005C05000000040000000140000000042007F0500000004000000000000000042007C0100000030420094070000002461366562626236662D346335342D346262622D616432392D62653662616434656361643500000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Unique Identifier (0x420091), Type: Text (... [24])

Deleted: 4200750100000090420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D02000000040000000000000042000F010000004842005A05000000040000001400000004200760100000030420091070000002434666333663437332D346465342D343234382D393930652D3231653030663766633030 (... [25])

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type (... [26])

Deleted: 42007801000000B0420077010000004842006701000000204200680200000004000000010000000000042006902000000040000000000000042000F09000000080000000042007C05000000040000000000000042007901000000304200940700000024346663 (... [27])

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3.1.3 Use-case: Create / Locate / Get / Destroy

This use-case tests the Locate and Get operations, in addition to the previously used operations Create and Destroy. A symmetric key is first created, and then a lookup is performed on the Name attribute using the Locate operation. Subsequently, a Get request is issued to retrieve the located key, after which the key on the server is destroyed.

Time	Request/Response messages
0	Create (symmetric key) In: objectType = '00000002', attributes={ Name={ NameValue='Key1', NameType='00000001' }, CryptographicAlgorithm='DES', CryptographicLength='56', CryptographicUsageMask='0000000C', ContactInformation='Joe' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000001 (DES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000038 (56)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt, Decrypt)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe

42007801000001984200770100000038420069010000002042006A020000000400000001000000042006B0200000004000000000000042000D020000000400000001000000042000F010000015042005C0500000004000000010000000004200790100000138420057050000000400000002000000004200910100000120420008010000003842000A07000000044E16D650000000042000B010000002042005507000000044B657931000000042005405000000040000000100000000420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000100000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B0200000004000000380000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000C0000000420008010000003042000A0700000013436F6E7461637420496E666F726D6174696F6E00000000042000B07000000034A6F65000000000

Out: objectType = '00000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBE7C7 (Thu Nov 12 11:47:35 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

Deleted: 420075010000019842007401000000384200670100000020420068020000000400000001000000000420069020000000400000000000000042000D020000000400000001000000042000F010000015042005C0500000004000000010000000004200790100000138420057050000000400000002000000004200910100000120420008010000003842000A07000000044E16D650000000042000B010000002042005507000000044B657931000000042005405000000040000000100000000420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000100000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B0200000004000000380000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000C0000000420008010000003042000A0700000013436F6E7461637420496E666F726D6174696F6E00000000042000B07000000034A6F65000000000

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	<p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <p>42007B010000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBE7C742000D020000004000000010000000042000F010000006842005C0500000004000000010000000042007F0500000004000000000000000042007C01000000404200570500000004000000020000000420094070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</p>
1	<p>Locate (symmetric key)</p> <p>In: attributes={ objectType = '00000002', Name={ Name='Key1', NameType='00000001' } }</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type</p> <p>Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name</p> <p>Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:</p> <p>Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1</p> <p>Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)</p> <p>42007801000000D04200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042009209000000080000000042000F010000008842005C0500000004000000080000000042007F050000000400000000B4F626A65637420547970650000000042000B05000000040000000020000000420094070000002842000A07000000044E616D65000000042000B010000002042005507000000044B6579310000000042005405000000040000000100000000</p> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBE7C8 (Thu Nov 12 11:47:36 CET 2009)</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07321 (Mon Sep 28 10:26:09 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶ ... [30]

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Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) ... [32]

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	<p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <hr/> <p>42007B01000000B042007A0100000048420069010000002042006A02000000400000001000000042006B020000000400000000000042009209000000800000004AFBE7C84200D02000000400000001000000042000F010000005842005C05000000040000008000000042007F05000000400000000000000042007C0100000030420094070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</p>
2	<p>Get (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <hr/> <p>42007801000000904200770100000038420069010000002042006A02000000400000001000000042006B02000000040000000000004200D0200000040000000100000004200F010000004842005C0500000040000000A000000004200790100000030420094070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</p> <p>Out: objectType = '00000002', uuidKey, symmetricKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBE7C8 (Thu Nov 12 11:47:36 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <p>Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:</p> <p>Tag: Key Block (0x420040), Type: Structure (0x01), Data:</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07321 (Mon Sep 28 10:26:09 CEST 2009)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)¶

[... [34]

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[... [35]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

[... [36]

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[... [37]

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	<p>Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001</p> <p>Tag: Key Value (0x420045), Type: Structure (0x01), Data:</p> <p>Tag: Key Material (0x420043), Type: Octet String (0x08), Data: 4564A76DF1A77662</p> <p>Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000001 (DES)</p> <p>Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000038 (56)</p> <p>42007B0100000011842007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C842000D0200000004000000010000000042000F01000000C042005C05000000040000000A0000000042007F050000000400000000000000042007C010000009842005705000000040000000000000420094070000002431656432386561352D326233312D343134352D626366322D333664303735366433383930000000042008F0100000050420040010000004842004205000000040000000100000000420045010000001042004308000000084564A76DF1A776624200280500000004000000010000000042002A02000000040000000380000000</p>
3	<p>Destroy (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000140000000004200790100000030420094070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</p> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C8 (Thu Nov 12 11:47:36 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890</p> <p>42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C842000D0200000004000000010000000042000F010000005842</p>

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Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C8 (Mon Sep 28 10:26:10 CEST 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation ... [38]

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C8 (Thu Nov 12 11:47:36 CET 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)¶
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890 ... [40]

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Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBE7C8 (Thu Nov 12 11:47:36 CET 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)¶
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d3890 ... [42]

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	<pre>005C0500000004000000140000000042007F050000000400000000000000042007C0100000030420094070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</pre>
4	<p>Locate In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: led28ea5-2b31-4145-bcf2-36d0756d389 <pre>420078010000000B84200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000007042005C050000000400000008000000004200790100000058420008010000005042000A0700000011556E69717565204964656E746966669657200000000000000042000B070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000</pre> <p>Out: <empty response payload></p> <p>Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07323 (Mon Sep 28 10:26:11 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: null <pre>42007B0100000008042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBE7C842000D0200000004000000010000000042000F010000002842005C0500000004000000080000000042007F050000000400000000000000042007C0100000000</pre> </p></p>

Deleted: 420078010000000B0420077010000004842006701000000204200680200000004000000010000000042006902000000040000000000000042008F0900000008000000004AC0732242000D02000000040000000100000000042000F010000000058420008010000005042000A0500000004000000140000000042007C0500000004000000000000004200790100000030420091070000002437356461396263392D373836372D343963352D383836642D37353766336435323364336600000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶ ... [43]

Deleted: 420075010000000B84200740100000038420067010000002042006802000000040000000100000000004200690200000004000000000000000042000D0200000004000000000000000042000F010000007042005A050000000400000008000000000004200760100000058420008010000005042000A0700000011556E69717565204964656E74696666965720000000000000042000B070000002431656432386561352D326233312D343134352D626366322D33366430373536643338393000000000 ... [44]

Deleted: 420078010000000804200770100000048420067010000002042006802000000040000000100000000004200690200000004000000000000000042008F0900000008000000004AC0732342000D02000000040000000100000000042000F010000002842005A050000000400000008000000000000000042007C0500000004000000000000004200790100000000

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3.1.4 Use-case: Dual client use-case, ID Placeholder linked Locate & Get batch

This use-case has two clients performing operations on the same key. The first client initially registers a template and creates a symmetric key using that template. The second client then does a batched Locate and Get using the ID Placeholder to retrieve the key. The second client thereafter performs a number of operations on the key (Get Attribute List, Get Attribute, Add Attribute, Modify Attribute and Delete

Attribute), before the first client finally destroys the key and the template. The first client also tries to Get the key and the template after they have been destroyed, but the Get operation fails in both cases.

This use-case demonstrates the fact that it is possible for two clients to cooperate and use the same managed object while only having knowledge of a single pre-agreed Name attribute value and without having to share any other information. Here, the identities of the two clients are not considered and since we do not include an Authentication field in the header, they could also be considered to be the same client. If the clients authenticate themselves to the server using different credentials, the server needs to employ another policy than the Default policy defined in the KMIP specification on the key object to allow both clients to access it.

Time	Request/Response messages
0	<p>Client A: Register (template)</p> <p>In: objectType='00000007', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', Name={ NameValue='Template1', NameType='00000001' },}</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000003 (Register) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000006 (Template) Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: Tag: Name Value (0x420055), Type: Text String (0x07), Data: Template1 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)</p> <p>42007801000001304200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D020000000400000001000000042000F01000000E842005C050000000400000003000000004200790100000004200057050000000400000006000000042009101000000B8420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B02000000040000008000000000420008010000004042000A07000000044E616D65000000042000B0100000028420055070000000954656D706C617465310000000000042005405000000040000000100000000</p> <p>Out: uuidTemplate</p>

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000006 (Template)¶
 Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data: ¶
 Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm¶
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)¶
 Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Deleted: 420075010000013042007401000000384200670100000020420068020000000400000001000000000042000D020000000400000001000000042000F01000000E842005C050000000400000003000000004200760100000004200055050000000400000006000000042009101000000B8420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B02000000040000008000000000420008010000004042000A07000000044E616D65000000042000B0100000028420055070000000954656D706C617465310000000000042005405000000040000000100000000

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Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED21 (Thu Nov 12 12:10:25 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000003 (Register)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 45d8629a-9ad1-41b3-9d09-941f2a595da3

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2142000D0200000004000000010000000042000F010000005842005C0500000004000000030000000042007F05000000040000000000000042007C0100000030420094070000002434356438363239612D396164312D343162332D396430392D39343166326135393564613300000000

1 Client A:
Create (symmetric key using template)
In: objectType='00000002', template={ NameValue= 'Template1', NameType='00000001' }, attributes={ Name={ Name='Key1', NameType='00000001' }, CryptographicUsageMask='00000004', ContactInformation='Foo' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
Tag: Name (0x420053), Type: Structure (0x01), Data:
Tag: Name Value (0x420055), Type: Text String (0x07), Data: Template1
Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x09), Data: 0x000000004AC07323 (Mon Sep 28 10:26:11 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8383198b-4600-4388-955f-2802cc699e9c

Deleted: 42007801000000B0420077010000000204200690200000004000000010000000042006A0200000004000000000000004200920900000008000000004AFBED2142000D0200000004000000010000000042000F010000005842005C0500000004000000030000000042007F05000000040000000000000042007C0100000030420094070000002434356438363239612D396164312D343162332D396430392D39343166326135393564613300000000

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Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 0E9E1875336E415E
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: CFEF21DDDF1CF5E3
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data: null

42007801000001204200770100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000004200100600000008000000000000000142000D0200000004000000020000000042000F01000009842005C05000000040000000800000000042009308000000080E9E1875336E415E420079010000007042000801000000284200A070000000B4F626A656374205479706500000000042000B0500000004000000020000000420008010000003842000A07000000044E616D650000000042000B010000002042005507000000044B657931000000004200540500000004000000010000000042000F010000002842005C05000000040000000A000000004200930800000008CFEF21DDDF1CF5E34200790100000000

Out: uuidKey
 Out: objectType='00000002', uuidKey, symmetricKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED24 (Thu Nov 12 12:10:28 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 0E9E1875336E415E
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: CFEF21DDDF1CF5E3
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Order Option (0x420010), Type: Boolean (0x06), Data: TRUE¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)¶
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 01F76942FF5A7A8A¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type¶
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)¶
 Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶ [51]

Deleted: 42007501000001204200740100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000004200100600000008000000000000000142000D0200000004000000020000000042000F01000009842005C05000000040000000800000000042009308000000080E9E1875336E415E420079010000007042000801000000284200A070000000B4F626A6563742054797065000000042000B0500000004000000020000000420008010000003842000A07000000044E616D650000000042000B010000002042005507000000044B657931000000004200540500000004000000010000000042000F010000002842005C05000000040000000A000000004200930800000008CFEF21DDDF1CF5E34200790100000000

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Tag: Key Block (0x420040), Type: Structure (0x01), Data:
 Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001
 Tag: Key Value (0x420045), Type: Structure (0x01), Data:
 Tag: Key Material (0x420043), Type: Octet String (0x08), Data:
 755D03C639648FB5828D5F1CC9FE9B57
 Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003
 (AES)
 Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)

42007B01000001A042007A0100000048420069010000002042006A020000004000000010000000042006B0200000040
 0000000000000042009209000000800000004AFBED244200D02000000400000002000000042000F010000006842
 005C05000000040000000000000042009308000000080E9E1875336E415E42007F0500000004000000000000000420
 07C010000003042009407000000243061333653833652D356237612D343836352D393634612D38643163336262663961
 65330000000042000F01000000D842005C0500000040000000A00000000420093080000008CFEF21DDDF1CF5E342007
 F050000000400000000000000042007C01000000A04200570500000040000000200000004200940700000024306133
 33653833652D356237612D343836352D393634612D3864316333626266396165330000000042008F01000000584200400
 100000050420042050000004000000010000000042004501000000184200430800000010755D03C639648FB5828D5F1C
 C9FE9B5742002805000000400000003000000042002A020000004000000800000000

Deleted: Tag: Response
 Message (0x420078), Type:
 Structure (0x01), Data: ¶
 Tag: Response Header
 (0x420077), Type: Structure
 (0x01), Data: ¶
 Tag: Protocol Version
 (0x420067), Type: Structure
 (0x01), Data: ¶
 Tag: Protocol Version
 Major (0x420068), Type:
 Integer (0x02), Data:
 0x00000001 (1)¶
 Tag: Protocol Version
 Minor (0x420069), Type:
 Integer (0x02), Data:
 0x00000000 (0)¶
 Tag: Time Stamp
 (0x42008F), Type: Date-Time
 (0x09), Data:
 0x000000004AC07324 (Mon Sep
 28 10:26:12 CEST 2009)¶
 Tag: Batch Count
 (0x42000D), Type: Integer
 (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item
 (0x42000F), Type: Structure
 (0x01), Data: ¶
 Tag: Operation
 (0x42005A), Type:
 Enumeration (0x05), Data:
 0x00000008 (Locate)¶ ... [53]

3 Client B:
 Get attribute list
 In: uuidKey

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-
 8d1c3bbf9ae3

42007801000000904200770100000038420069010000002042006A020000004000000010000000042006B0200000040
 0000000000000042000D020000004000000010000000042000F010000004842005C0500000040000000C0000000042
 0079010000003042009407000000243061333653833652D356237612D343836352D393634612D3864316333626266396
 1653300000000

Deleted: 42007801000001A04200
 7701000000484200670100000020
 420068020000004000000010000
 00004200690200000040000000
 0000000042008F09000000080000
 00004AC0732442000D020000004
 00000002000000042000F010000
 006842005A05000000400000008
 000000042009080000000801F7
 6942FF5A7A8A42007C050000004
 000000000000000420079 ... [54]

Out: uuidKey, attributes={ * }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED24 (Thu Nov 12
 12:10:28 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (-Success)

Deleted: Tag: Request Message
 (0x420075), Type: Structure
 (0x01), Data: ¶
 Tag: Request Header
 (0x420074), Type: Structure
 (0x01), Data: ¶
 Tag: Protocol Version
 (0x420067), Type: Structure
 (0x01), Data: ¶
 Tag: Protocol Version
 Major (0x420068), Type: ... [55]

Deleted: 42007501000000904200
 7401000000384200670100000020
 420068020000004000000010000
 00004200690200000040000000
 0000000042000D0200000040000
 0010000000042000F0100000048
 42005A0500000040000000C0000
 0000420076010000003042009107
 0000002437666261303834392D61
 3363322D346438632D383164642D
 3961313939393437653437 ... [56]

Deleted: 5
 Deleted: 06

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Digest

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Initial Date

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Last Change Date

42007B01000001C842007A0100000048420069010000002042006A02000000400000001000000042006B02000000400000000000004200920900000008000000004AFBED2442000D020000004000000010000000042000F010000017042005C0500000040000000C000000042007F05000000400000000000000042007C0100000148420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000042000A070000001443727970746F67726170686963204C656E677468000000042000A070000001743727970746F6772617068696320416C676F726974686D0042000A0700000005537461746500000042000A0700000006446967657374000042000A070000000C496E697469616C20446174650000000042000A0700000011556E69717565204964656E7469666965720000000000000042000A0700000044E616D650000000042000A070000001843727970746F67726170686963205573616765204D61736B42000A07000000B4F626A656374205479706500000000042000A0700000013436F6E7461637420496E666F726D6174696F6E0000000042000A07000000104C617374204368616E67652044617465

4 Client B:
Get attributes
In: uuidKey, attributeNames={'Name', 'ContactInformation'}

Tag: Request Message (0x420078), Type: Structure (0x01), Data:

Tag: Request Header (0x420077), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information

42007801000000C04200770100000038420069010000002042006A02000000400000001000000042006B020000004000000000000042000D02000000400000001000000042000F010000007842005C0500000040000000B0000000042007901000000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000042000A0700000044E616D650000000042000A0700000013436F6E7461637420496E666F726D6174696F6E0000000000

Out: uuidKey, attributes={ Name={ Name='Key1', NameType='00000001' }, ContactInformation='Foo' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07325 (Mon Sep 28 10:26:13 CEST 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attrib... [57])

Deleted: 42007801000001D04200770100000000484200670100000020420068020000004000000010000000000400000004000000000000042000F09000000080000000042000D0200000040000000400000010000000042000F010000017842005A0500000040000000C000000042007C050000000400000000000042007901000001504200910700000024376662... [58]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: ¶

Deleted: 42007501000000C04200740100000000384200670100000020420068020000004000000010000000000400000004000000000000042000D0200000040000000001000000042000F010000007842005A0500000040000000B000000004200760100000060420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437... [60]

Deleted: 5
Deleted: 06

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED24 (Thu Nov 12 12:10:28 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:

Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1

Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Foo

42007B010000012842007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2442000D0200000004000000010000000042000F01000000D042005C05000000040000000B0000000042007F050000000400000000000000042007C01000000A8420094070000002430613333653833652D356237612D343836352D393634612D3864316333626266396165330000000420008010000003842000A07000000044E616D650000000042000B010000002042005507000000044B657931000000004200540500000004000000100000000420008010000003042000A07000000013436F6E7461637420496E666F726D6174696F6E00000000042000B0700000003466F6F0000000000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07325 (Mon Sep 28 10:26:13 CEST 2009)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)¶

Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶

Tag: Response Payload (0x420079), Type: Structure (0x01), Data: ¶

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d¶

Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: N... [61]

5 Client B:
Add attribute [batch]
In: uuidKey, attribute={ x-attribute1='Value1'}
In: uuidKey, attribute={ x-attribute2='Value2' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:

Tag: Request Header (0x420077), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)

Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 7A92DDA525EB158A

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Deleted: 420078010000012842007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2442000D0200000004000000010000000042000F01000000D042005C05000000040000000B0000000042007F050000000400000000000000042007C01000000A8420094070000002430613333653833652D356237612D343836352D393634612D3864316333626266396165330000000420008010000003842000A07000000044E616D650000000042000B010000002042005507000000044B657931000000004200540500000004000000100000000420008010000003042000A07000000013436F6E7461637420496E666F726D6174696F6E00000000042000B0700000003466F6F0000000000

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Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 7230F6E4D3BEA249
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

42007801000001604200770100000038420069010000002042006A020000004000000010000000042006B020000004000000000000042000D02000000400000002000000042000F01000008842005C0500000040000000D0000000042009308000000087A92DDA525EB158A4200790100000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000420008010000002842000A070000000C782D617474726962757465310000000042000B070000000656616C756531000042000F01000008842005C0500000040000000D0000000042009308000000087230F6E4D3BEA2494200790100000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000420008010000002842000A070000000C782D617474726962757465320000000042000B070000000656616C7565320000

Out: uuidKey, attribute={ x-attribute1='Value1'}
 Out: uuidKey, attribute={ x-attribute2='Value2' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBED25 (Thu Nov 12 12:10:29 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 7A92DDA525EB158A
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 7230F6E4D3BEA249
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

42007B010000019042007A0100000048420069010000002042006A020000004000000010000000042006B020000004000000000000042000D02000000400000002000000042000F01000008842005C0500000040000000D0000000042009308000000087A92DDA525EB158A4200790100000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000420008010000002842000A070000000C782D617474726962757465320000000042000B070000000656616C7565320000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)¶
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 290C75CAE59F3908¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d¶
 Tag: Attribute ... [63]

Deleted: 42007501000001604200740100000038420069010000002042006A020000004000000010000000042006B020000004000000000000042000D02000000400000002000000042000F01000008842005C0500000040000000D0000000042009308000000087A92DDA525EB158A4200790100000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336266396165330000000420008010000002842000A070000000C782D617474726962757465320000000042000B070000000656616C7565320000 ... [64]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)¶
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 290C75CAE59F3908¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d¶
 Tag: Attribute ... [65]

Deleted: 5
 Deleted: 06

	<pre>07C0100000060420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961 65330000000420008010000002842000A070000000C782D61747472696275746531000000042000B070000000656616 C756531000042000F010000009842005C05000000040000000D000000004200930800000087230F6E4D3BEA24942007F 050000000400000000000000042007C0100000060420094070000002430613333653833652D356237612D343836352D3 93634612D3864316333626266396165330000000420008010000002842000A070000000C782D61747472696275746532 000000042000B070000000656616C756532000Q</pre>
6	<p>Client B: Modify attribute [batch] In: uuidKey, attribute={ x-attribute1='ModifiedValue1' } In: uuidKey, attribute={ x-attribute2='ModifiedValue2' }</p> <p><u>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</u> <u>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</u> <u>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</u> <u>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)</u> <u>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</u> <u>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)</u> <u>Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: BA3EA60548ECB699</u> <u>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</u> <u>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3</u> <u>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1</u> <u>Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1</u> <u>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</u> <u>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)</u> <u>Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 321984E716274A3D</u> <u>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</u> <u>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3</u> <u>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2</u> <u>Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2</u></p> <pre>42007801000001704200770100000038420069010000002042006A020000000400000001000000042006B02000000040 0000000000000042000D0200000004000000020000000042000F010000009042005C05000000040000000E0000000042 00930800000008BA3EA60548ECB6994200790100000068420094070000002430613333653833652D356237612D3438363 52D393634612D3864316333626266396165330000000420008010000003042000A070000000C782D6174747269627574 653100000000042000B070000000E4D6F64696669656456616C756531000042000F010000009042005C050000000400000 00E00000000420093080000008321984E716274A3D4200790100000068420094070000002430613333653833652D3562 37612D343836352D393634612D3864316333626266396165330000000420008010000003042000A070000000C782D617 47472696275746532000000042000B070000000E4D6F64696669656456616C756532000Q</pre> <p>Out: uuidKey, attribute={ x-attribute1='ModifiedValue1' } Out: uuidKey, attribute={ x-attribute2='ModifiedValue2' }</p> <p><u>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</u> <u>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</u></p>

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Deleted: 42007801000001904200
7701000000484200670100000020
4200680200000004000000010000
0000420069020000000400000000
000000042000F09000000080000
00004AC073264200D020000004
00000020000000042000F010000
009842005A05000000040000000D
0000000420090800000008290C
75CAE59F390842007C0500000004
000000000000000420079010000
0060420091070000002437666261
303834392D613363322D34643863
2D383164642D3961313939393437
6534376400000000420008010000
002842000A070000000C782D6174
747269627574653100000004200
0B070000000656616C7565310000
42000F010000009842005A050000
004000000000000000004200908
0000008BF48C307C95C22E4200
7C05000000040000000000000000
4200790100000060420091070000
002437666261303834392D613363
322D346438632D383164642D3961
3139393934376534376400000000
420008010000002842000A070000
000C782D61747472696275746532
000000042000B07000000065661
6C7565320000
```

```
Deleted: Tag: Request Message
(0x420075), Type: Structure
(0x01), Data: ¶
Tag: Request Header
(0x420074), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
Major (0x420068), Type:
Integer (0x02), Data:
0x00000001 (1)¶
Tag: Protocol Version
Minor (0x420069), Type:
Integer (0x02), Data:
0x00000000 (0)¶
Tag: Batch Count
(0x42000D), Type: Integer
(0x02), Data: 0x00000002 (2)¶
Tag: Batch Item
(0x42000F), Type: Structure
(0x01), Data: ¶ [66]
```

```
Deleted: 42007501000001704200
7401000000384200670100000020
4200680200000004000000010000
0000420069020000000400000000
000000042000D02000000040000
0020000000042000F0100000090
42005A05000000040000000E0000
000042009080000000842C6D3ED
5BFE4F3442007601000000684200
9107000000243766626130383439
2D613363322D346438632D383164
642D396131393939343765343764
000000042000801000000 [67]
```

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Deleted: 5
Deleted: 06
```

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED26 (Thu Nov 12 12:10:30 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: BA3EA60548ECB699
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 321984E716274A3D
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

42007B01000001A042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2642000D0200000004000000020000000042000F01000000A042005C05000000040000000E000000004200930800000008BA3EA60548ECB69942007F05000000040000000000000000042007C0100000068420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961653300000000420008010000003042000A07000000C782D617474726962757465310000000042000B070000000E4D6F64696669656456616C756531000042000F01000000A042005C05000000040000000E000000004200930800000008321984E716274A3D42007F05000000040000000000000042007C0100000068420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961653300000000420008010000003042000A07000000C782D617474726962757465320000000042000B070000000E4D6F64696669656456616C7565320000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07326 (Mon Sep 28 10:26:14 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)¶
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 42C6D3ED5BFE4F34¶
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d¶
 Tag: Attribute ... [68]

7 Client B:
 Delete attribute [batch]
 In: uuidKey, attributeNames={'x-attribute1'}
 In: uuidKey, attributeNames={'x-attribute2'}

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: D5C6DF842DAECC8
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3

Deleted: 42007801000001A042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2642000D0200000004000000020000000042000F01000000A042005C05000000040000000E000000004200930800000008BA3EA60548ECB69942007F05000000040000000000000000042007C0100000068420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961653300000000420008010000003042000A07000000C782D61747472696275746531000042000F01000000A042005C05000000040000000E000000004200930800000008321984E716274A3D42007F05000000040000000000000042007C0100000068420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961653300000000420008010000003042000A07000000C782D617474726962757465320000000042000B070000000E4D6F64696669656456616C7565320000 ... [69]

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	<pre>653300000000420008010000003042000A07000000C782D617474726962757465310000000042000B07000000E4D6F6 4696669656456616C756531000042000F01000000A042005C05000000040000000F00000000420093080000008572D4F 0D433DAB1042007F05000000040000000000000042007C0100000068420094070000002430613333653833652D35623 7612D343836352D393634612D3864316333626266396165330000000420008010000003042000A07000000C782D6174 7472696275746532000000042000B07000000E4D6F64696669656456616C7565320000</pre>
8	<p>Client A: Destroy (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3</p> <pre>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040 000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000140000000042 007901000000030420094070000002430613333653833652D356237612D343836352D393634612D3864316333626266396 1653300000000</pre> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED27 (Thu Nov 12 12:10:31 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3</p> <pre>42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040 000000000000004200920900000008000000004AFBED2742000D0200000004000000010000000042000F010000005842 005C05000000040000000140000000042007F050000000400000000000000042007C01000000304200940700000024306 13333653833652D356237612D343836352D393634612D38643163336262663961653300000000</pre>
9	<p>Client A: Get (symmetric key) In: uuidKey</p>

Deleted: 42007801000001A04200
7701000000484200670100000020
420068020000004000000010000
000042006902000000400000000
0000000042008F09000000080000
00004AC0732742000D020000004
00000002000000042000F010000
00A042005A0500000004000000F
000000004200900800000008FB10
B7D6A5F8F02F42007C0500000004
000000000000000420079010000
0068420091070000002437666261
303834392D613363322D34643863
2D383164642D3961313939393437
653437640000000420008010000
003042000A07000000C782D6174
747269627574653100000004200
0B07000000E4D6F646966696564
56616C756531000042000F010000
00A042005A0500000004000000F
0000000042009008000000083B5C
2DE22A01A8742007C050000004
000000000000000420079010000
0068420091070000002437666261
303834392D613363322D34643863
2D383164642D3961313939393437
653437640000000420008010000
003042000A07000000C782D6174
7472696275746532000000

Deleted: Tag: Request Message
(0x420075), Type: Structure
(0x01), Data: ¶
Tag: Request Header
(0x420074), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶

Deleted: 42007501000000904200
7401000000384200670100000020
420068020000004000000010000
000042006902000000400000000
0000000042000D02000000040000
0010000000042000F0100000048
42005A0500000004000000140000
0000420076010000003042009107
0000002437666261303834

Deleted: Tag: Response
Message (0x420078), Type:
Structure (0x01), Data: ¶
Tag: Response Header
(0x420077), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶

Deleted: 42007801000000B04200
7701000000484200670100000020
420068020000004000000010000
000042006902000000400000000
0000000042008F09000000080000
00004AC0732742000D020000004
000000010000000042000F010000
005842005A050000000400000014
0000000042007C05000000

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	<p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 0a33e83e-5b7a-4865-964a-8d1c3bbf9ae3</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002430613333653833652D356237612D343836352D393634612D38643163336262663961653300000000</p> <p>Out: Operation Failed, Item Not Found</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED27 (Thu Nov 12 12:10:31 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000001 (Failed) Tag: Result Reason (0x42007E), Type: Enumeration (0x05), Data: 0x00000001 (Item Not Found) Tag: Result Message (0x42007D), Type: Text String (0x07), Data: No Cryptographic Object found with given Unique Identifier</p> <p>42007B01000000D042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000000420092090000008000000004AFBED2742000D0200000004000000010000000042000F010000007842005C05000000040000000A0000000042007F0500000004000000010000000042007E0500000004000000010000000042007D070000003A4E6F2043727970746F67726170686963204F626A65637420666F756E64207769746820676976656E20556E69717565204964665E746966696572000000000000</p>
10	<p>Client A: Destroy (template) In: uuidTemplate</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p>

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420091), Type: Text (... [78])

Deleted: 42007501000000904200740100000038420067010000002042006802000000040000000100000000000042000D0200000004000000010000000042000F010000004842005A05000000040000000A000000004200760100000030420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437 (... [79])

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Deleted: 42007801000000D04200770100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000000420092090000008000000004AFBED2742000D0200000004000000010000000042000F010000007842005C05000000040000000A0000000042007F0500000004000000010000000042007E0500000004000000010000000042007D070000003A4E6F2043727970746F67726170686963204F626A65637420666F756E64207769746820676976656E20556E69717565204964665E746966696572000000000000 (... [81])

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Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 45d8629a-9ad1-41b3-9d09-941f2a595da3

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C0500000004000000014000000004200790100000030420094070000002434356438363239612D396164312D343162332D396430392D39343166326135393564613300000000

Out: uuidTemplate

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED27 (Thu Nov 12 12:10:31 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 45d8629a-9ad1-41b3-9d09-941f2a595da3

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2742000D0200000004000000010000000042000F010000005842005C0500000004000000140000000042007F0500000004000000000000000042007C0100000030420094070000002434356438363239612D396164312D343162332D396430392D39343166326135393564613300000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)¶
 Tag: Request Payload (0x420076), Type: Stru... [82]

Deleted: 4200750100000090420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D02000000040000000000000042000F010000004842005A0500000004000000140000004200760100000030420091070000002438333833313938... [83]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ ... [84]

Deleted: 42007801000000B04200770100000048420067010000002042006802000000040000000100000000000042006902000000040000000000000042008F0900000008000000004AC0732742000D020000000400000010000000042000F010000005842005A050000000400000014000000042007C05000000... [85]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ ... [86]

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11 Client A:
 Get (template)
 In: uuidTemplate

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 45d8629a-9ad1-41b3-9d09-941f2a595da3

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002434356438363239612D396164312D343162332D396430392D39343166326135393564613300000000

4613300000000

Out: Operation Failed, Item Not Found

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED27 (Thu Nov 12 12:10:31 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000001 (Failed)
 Tag: Result Reason (0x42007E), Type: Enumeration (0x05), Data: 0x00000001 (Item Not Found)
 Tag: Result Message (0x42007D), Type: Text String (0x07), Data: No Cryptographic Object found with given Unique Identifier

42007B01000000D042007A0100000048420069010000002042006A02000000400000001000000042006B02000000400000000000004200920900000008000000004AFBED2742000D020000004000000010000000042000F010000007842005C0500000040000000A0000000042007F05000000400000001000000042007E050000004000000010000000042007D070000003A4E6F2043727970746F67726170686963204F626A65637420666F756E64207769746820676976656E20556E69717565204964656E746966696572000000000000

Deleted: 42007501000000904200740100000038420067010000002042006802000000040000000100000004200690200000004000000000000042000D0200000004000000000042000F010000004842005A05000000040000000A0000000420076010000003042009107000002438333833313938622D343630302D343338382D393535662D32383032636336393965396300000000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: [87]
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: [87]
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: [87]
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) [87]
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) [87]
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07327 (Mon Sep 28 10:26:15 CEST 2009) [87]
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) [87]
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: [87]
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get) [87]
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000001 (Failed) [87]
 Tag: Result Reason (0x42007B), Type: Enumeration (0x05), Data: 0x00000001 (Item Not Found) [87]
 Tag: Result Message (... [87]

Deleted: 42007801000000D04200770100000048420067010000002042006802000000040000000100000000000420069020000000400000000000000042000D020000000400000000000000042000F010000004842005A05000000040000000A0000000420076010000003042009107000002438333833313938622D343630302D343338382D393535662D32383032636336393965396300000000 (... [88]

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3.2 Use-case: Asynchronous Locate

This use-case tests the asynchronous capabilities of KMIP using the Locate operation. A key is created and then a Locate request is sent containing the Name of the created key and with the message header Asynchronous Indicator-field set to True. If the server returns an asynchronous response to the Locate, the client then polls the server until the operation is ready. If the server responded asynchronously, a subsequent Locate operation that is also handled asynchronously is then Cancelled, before the key is finally destroyed.

This use-case shows the use of two clients with the same assumptions as in the use-case described in Section 3.1.4. Since the client is unable to force the server to respond asynchronously, it is possible for a server to respond synchronously to the requests issued at times 1 and 4, in which case the expected responses are the ones shown at times 2 and 5, respectively. In the case of the server not responding asynchronously to the Locate requests, the client is permitted to skip the requests illustrated at time 7 and 8.

Time	Client A
0	Client A: Create (symmetric key) In: objectType = '00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', Name={ NameValue='Key1', NameType='00000001' }, CryptographicUsageMask='00000004', ObjectGroup='Group1' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1

42007801000001904200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F010000014842005C050000000400000001000000004200790100000130420057050000000400000002000000004200910100000118420008010000003042000A0700000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A0700000001443727970746F67726170686963204C656E677468000000042000B02000000040000008000000000420008010000003842000A07000000044E616D65000000042000B010000002042005507000000044B6579310000000042005405000000040000000100000000420008010000003042000A0700000001843727970746F677261706869632055736167765204D61736B42000B02000000040000000400000000420008010000002842000A070000000C4F626A6563742047726F757000000042000B070000000647726F7570310000

Out: objectType = '0000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED28 (Thu Nov 12 12:10:32 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1

Deleted: 42007501000001904200740100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F010000014842005C050000000400000001000000004200790100000130420057050000000400000002000000004200910100000118420008010000003042000A0700000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A0700000001443727970746F67726170686963204C656E677468000000042000B02000000040000008000000000420008010000003842000A07000000044E616D65000000042000B010000002042005507000000044B6579310000000042005405000000040000000100000000420008010000003042000A0700000001843727970746F677261706869632055736167765204D61736B42000B02000000040000000400000000420008010000002842000A070000000C4F626A6563742047726F757000000042000B070000000647726F7570310000

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	<p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca</p> <p>42007B01000000C042007A0100000048420069010000002042006A020000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2842000D020000004000000010000000042000F010000006842005C0500000004000000010000000042007F0500000004000000000000000042007C010000004042005705000000040000200000000420094070000002439356130653662332D386564632D346666622D613838652D65313634353339646263636100000000</p>
1	<p>Client B:</p> <p>Locate (symmetric key by name)</p> <p>In: asynchronousIndicator="TRUE", attributes={ objectType = '00000002', Name={ Name='Key1', NameType='00000001' } }</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Asynchronous Indicator (0x420007), Type: Boolean (0x06), Data: TRUE</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type</p> <p>Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name</p> <p>Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:</p> <p>Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1</p> <p>Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)</p> <p>42007801000000E04200770100000048420069010000002042006A020000004000000010000000042006B020000000400000000000004200070600000080000000000000142000D020000004000000010000000042000F010000008842005C050000000400000008000000004200790100000070420008010000002842000A070000000B4F626A656374205479706500000000042000B0500000004000000020000000420008010000003842000A07000000044E616D65000000042000B010000002042005507000000044B657931000000042005405000000040000000100000000</p> <p>Out: asyncCorrValue1</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781B (Mon Sep 28 10:47:23 CEST 2009)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶ [91]

Deleted: 42007801000000C04200770100000048420069010000002042006A020000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2842000D020000004000000010000000042000F010000006842005C0500000004000000010000000042007F05000000040000000000000042007C010000004042005705000000040000200000000420094070000002439356130653662332D386564632D346666622D613838652D65313634353339646263636100000000 [92]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) [93]

Deleted: 42007501000000E04200740100000048420067010000002042006802000000400000001000000000004200070600000080000000000000142000D020000004000000010000000042000F010000008842005C050000000400000008000000004200790100000070420008010000002842000A070000000B4F626A656374205479706500000000042000B0500000004000000020000000420008010000003842000A07000000044E616D65000000042000B010000002042005507000000044B657931000000042005405000000040000000100000000 [94]

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Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED28 (Thu Nov 12 12:10:32 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000002 (Pending)
 Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 130BC369AF005A7F

42007B010000008842007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2842000D0200000004000000010000000042000F010000003042005C0500000004000000080000000042007F05000000040000000200000000420060800000008130BC369AF005A7F

2 Client B:
 Poll*
 In: asyncCorrValue1

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000001A (Poll)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 130BC369AF005A7F

42007801000000704200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000002842005C05000000040000001A0000000042007901000000104200060800000008130BC369AF005A7F

Out: uuidKey1

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED28 (Thu Nov 12 12:10:32 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: [Structure (0x01), Data: [Response Header (0x420077), Type: Structure (0x01), Data: [Protocol Version (0x420069), Type: Structure (0x01), Data: [Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) [Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) [Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED28 (Mon Sep 28 10:47:24 CEST 2009) [Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) [Batch Item (0x42000F), Type: Structure (0x01), Data: [Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000001A (Poll)]]]]]]]]

Deleted: 42007801000000884200770100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2842000D0200000004000000010000000042000F010000003042005C0500000004000000080000000042007F05000000040000000200000000420060800000008130BC369AF005A7F

Deleted: Tag: Request Message (0x420078), Type: Structure (0x01), Data: [Request Header (0x420077), Type: Structure (0x01), Data: [Protocol Version (0x420069), Type: Structure (0x01), Data: [Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) [Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) [Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) [Batch Item (0x42000F), Type: Structure (0x01), Data: [Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000001A (Poll)]]]]]]

Deleted: 42007801000000704200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000002842005C05000000040000001A0000000042007901000000104200060800000008130BC369AF005A7F

Deleted: Tag: Response Message (0x42007B), Type: Structure (0x01), Data: [Response Header (0x42007A), Type: Structure (0x01), Data: [Protocol Version (0x420069), Type: Structure (0x01), Data: [Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) [Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) [Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED28 (Thu Nov 12 12:10:32 CET 2009) [Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) [Batch Item (0x42000F), Type: Structure (0x01), Data: [Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate) [Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) [Response Payload (0x42007C), Type: Structure (0x01), Data: [Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca]]]]]]]]

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	<pre>0000000000000042009209000000800000004AFBED284200D02000000400000001000000042000F010000005842 005C05000000400000008000000042007F0500000040000000000000042007C01000000304200940700000024393 5613065366232D386564632D346666622D613838652D65313634353339646263636100000000</pre>
3	<p>Client B: Get (symmetric key) In: uuidKey1</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca</p> <pre>42007801000000904200770100000038420069010000002042006A02000000400000001000000042006B02000000040 000000000000042000D02000000400000001000000042000F010000004842005C0500000040000000A0000000042 0079010000003042009407000000243935613065366232D386564632D346666622D613838652D6531363435333964626 3636100000000</pre> <p>Out: objectType = '00000002', uuidKey1, symmetricKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED29 (Thu Nov 12 12:10:33 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data: Tag: Key Block (0x420040), Type: Structure (0x01), Data: Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001 Tag: Key Value (0x420045), Type: Structure (0x01), Data: Tag: Key Material (0x420043), Type: Octet String (0x08), Data: BEF01F82DFB4682A01C2A08413834AAB Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES) Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)</p>

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Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
Tag: Request Payload (0x420076), Type: Stru... [99]

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Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca

Deleted: 42007501000000904200770100000038420069010000002042006A02000000400000001000000042006B0200000004000000000000042000D02000000400000001000000042000F010000004842005C0500000040000000A00000000420079010000003042009407000000243935613065366232D386564632D346666622D613838652D65313634353339646263636100000000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca

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	<p>0000000000000000420092090000008000000004AFBED294200D0200000040000000100000004200F010000003042005C0500000040000008000000042007F0500000040000000200000004200608000000848D43C207CD1FB3A</p>
5	<p>Client B: Poll* In: asyncCorrValue2</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000001A (Poll) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 48D43C207CD1FB3A</p> <p>42007801000000704200770100000038420069010000002042006A02000000400000001000000042006B020000004000000000000042000D02000000400000001000000042000F010000002842005C0500000040000001A0000000042007901000000104200608000000848D43C207CD1FB3A</p> <p>Out: uuidKey2</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED29 (Thu Nov 12 12:10:33 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca</p> <p>42007B01000000B042007A0100000048420069010000002042006A02000000400000001000000042006B0200000040000000000000420092090000008000000004AFBED294200D02000000400000001000000042000F010000005842005C0500000040000008000000042007F050000004000000000000042007C0100000030420094070000002439356130653662332D386564632D346666622D613838652D6531363435333964626363610000000</p>
6	<p>Client B: Get (symmetric key) In: uuidKey2</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p>

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Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000001A (Poll)¶

[105]

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Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

[106]

Deleted: 42007801000000B04200770100000048420069010000002042006A02000000400000001000000042006B0200000040000000000000420092090000008000000004AFBED294200D02000000400000001000000042000F010000005842005A0500000040000008000000042007C0100000030420094070000002439356130653662332D386564632D346666622D613838652D6531363435333964626363610000000

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	<p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca</p> <hr/> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002439356130653662332D386564632D346666622D613838652D65313634353339646263636100000000</p> <hr/> <p>Out: objectType = '00000002', uuidKey2, symmetricKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED29 (Thu Nov 12 12:10:33 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-e164539dbcca</p> <p>Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:</p> <p>Tag: Key Block (0x420040), Type: Structure (0x01), Data:</p> <p>Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001</p> <p>Tag: Key Value (0x420045), Type: Structure (0x01), Data:</p> <p>Tag: Key Material (0x420043), Type: Octet String (0x08), Data: BEF01F82DFB4682A01C2A08413834AAB</p> <p>Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES)</p> <p>Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)</p> <hr/> <p>42007B010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED294200D0200000004000000010000000042000F01000000C842005C05000000040000000A0000000042007F05000000040000000000000042007C01000000A042005705000000040000000000000420094070000002439356130653662332D386564632D346666622D613838652D6531363435333964626363610000000042008F010000005842004001000000504200420500000004000000010000000042004501000000184200430800000010BEF01F82DFB4682A01C2A08413834AAB4200280500000004000000030000000042002A02000000040000008000000000</p>
7	<p>Client B:</p> <p>Locate (symmetric key by name)</p> <p>In: asynchronousIndicator='TRUE', attributes={ objectType = '00000002', Name= { Name='Key1' }</p>

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Unique Identifier (0x420091), Type: Text (... [108])

Deleted: 4200750100000090420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D020000000400000000000000000000042000F010000004842005C05000000040000000A000000004200760100000030420091070000002438623936313231312D393763372D343061362D383636342D656433333439316461623 (... [109])

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Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Deleted: 420078010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED294200D0200000004000000010000000042000F01000000C842005C05000000040000000A0000000042007F05000000040000000000000042007C01000000A042005705000000040000000000000420094070000002439356130653662332D386564632D346666622D613838652D6531363435333964626363610000000042008F010000005842004001000000504200420500000004000000010000000042004501000000184200430800000010BEF01F82DFB4682A01C2A08413834AAB4200280500000004000000030000000042002A02000000040000008000000000 (... [111])

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	<p>In: asyncCorrValue5</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000019 (Cancel) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 4D6BBFC35FE57FBA</p> <hr/> <p>42007801000000704200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000002842005C05000000040000001900000000420079010000001042000608000000084D6BBFC35FE57FBA</p> <p>Out: asyncCorrValue5, CancelResult='00000001'</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED29 (Thu Nov 12 12:10:33 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000019 (Cancel) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 4D6BBFC35FE57FBA Tag: Cancellation Result (0x420012), Type: Enumeration (0x05), Data: 0x00000001 (Cancelled)</p> <hr/> <p>42007B01000000A042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2942000D0200000004000000010000000042000F010000004842005C0500000004000000190000000042007F0500000004000000000000000042007C010000002042000608000000084D6BBFC35FE57FBA42001205000000040000000100000000</p>
9	<p>Client A: Destroy (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p>

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000019 (Cancel)¶
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: ... [115]

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Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: ... [116]

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Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-
e164539dbcca
-----
42007801000000904200770100000038420069010000002042006A020000004000000010000000042006B02000000040
0000000000000042000D02000000400000001000000042000F010000004842005C050000004000000140000000042
00790100000030420094070000002439356130653662332D386564632D346666622D613838652D6531363435333964626
3636100000000
-----
Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2A (Thu Nov 12
12:10:34 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 95a0e6b3-8edc-4ffb-a88e-
e164539dbcca
-----
42007B01000000B042007A0100000048420069010000002042006A020000004000000010000000042006B02000000040
000000000000004200920900000008000000004AFBED2A42000D020000004000000010000000042000F010000005842
005C0500000004000000140000000042007F05000000400000000000000042007C01000000304200940700000024393
56130653662332D386564632D346666622D613838652D65313634353339646263636100000000
-----

```

* = executed until response is ready

4 Key life cycle support

4.1 Use-case: Revoke scenario

This use-case tests the revocation aspect of the key life cycle support in KMIP. A key is created and a Get Attribute for the State-attribute reveals that the key is in Pre-active state. The Activation Date is then set, which changes the state to Active. The key is then revoked with a revocation reason of Compromised and the state subsequently changed to Compromised, but this does not stop a client from being able to add, modify and delete attributes or even get the key (since we assume here that the out-of-band registration has been used to make the server aware of the fact that the client is capable of interpreting the attributes of the key and determining what it is allowed to do with the key). To clean up, the created key is finally destroyed.

Time	Client A
------	----------

kmip-usecases-1.0-cd-06

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```

Deleted: Tag: Request Message
(0x420075), Type: Structure
(0x01), Data: ¶
Tag: Request Header
(0x420074), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
Major (0x420068), Type:
Integer (0x02), Data:
0x00000001 (1)¶
Tag: Protocol Version
Minor (0x420069), Type:
Integer (0x02), Data:
0x00000000 (0)¶
Tag: Batch Count
(0x42000D), Type: Integer
(0x02), Data: 0x00000001 (1)¶
Tag: Batch Item
(0x42000F), Type: Structure
(0x01), Data: ¶
Tag: Operation
(0x42005A), Type:
Enumeration (0x05), Data:
0x00000014 (Destroy)¶
Tag: Request Payload
(0x420076), Type: Structure
(0x01), Data: ¶
Tag: Unique Identifier
(0x420091), Type: Tex[... [118]

```

```

Deleted: 42007501000000904200
7401000000384200670100000020
420068020000004000000010000
000042006902000000400000000
0000000042000D0200000040000
001000000042000F0100000048
42005A050000004000000140000
0000420076010000003042009107
0000002438623936313231312D39
3763372D343061362D383636342D
656433333439316461623[... [119]

```

```

Deleted: Tag: Response
Message (0x420078), Type:
Structure (0x01), Data: ¶
Tag: Response Header
(0x420077), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
Major (0x420068), Typ[... [120]

```

```

Deleted: 42007801000000B04200
7701000000484200670100000020
420068020000004000000010000
000042006902000000400000000
0000000042000F09000000080000
00004AC0781F42000D020000004
000000010000000042000F010000
005842005A05000000400000014
0000000042007C050000000040000
0000000000004200790100000030
420091070000002438623[... [121]

```

```

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```

0 Client A:
 Create (symmetric key)
 In: objectType = '0000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', Name={ NameValue='Key1', NameType='0000001' }, CryptographicUsageMask='0000004' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)

42007801000001604200770100000038420069010000002042006A020000000400000001000000042006B0200000004000000000000042000D020000000400000001000000042000F010000011842005C050000000400000001000000004200790100000100420057050000000400000002000000042009101000000E8420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B0500000004000000030000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B02000000040000000800000000420005000000040000000100000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000400000000

Out: objectType = '0000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBED2B (Thu Nov 12 12:10:35 CET 2009)

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)¶
 Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data: ¶
 Tag: Attribute (0x420008), Type: Structure (0x01), Data: ¶
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm¶
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)¶
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)¶

Deleted: 42007501000001604200770100000038420069010000002042006A020000000400000001000000042006B0200000004000000000000042000D020000000400000001000000042000F010000011842005C050000000400000001000000004200790100000100420057050000000400000002000000042009101000000E8420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B0500000004000000030000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B02000000040000000800000000420005000000040000000100000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000400000000

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	<p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>-----</p> <p>42007B010000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2B42000D0200000004000000010000000042000F010000006842005C0500000004000000010000000042007F05000000040000000000000042007C010000004042005705000000040000200000000420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p>
1	<p>Client A:</p> <p>Get attribute</p> <p>In: uuidKey, attributeName={'State'}</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State</p> <p>-----</p> <p>42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000005842005C050000000400000000B000000004200790100000040420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042000A07000000055374617465000000</p> <p>Out: uuidKey, attribute={ State='00000001' }</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2B (Thu Nov 12 12:10:35 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781F (Mon Sep 28 10:47:27 CEST 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶ [... [124]]

Deleted: 42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000005842005C050000000400000000B000000004200790100000040420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042000A07000000055374617465000000 [... [125]]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶ [... [126]]

Deleted: 42007501000000A0420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D0200000004000000010000000042000F010000005842005A050000000400000000B00000000420076010000004042009107000000243333364633962392D386537332D346666362D613337622D343233363966356134323 [... [127]]

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	<p>2a161633ada9</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State</p> <p>Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000001 (Pre-Active)</p> <p>42007B01000000D842007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2B42000D0200000004000000010000000042000F010000008042005C05000000040000000B0000000042007F05000000040000000000000042007C0100000058420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000420080100000002042000A0700000005537461746500000042000B05000000040000000100000000</p>
2	<p>Client A:</p> <p>Add attribute</p> <p>In: uuidKey, attribute={ ActivationDate='2' }</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date</p> <p>Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)</p> <p>42007801000000C04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000007842005C05000000040000000D000000004200790100000060420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008010000002842000A070000000F41637469766174696F6E20446174650042000B090000000800000000000002</p> <p>Out: uuidKey, attribute={ ActivationDate='2' }</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2B (Thu Nov 12 12:10:35 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07820 (Mon Sep 28 10:47:28 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attri[... [128]

Deleted: 42007801000000D84200770100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2B42000D0200000004000000010000000042000F010000008042005C05000000040000000B0000000042007F05000000040000000000000042007C0100000058420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000420080100000002042000A0700000005537461746500000042000B05000000040000000100000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Typ[... [130]

Deleted: 42007501000000C04200740100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000007542005C05000000040000000D000000004200740100000060420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008010000002842000A070000000F41637469766174696F6E20446174650042000B090000000800000000000002

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Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Active)

42007B01000000D842007A0100000048420069010000002042006A02000000400000001000000042006B020000004000000000000042009209000000800000004AFBEB2B42000D0200000040000000100000004200F01000008042005C05000000040000000B0000000042007F05000000400000000000000042007C0100000058420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008010000002042000A070000000553746174650000004200B050000004000000020000000

Client B:
Locate (symmetric key by name)
In: objectType = '00000002', attributes={ Name={ Name='Key1', NameType='00000001' } }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

42007801000000D04200770100000038420069010000002042006A02000000400000001000000042006B020000004000000000000042000D0200000040000000100000004200F01000008842005C0500000040000000800000004200790100000070420008010000002842000A070000000B4F626A65637420547970650000000042000B050000000400000020000000420008010000003842000A07000000044E616D65000000042000B010000002042005507000000044B65793100000000420054050000004000000010000000

Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBEB2B (Thu Nov 12 12:10:35 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07820 (Mon Sep 28 10:47:28 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attri...

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Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Typ...

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	<p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2B42000D0200000004000000010000000042000F010000005842005C0500000004000000080000000042007F05000000040000000000000042007C0100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p>
5	<p>Client B: Get (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p> <p>Out: objectType = '00000002', uuidKey, symmetricKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBED2B (Thu Nov 12 12:10:35 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9 Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data: Tag: Key Block (0x420040), Type: Structure (0x01), Data: Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001 Tag: Key Value (0x420045), Type: Structure (0x01), Data: Tag: Key Material (0x420043), Type: Octet String (0x08), Data: EF7833AB15F5A1EE5874BC0D9BBC4BE7</p>

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 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07821 (Mon Sep 28 10:47:29 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)¶ [... [140]

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Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶ [... [142]

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	<p>Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES)</p> <p>Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)</p> <p>42007B010000012042007A0100000048420069010000002042006A02000000400000001000000042006B020000004000000000000042009209000000800000004AFBED2B42000D02000000400000001000000042000F01000000C842005C0500000040000000A0000000042007F05000000400000000000000042007C01000000A042005705000000400000000000420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008F010000005842004001000000504200420500000004000000010000000042004501000000184200430800000010EF7833AB15F5A1EE5874BC0D9BBC4BE7420028050000004000000030000000042002A0200000040000000800000000</p>
6	<p>Client B: Revoke (symmetric key as compromised) In: uuidKey, RevocationReason='0000002', CompromiseOccurrenceTime='6'</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data: Tag: Request Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000013 (Revoke) Tag: Request Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9 Tag: Revocation Reason (0x420081), Type: Structure (0x01), Data: Tag: Revocation Reason Code (0x420082), Type: Enumeration (0x05), Data: 0x00000002 (Key Compromise) Tag: Compromise Occurrence Date (0x420021), Type: Date-Time (0x09), Data: 0x0000000000000006 (Thu Jan 01 01:00:06 CET 1970)</p> <p>42007801000000B84200770100000038420069010000002042006A02000000400000001000000042006B020000004000000000000042000D02000000400000001000000042000F010000007042005C050000004000000013000000004200790100000058420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008101000000104200820500000004000000020000000042002109000000080000000000000006</p> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data: Tag: Response Header (0x42007A), Type: Structure (0x01), Data: Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2B (Thu Nov 12 12:10:35 CET 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000013 (Revoke) Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-</p>

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 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AC07821 (Mon Sep 28 10:47:29 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶

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 Tag: Request Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2B (Thu Nov 12 12:10:35 CET 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000013 (Revoke)¶
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-

Deleted: 42007501000000B84200740100000038420069010000002042006A02000000400000001000000042006B020000004000000000000042000D02000000400000001000000042000F010000007042005C050000004000000013000000004200790100000058420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008101000000104200820500000004000000020000000042002109000000080000000000000006

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	<p>2a161633ada9</p> <p>42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2B42000D02000000400000001000000042000F010000005842005C0500000004000000130000000042007F05000000400000000000000042007C0100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p>
7	<p>Client B:</p> <p>Get attribute</p> <p>In: uuidKey, attributeName= { 'State' }</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State</p> <p>42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2C42000D02000000400000001000000042000F010000005842005C05000000040000000000000042007F05000000400000000000000042007C0100000030420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042000A0700000005374617465000000</p> <p>Out: uuidKey, attribute= { State='00000004' }</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBED2C (Thu Nov 12 12:10:36 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State</p> <p>Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000004 (Compromised)</p> <p>42007B01000000D842007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2C42000D02000000400000001000000042000F010000005842005C05000000040000000000000042007F05000000400000000000000042007C0100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p>

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 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07822 (Mon Sep 28 10:47:30 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (... [148])

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 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ (... [150])

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 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ (... [152])

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	<p>16432386238612D303664662D343363302D623732662D32613136313633336164613900000000420008010000002042000A0700000005537461746500000042000B05000000040000000400000000</p>
8	<p>Client A: Get attribute list In: uuidKey</p> <p><u>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</u> <u>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</u> <u>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</u> <u>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</u> <u>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</u> <u>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)</u> <u>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</u> <u>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</u></p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C050000000400000000C000000004200790100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000</p> <p>Out: uuidKey, attributes = { * }</p> <p><u>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</u> <u>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</u> <u>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</u> <u>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</u> <u>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2C (Thu Nov 12 12:10:36 CET 2009)</u> <u>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</u> <u>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</u> <u>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)</u> <u>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</u> <u>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</u> <u>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Compromise Occurrence Date</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Compromise Date</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Digest</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Initial Date</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Revocation Reason</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier</u> <u>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name</u></p>

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Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)¶
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

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Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Last Change Date

42007B010000022042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2C4200D020000000400000001000000004200F01000001C842005C05000000040000000C0000000042007F05000000040000000000000042007C01000001A0420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042000A070000001443727970746F67726170686963204C656E677468000000042000A070000001743727970746F6772617068696320416C676F726974686D0042000A0700000005537461746500000042000A070000001A436F6D70726F6D697365204F6363757272656E636520446174650000000000042000A07000000F436F6D70726F6D69736520446174650042000A0700000006446967657374000042000A070000000C496E697469616C2044617465000000042000A07000000F41637469766174696F6E20446174650042000A07000000115265766F636174696F6E20526561736F6E0000000000000042000A0700000011556E69717565204964656E746966696572000000000000042000A0700000044E616D65000000042000A070000001843727970746F67726170686963205573616765204D61736B42000A07000000B4F626A656374205479706500000000042000A07000000104C617374204368616E67652044617465

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
 Tag: Request Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9

9 Client A:
 Get attributes
 In: uuidKey, attributeName = { 'State' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State

42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2C4200D020000000400000001000000004200F01000001C842005C05000000040000000C0000000042007F05000000040000000000000042007C01000001A0420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042000A07000000055374617465000000

Out: uuidKey, attribute={ State='00000004' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2C (Thu Nov 12 12:10:36 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attri [... [153]

Deleted: 42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2C4200D020000000400000001000000004200F01000001C842005C05000000040000000C0000000042007F05000000040000000000000042007C01000001A04200940700000024333333 [... [154]

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Deleted: 42007501000000A04200740100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000004200920900000008000000004AFBED2C4200D020000000400000001000000004200F01000001C842005C05000000040000000C0000000042007F05000000040000000000000042007C01000001A04200940700000024333333646362D613337622D386537332D346666362D613337622D343233363966356134323 [... [156]

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Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2C (Thu Nov 12 12:10:36 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 9D407FFB45C95672
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: D62107C3158409D8
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

42007B010000019042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2C42000D0200000004000000020000000042000F010000009842005C050000000400000000D0000000042009308000000089D407FFB45C9567242007F050000000400000000000000000042007C0100000060420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000042008010000002842000A070000000C782D61747472696275746531000000042000B070000000656616C7565310000042000F01000009842005C050000000400000000D0000000042009308000000089D42007F0500000004000000000000000000042007C0100000060420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000042008010000002842000A070000000C782D61747472696275746532000000042000B070000000656616C7565320000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07823 (Mon Sep 28 10:47:31 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 5CD7C98FC5B52FF7
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Str... [161]

11 Client A:
Modify attribute [batch]
In: uuidKey, attribute={ x-attribute1='ModifiedValue1' }
In: uuidKey, attribute={ x-attribute2='ModifiedValue2' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Deleted: 42007801000001904200770100000048420067010000002042006802000000040000000100000000000000004200920900000008000000004AFBED2C42000D0200000004000000020000000042000F010000009842005C050000000400000000D0000000042009308000000089D407FFB45C9567242007F05000000040000000000000000000042007C0100000060420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000042008010000002842000A070000000C782D61747472696275746531000000042000B070000000656616C7565320000

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Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

42007B01000001A042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2D42000D0200000004000000020000000042000F01000000A042005C05000000040000000E00000000420093080000000847FB42CCECA3F6EC42007F0500000004000000000000000042007C0100000068420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000420008010000003042000A070000000C782D61747472696275746531000000042000B070000000E4D6F6469669656456616C7565320000

12 Client A:
 Delete attribute [batch]
 In: uuidKey, attributeNames={ 'x-attribute1' }
 In: uuidKey, attributeNames={ 'x-attribute2' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 3E2C080FA8806057
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 9D55988D43D23B82
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2

42007801000001304200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000020000000042000F010000007042005C05000000040000000F0000000042009308000000083E2C080FA88060574200790100000048420094070000002432316432386238612D303664662D343363302D623732662D326131363136333361646139000000042000A070000000C782D61747472696275746531000000042000B070000000E4D6F6469669656456616C7565320000

Out: uuidKey, attributeNames={ 'x-attribute1' }
 Out: uuidKey, attributeNames={ 'x-attribute2' }

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07823 (Mon Sep 28 10:47:31 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify [... [165])

Deleted: 42007801000001A04200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2D42000D0200000004000000020000000042000F01000000A042005C05000000040000000E00000000420093080000000847FB42CCECA3F6EC42007F0500000004000000000000000042007C0100000068420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000420008010000003042000A070000000C782D61747472696275746531000000042000B070000000E4D6F6469669656456616C7565320000 [... [166])

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Deleted: 42007501000001304200740100000038420067010000002042006802000000040000000042000D0200000004000000020000000042000F010000007042005C05000000040000000F0000000042009308000000083E2C080FA88060574200790100000048420094070000002432316432386238612D303664662D343363302D623732662D326131363136333361646139000000042000A070000000C782D61747472696275746531000000042000B070000000E4D6F6469669656456616C7565320000 [... [168])

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Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2D (Thu Nov 12 12:10:37 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 3E2C080FA8806057
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
 Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 9D55988D43D23B82
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

42007B01000001A042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2D42000D0200000004000000020000000042000F01000000A042005C050000000400000000F0000000042009308000000083E2C080FA880605742007F0500000004000000000000000000042007C01000000684200940700000002432316432386238612D303664662D343363302D623732662D326131363136333361646139000000000420080100000003042000A070000000C782D617474726962757465310000000042000B070000000E4D6F6469669656456616C756531000042000F01000000A042005C050000000400000000F0000000042009308000000089D55988D43D23B8242007F05000000040000000000000042007C01000000684200940700000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000420080100000003042000A070000000C782D617474726962757465320000000042000B070000000E4D6F6469669656456616C7565320000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07826 (Mon Sep 28 10:47:34 CEST 2009)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)¶
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 1A1B48172DF57ABC¶
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262¶
 Tag: Attribute ... [169]

13 Client A:
 Get (symmetric key)
 In: uuidKey

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)

Deleted: 42007801000001A042007701000000204200690200000004000000010000000042006A02000000040000000000000042000F01000000A042005C050000000400000000F0000000042009308000000083E2C080FA880605742007F0500000004000000000000000000042007C01000000684200940700000002432316432386238612D303664662D343363302D623732662D326131363136333361646139000000000420080100000003042000A070000000C782D617474726962757465310000000042000B070000000E4D6F6469669656456616C7565320000

Deleted: 5
 Deleted: 06

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000

Out: objectType = '00000002', uuidKey, symmetricKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2D (Thu Nov 12 12:10:37 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9
 Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:
 Tag: Key Block (0x420040), Type: Structure (0x01), Data:
 Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001
 Tag: Key Value (0x420045), Type: Structure (0x01), Data:
 Tag: Key Material (0x420043), Type: Octet String (0x08), Data: EF7833AB15F5A1EE5874BC0D9BBC4BE7
 Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)

42007B010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2D42000D0200000004000000010000000042000F010000000C842005C05000000040000000A0000000042007F05000000040000000000000042007C01000000A042005705000000040000000000000420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008F010000005842004001000000504200420500000004000000010000000042004501000000184200430800000010EF7833AB15F5A1EE5874BC0D9BBC4BE74200280500000004000000030000000042002A02000000040000000800000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text (... [171])

Deleted: 42007501000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Typ (... [173])

Deleted: 420078010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2D42000D0200000004000000010000000042000F010000000C842005C05000000040000000A0000000042007F05000000040000000000000042007C01000000A0420057050000000400000000000000420094070000002432316432386238612D303664662D343363302D623732662D3261313631363333616461390000000042008F010000005842004001000000504200420500000004000000010000000042004501000000184200430800000010EF7833AB15F5A1EE5874BC0D9BBC4BE74200280500000004000000030000000042002A02000000040000000800000000

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14 Client A:
 Destroy (symmetric key)
 In: uuidKey

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C050000000400000014000000004200790100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000

Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2E (Thu Nov 12 12:10:38 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 21d28b8a-06df-43c0-b72f-2a161633ada9

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED2E42000D0200000004000000010000000042000F010000005842005C05000000040000000140000000042007F0500000004000000000000000042007C0100000030420094070000002432316432386238612D303664662D343363302D623732662D32613136313633336164613900000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Unique Identifier (0x420091), Type: Text [... [175]

Deleted: 4200750100000090420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D02000000040000000000000042000F010000004842005A050000000400000014000000420076010000003042009107000000243333364633962392D386537332D346666362D613337622D343233363966356134323 [... [176]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Typ [... [177]

Deleted: 42007801000000B0420077010000004842006701000000204200680200000004000000010000000042006902000000040000000000000042000D02000000040000000000000042000F09000000080000000042007C05000000040000000000000042007F01000000005842005A050000000400000014000000042007C0500000004000000000000004200790100000030420091070000002433333 [... [178]

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5 Auditing and reporting

5.1 Use-case: Get usage allocation scenario

This use-case tests the usage management functionality of KMIP. A key is created and the Activation Date and Protect Stop Date attributes are set in such a way as to allow the Get Usage Allocation operation to be performed. The value of the Usage Limits attribute is set to 1000 bytes, and two subsequent requests for 500 bytes succeed, while a third fails since the usage allocation has been used up. The key is finally destroyed. This use-case shows the use of multiple clients with the assumptions regarding the clients being the same as in the use-case described in Section 3.1.4

Time	Client A
0	Client A: ▼

Create (symmetric key)

In: objectType = '00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', NameValue={ Name='Key1', NameType='00000001' }, CryptographicUsageMask='00000004' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)

42007801000001604200770100000038420069010000002042006A0200000004000000010000000042006B020000000400
00000000000042000D0200000004000000010000000042000F010000011842005C050000000400000001000000004200
7901000001004200570500000004000000020000000042009101000000E8420008010000003042000A0700000017437279
70746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A07
0000001443727970746F67726170686963204C656E677468000000042000B0200000004000000080000000004200080100
0003842000A07000000044E616D65000000042000B010000002042005507000000044B65793100000000420054050000
00040000000100000000420008010000003042000A070000001843727970746F67726170686963205573616765204D6173
6B42000B02000000040000000400000000

Out: objectType = '00000002', uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2E (Thu Nov 12
12:10:38 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x420091), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)

Deleted: 42007501000001604200770100000038420069010000002042006A0200000004000000010000000042006B020000000400
00000000000042000D0200000004000000010000000042000F010000011842005C050000000400000001000000004200
7901000001004200570500000004000000020000000042009101000000E8420008010000003042000A0700000017437279
70746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A07
0000001443727970746F67726170686963204C656E677468000000042000B0200000004000000080000000004200080100
0003842000A07000000044E616D65000000042000B010000002042005507000000044B65793100000000420054050000
00040000000100000000420008010000003042000A070000001843727970746F67726170686963205573616765204D6173
6B42000B02000000040000000400000000

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	<p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000001 (Create)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>-----</p> <p>42007B01000000C042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400 00000000000000420092090000008000000004AFBED2E42000D0200000004000000010000000042000F01000000684200 5C0500000004000000010000000042007F05000000040000000000000042007C010000000404200570500000004000000 020000000420094070000002436643262353536382D643862342D343064312D393930642D346261306264346666373666 00000000</p>
1	<p>Client A:</p> <p>Add attribute [batch]</p> <p>In: uuidKey, attribute={ ActivationDate='2' }</p> <p>In: uuidKey, attribute={ ProtectStopDate='<NOW+10min>' }</p> <p>-----</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)</p> <p>Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 33150E6CB1ACF869</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date</p> <p>Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)</p> <p>Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: CF90BC88AE42CBC2</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>Tag: Attribute (0x420008), Type: Structure (0x01), Data:</p> <p>Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Protect Stop Date</p> <p>Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x000000004AFBEF86 (Thu Nov 12 12:20:38 CET 2009)</p> <p>-----</p> <p>42007801000001684200770100000038420069010000002042006A0200000004000000010000000042006B020000000400 0000000000000042000D0200000004000000020000000042000F010000008842005C05000000040000000000000004200 9308000000833150E6CB1ACF86942007901000000604200940700000002436643262353536382D643862342D343064312D 393930642D3462613062643466663736660000000420008010000002842000A070000000F41637469766174696F6E2044 6174650042000B0900000008000000000000000242000F010000009042005C05000000040000000000000004200930800 000008CF90BC88AE42CBC24200790100000068420094070000002436643262353536382D643862342D343064312D393930 642D3462613062643466663736660000000420008010000003042000A070000001150726F746563742053746F70204461 74650000000000000042000B0900000008000000004AFBEF86</p>

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07828 (Mon Sep 28 10:47:36 CEST 2009)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)¶ [... [181]]

Deleted: 42007801000000C04200770100000038420069010000002042006A0200000004000000010000000042006B020000000400
0000000000000042000D0200000004000000020000000042000F010000008842005C05000000040000000000000004200
9308000000833150E6CB1ACF86942007901000000604200940700000002436643262353536382D643862342D343064312D
393930642D3462613062643466663736660000000420008010000002842000A070000000F41637469766174696F6E2044
6174650042000B0900000008000000000000000242000F010000009042005C05000000040000000000000004200930800
000008CF90BC88AE42CBC24200790100000068420094070000002436643262353536382D643862342D343064312D393930
642D3462613062643466663736660000000420008010000003042000A070000001150726F746563742053746F70204461
74650000000000000042000B0900000008000000004AFBEF86

Deleted: Tag: Request Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Deleted: 42007501000001684200770100000038420069010000002042006A0200000004000000010000000042006B020000000400
0000000000000042000D0200000004000000020000000042000F010000008842005C05000000040000000000000004200
9308000000833150E6CB1ACF86942007901000000604200940700000002436643262353536382D643862342D343064312D
393930642D3462613062643466663736660000000420008010000002842000A070000000F41637469766174696F6E2044
6174650042000B0900000008000000000000000242000F010000009042005C05000000040000000000000004200930800
000008CF90BC88AE42CBC24200790100000068420094070000002436643262353536382D643862342D343064312D393930
642D3462613062643466663736660000000420008010000003042000A070000001150726F746563742053746F70204461
74650000000000000042000B0900000008000000004AFBEF86

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Out: uuidKey, attribute={ ActivationDate='2' }
Out: uuidKey, attribute={ ProtectStopDate='<NOW+10min>' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2E (Thu Nov 12 12:10:38 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: 33150E6CB1ACF869
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420093), Type: Octet String (0x08), Data: CF90BC88AE42CBC2
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Protect Stop Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x000000004AFBEF86 (Thu Nov 12 12:20:38 CET 2009)

42007B010000019842007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000042009209000000800000004AFBED2E42000D020000004000000020000000042000F010000009842005C0500000040000000D0000000420093080000000833150E6CB1ACF86942007F05000000040000000000000042007C0100000060420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000000284200A070000000F41637469766174696F6E2044617465004200B090000000800000000000000242005C0500000040000000D00000004200930800000008CF90BC88AE42CBC242007F0500000040000000000000000042007C0100000068420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042000801000000304200A070000001150726F746563742053746F7020446174650000000000004200B0900000008000000004AFBEF86

2 Client A:
Add Attribute
In: uuidKey, attribute={ UsageLimits={ UsageLimitsTotalBytes='1000' } }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07828 (Mon Sep 28 10:47:36 CEST 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)¶
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: E1AE8A5206CC749A¶
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x420079), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615¶
Tag: Attribute (0x420008), Type: Str... [185]

Deleted: 420078010000019842007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000042009209000000800000004AFBED2E42000D020000004000000020000000042000F010000009842005C0500000040000000D0000000420093080000000833150E6CB1ACF86942007F05000000040000000000000042007C0100000060420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000000284200A070000000F41637469766174696F6E2044617465004200B090000000800000000000000242005C0500000040000000D00000004200930800000008CF90BC88AE42CBC242007F0500000040000000000000000042007C0100000068420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042000801000000304200A070000001150726F746563742053746F7020446174650000000000004200B0900000008000000004AFBEF86

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Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)

Tag: Request Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Usage Limits

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:

Tag: Usage Limits Total Bytes (0x420098), Type: Big Integer (0x04), Data: 03E8 (1000)

42007801000000C84200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D020000000400000001000000042000F010000008042005C05000000040000000D000000004200790100000068420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000420008010000003042000A070000000C5573616765204C696D6974730000000042000B010000001042009804000000800000000000003E8

Out: uuidKey, attribute={ UsageLimits={ UsageLimitsTotalBytes= '1000', UsageLimitsByteCount='1000' } }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2F (Thu Nov 12 12:10:39 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Usage Limits

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:

Tag: Usage Limits Total Bytes (0x420098), Type: Big Integer (0x04), Data: 00000000000003E8 (1000)

Tag: Usage Limits Byte Count (0x420096), Type: Big Integer (0x04), Data: 00000000000003E8 (1000)

42007B01000000F842007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F0100000080A042005C05000000040000000D0000000042007F05000000040000000000000042007C0100000078420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000420008010000004042000A070000000C5573616765204C696D6974730000000042000B0100000020420098040000008000000000000003E842009604000000800000000000003E8

3 Client B:
Locate (symmetric key by name)
In: objectType = '00000002', attributes={ Name={ Name='Key1', NameType= '00000001' } }

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)¶
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420091), Type: Text [... [187]

Deleted: 42007501000000C8420074010000003842006701000000204200680200000004000000010000000000000042000D0200000004000000000000000000000042000F010000008042005A05000000040000000D00000000420076010000006842009107000000243466656336135392D623231372D346162662D383461642D616631353437303234363 (... [188]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Typ [... [189]

Deleted: 42007801000000F8420077010000004842006701000000204200680200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F0100000080A042005C05000000040000000D0000000042007F05000000040000000000000042007C0100000078420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000420008010000004042000A070000000C5573616765204C696D6974730000000042000B0100000020420098040000008000000000000003E842009604000000800000000000003E8

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Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

42007801000000004200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F01000008842005C050000000400000008000000004200790100000070420008010000002842000A070000000B4F626A6563742054797065000000000042000B05000000040000000200000000420008010000003842000A070000000044E616D650000000042000B010000002042005507000000044B6579310000000042005405000000040000000100000000

Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2F (Thu Nov 12 12:10:39 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff7f6

42007B010000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F010000005842005C0500000004000000080000000042007F0500000004000000000000000042007C01000000304200940700000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000

4 Client B:
 Get (symmetric key)
 In: uuidKey

Deleted: Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420055), Type: Text String (0x07), Data: Key
 Tag: Name Type (0x420054), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

Deleted: 4200750100000000420074010000000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F01000008842005C050000000400000008000000004200790100000070420008010000002842000A070000000B4F626A6563742054797065000000000042000B05000000040000000200000000420008010000003842000A070000000044E616D650000000042000B010000002042005507000000044B6579310000000042005405000000040000000100000000

Deleted: Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2F (Thu Nov 12 12:10:39 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff7f6

Deleted: 420078010000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F010000005842005C0500000004000000080000000042007F0500000004000000000000000042007C01000000304200940700000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000

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	<p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>-----</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F010000004842005C050000000400000000A0000000004200790100000030420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000</p> <p>-----</p> <p>Out: objectType = '00000002', uuidKey, symmetricKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2F (Thu Nov 12 12:10:39 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)</p> <p>Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:</p> <p>Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:</p> <p>Tag: Key Block (0x420040), Type: Structure (0x01), Data:</p> <p>Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001</p> <p>Tag: Key Value (0x420045), Type: Structure (0x01), Data:</p> <p>Tag: Key Material (0x420043), Type: Octet String (0x08), Data: 7C228050CE4FADBFF51227C891117F9C</p> <p>Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES)</p> <p>Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)</p> <p>-----</p> <p>42007B010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F01000000C842005C050000000400000000A0000000042007F0500000004000000000000000042007C01000000A042005705000000040000000200000000420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042008F010000005842004001000000504200420500000040000000100000000420045010000001842004308000000107C228050CE4FADBFF51227C891117F9C420028050000004000000030000000042002A02000000040000000800000000</p>
5	<p>Client B:</p>

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶

Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶

Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: ... [195]

Deleted: 4200750100000090420074010000003842006701000000204200680200000004000000000000420069020000000400000000000042000D0200000004000000010000000042000F010000004842005A050000000400000000A000000000420076010000003042009107000000243466656336135392D623231372D346162662D383461642D616631353437303234363 (... [196])

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶

Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶

Deleted: 420078010000012042007701000000484200670100000020420068020000000400000000000042006902000000040000000000000000000042000D0200000004000000010000000042000F01000000C842005C050000000400000000A0000000042007F09000000080000000042007C01000000A042005705000000040000000200000000420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042008F0900000008000000004200430782A42000D0200000004000000010000000042000F01000000C842005A050000000400000000A0000000042007C0500000004000000000000000042007901000000A04200550500000004000000 (... [198])

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Get usage allocation

In: uuidKey, UsageLimitsByteCount='500'

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f
Tag: Usage Limits Byte Count (0x420096), Type: Big Integer (0x04), Data: 01F4 (500)

42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B0200000000400000000000042000D0200000004000000010000000042000F010000005842005C0500000004000000110000000042007901000000040420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000004200960400000008000000000000001F4

Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED2F (Thu Nov 12 12:10:39 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f

42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F010000005842005C0500000004000000110000000042007F050000000400000000000000042007C0100000030420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000

6

Client A:

Get usage allocation

In: uuidKey, UsageLimitsByteCount='500'

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f [199]

Deleted: 42007501000000A04200740100000038420069010000002042006A0200000004000000010000000042006B0200000000400000000000042000D0200000004000000010000000042000F010000005842005A0500000004000000110000000042007601000000040420091070000002434666563336135392D623231372D346162662D383461642D616631353437303234363 [200]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) [201]

Deleted: 42007801000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000040000000000004200920900000008000000004AFBED2F42000D0200000004000000010000000042000F010000005842005C0500000004000000110000000042007F050000000400000000000000042007C0100000030420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637366600000000 [202]

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4ba0bd4ff76f

42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B020000000400000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002436643262353536382D643862342D343064312D393930642D34626130626434666637365600000000

Out: objectType = '00000002', uuidKey, symmetricKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:

Tag: Response Header (0x42007A), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED30 (Thu Nov 12 12:10:40 CET 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000A (Get)

Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:

Tag: Object Type (0x420057), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)

Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f

Tag: Symmetric Key (0x42008F), Type: Structure (0x01), Data:

Tag: Key Block (0x420040), Type: Structure (0x01), Data:

Tag: Key Format Type (0x420042), Type: Enumeration (0x05), Data: 0x00000001

Tag: Key Value (0x420045), Type: Structure (0x01), Data:

Tag: Key Material (0x420043), Type: Octet String (0x08), Data: 7C228050CE4FADBFF51227C891117F9C

Tag: Cryptographic Algorithm (0x420028), Type: Enumeration (0x05), Data: 0x00000003 (AES)

Tag: Cryptographic Length (0x42002A), Type: Integer (0x02), Data: 0x00000080 (128)

42007B010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000000420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042008F0100000058420040010000005042004205000000040000000100000000420045010000001842004308000000107C228050CE4FADBFF51227C891117F9C4200280500000004000000030000000042002A02000000040000000800000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text [... [211]]

Deleted: 420075010000009042007A0100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D020000000400000000100000000042000F010000004842005C05000000040000000A000000004200790100000030420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042008F0100000058420040010000005042004205000000040000000100000000420045010000001842004308000000107C228050CE4FADBFF51227C891117F9C4200280500000004000000030000000042002A02000000040000000800000000 [... [212]]

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Typ [... [213]]

Deleted: 420078010000012042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000000420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000042008F0100000058420040010000005042004205000000040000000100000000420045010000001842004308000000107C228050CE4FADBFF51227C891117F9C4200280500000004000000030000000042002A02000000040000000800000000 [... [214]]

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9 Client C:
 Get usage allocation
 In: uuidKey, UsageLimitsByteCount='500'

Tag: Request Message (0x420078), Type: Structure (0x01), Data:

Tag: Request Header (0x420077), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

	<p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>Tag: Usage Limits Byte Count (0x420096), Type: Big Integer (0x04), Data: 01F4 (500)</p> <p>42007801000000A04200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000005842005C0500000004000000011000000004200790100000040420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736660000000420096040000008000000000000001F4</p> <p>Out: uuidKey</p> <p>Tag: Response Message (0x42007B), Type: Structure (0x01), Data:</p> <p>Tag: Response Header (0x42007A), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED31 (Thu Nov 12 12:10:41 CET 2009)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)</p> <p>Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000001 (Failed)</p> <p>Tag: Result Reason (0x42007E), Type: Enumeration (0x05), Data: 0x0000000C (Permission Denied)</p> <p>Tag: Result Message (0x42007D), Type: Text String (0x07), Data: Unable to allocate requested amount</p> <p>42007B01000000B842007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400000000000000420092090000008000000004AFBED3142000D0200000004000000010000000042000F0100000006042005C05000000040000000110000000042007F0500000004000000010000000042007E05000000040000000C0000000042007D070000002355E61626C6520746F20616C6C6F636174652072657175657374656420616D6F756E740000000000</p>
10	<p>Client A: Destroy (symmetric key) In: uuidKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p> <p>Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)</p> <p>Tag: Request Payload (0x420079), Type: Structure (0x01), Data:</p> <p>Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f</p> <p>42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C0500000004000000014000000004200</p>

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)¶
Tag: Request Payload (... [215])

Deleted: 42007501000000A0420074010000003842006701000000204200680200000004000000010000000042006902000000040000000000000042000D0200000004000000010000000042000F0100000005842005A0500000004000000011000000042007601000000404200910700000024346665633613 (... [216])

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ (... [217])

Deleted: 42007801000000B84200770100000048420067010000002042006802000000040000000100000000000042006902000000040000000000000042000D0200000004000000010000000042000F0100000006042005A05000000040000000110000000042007C05000000 (... [218])

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶ (... [219])

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790100000030420094070000002436643262353536382D643862342D343064312D393930642D3462613062643466663736
6600000000
-----
Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED31 (Thu Nov 12
12:10:41 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6d2b5568-d8b4-40d1-990d-
4ba0bd4ff76f
-----
42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B020000000400
0000000000004200920900000008000000004AFBED3142000D0200000004000000010000000042000F010000000584200
5C0500000004000000140000000042007F050000000400000000000000042007C01000000304200940700000024366432
62353536382D643862342D343064312D393930642D3462613062643466663736660000000000
-----

```

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Deleted: 42007501000000904200
7401000000384200670100000020
4200680200000004000000010000
0000420069020000000400000000
0000000042000D02000000040000
00010000000042000F0100000048
42005A0500000004000000140000
0000420076010000003042009107
0000002434666653336135392D62
3231372D346162662D383461642D
6166313534373032343631350000
0000

```

```

Deleted: Tag: Response
Message (0x420078), Type:
Structure (0x01), Data: ¶
Tag: Response Header
(0x420077), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
(0x420067), Type: Structure
(0x01), Data: ¶
Tag: Protocol Version
Major (0x420068), Type:
Integer (0x02), Data:
0x00000001 (1)¶
Tag: Protocol Version
Minor (0x420069), Type:
Integer (0x02), Data:
0x00000000 (0)¶
Tag: Time Stamp
(0x42008F), Type: Date-Time
(0x09), Data:
0x000000004AC0782C (Mon Sep
28 10:47:40 CEST 2009)¶
Tag: Batch Count
(0x42000D), Type: Integer
(0x02), Data: 0x00000001 (1)¶
Tag: Batch Item
(0x42000F), Type: Structure
(0x01), Data: ¶
Tag: Operation
(0x42005A), Type:
Enumeration (0x05), Data:
0x00000014 (Destroy)¶
Tag: Result Status
(0x42007C), Type:
Enumeration (0x05), Data:
0x00000000 (Success)¶
Tag: Response Payload
(0x420079), Type: Structure
(0x01), Data: ¶
Tag: Unique Identifier
(0x420091), Type: Text String
(0x07), Data: 6d2b5568-d8b4-40d1-990d-4ba0bd4ff76f [220]

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6 Key Interchange, Key Exchange

6.1 Use-case: Import of a Third-party Key

This use-case tests the import of a foreign key using the Register operation. To validate that the registered key is treated the same as a locally created key, an attribute is added to the key and then modified. Finally, the key is destroyed.

Time	Request/Response messages
0	<p>Register (symmetric key)</p> <p>In: objectType = '00000002', attributes={ CryptographicUsageMask='00000004' }, foreignSymmetricKey</p> <p>Tag: Request Message (0x420078), Type: Structure (0x01), Data:</p> <p>Tag: Request Header (0x420077), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:</p> <p>Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)</p> <p>Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)</p> <p>Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:</p>

```

Deleted: 42007801000000B04200
7701000000484200670100000020
4200680200000004000000010000
0000420069020000000400000000
0000000042000F09000000080000
00004AC0782C42000D0200000004
000000010000000042000F010000
005842005A050000000400000014
0000000042007C05000000040000
000000000004200790100000030
4200910700000024346666533361
35392D623231372D346162662D38
3461642D61663135343730323436313500000000 [221]

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Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: unknown

420078010000000C04200770100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F01000007842005C05000000040000000D000000004200790100000060420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000002842000A070000000A782D70726F76696465720000000000042000B0700000007756E6B6E6F776E00

Out: uuidKey, attribute={ x-provider='unknown' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
 Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED32 (Thu Nov 12 12:10:42 CET 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: unknown

42007B010000000E042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED3242000D0200000004000000010000000042000F010000008842005C05000000040000000D0000000042007F05000000040000000000000042007C0100000060420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000002842000A070000000A782D70726F76696465720000000000042000B0700000007756E6B6E6F776E00

2 Modify attribute
 In: uuidKey, attribute={ x-provider='third party' }

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
 Tag: Request Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
 Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)¶
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: ... [226]

Deleted: 420075010000000C04200740100000038420069010000002042006A0200000004000000010000000042006B0200000004000000000000042000D0200000004000000010000000042000F01000007842005C05000000040000000D000000004200760100000060420091070000002462623830363435332D356337352D343263322D383062642D346535326631636562353 (... [227])

Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data: ¶
 Tag: Response Header (0x420077), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: ... [228]

Deleted: 420078010000000E04200770100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED3242000D0200000004000000010000000042000F010000008842005C05000000040000000D0000000042007F05000000040000000000000042007C0100000060420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000002842000A070000000A782D70726F76696465720000000000042000B0700000007756E6B6E6F776E00 (... [229])

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Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: third party

420078010000000C84200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000B020000000400000001000000042000F010000008042005C05000000040000000E000000004200790100000068420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000003042000A070000000A782D70726F766964657200000000000042000B070000000B74686972642070617274790000000000

Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data: ¶
Tag: Request Header (0x420074), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)¶
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7 [230]

Out: uuidKey, attribute={ x-provider='third party' }

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBBD32 (Thu Nov 12 12:10:42 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: third party

42007B010000000E842007A0100000048420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000F010000008042005C05000000040000000E000000004200790100000068420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000003042000A070000000A782D70726F766964657200000000000042000B070000000B74686972642070617274790000000000

Deleted: 420075010000000C84200740100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000F010000008042005C05000000040000000E000000004200790100000068420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000003042000A070000000A782D70726F766964657200000000000042000B070000000B74686972642070617274790000000000 [231]

Deleted: Tag: Response Message (0x42007B), Type: Structure (0x01), Data: ¶
Tag: Response Header (0x42007A), Type: Structure (0x01), Data: ¶
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data: ¶
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)¶
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x00000004AFBBD32 (Thu Nov 12 12:10:42 CET 2009)¶
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)¶
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: ¶
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)¶
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)¶
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data: ¶
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7 [232]

3 Destroy (symmetric key)
In: uuidKey

Tag: Request Message (0x420078), Type: Structure (0x01), Data:
Tag: Request Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Deleted: 420078010000000E84200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000F010000008042005C05000000040000000E000000004200790100000068420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000420008010000003042000A070000000A782D70726F766964657200000000000042000B070000000B74686972642070617274790000000000 [233]

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```

Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
-----
42007801000000904200770100000038420069010000002042006A0200000004000000010000000042006B02000000040000000000000042000D0200000004000000010000000042000F010000004842005C05000000040000000140000000004200790100000030420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000
-----
Out: uuidKey

Tag: Response Message (0x42007B), Type: Structure (0x01), Data:
Tag: Response Header (0x42007A), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420069), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x42006A), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x42006B), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x420092), Type: Date-Time (0x09), Data: 0x000000004AFBED32 (Thu Nov 12 12:10:42 CET 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005C), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007F), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x42007C), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420094), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
-----
42007B01000000B042007A0100000048420069010000002042006A0200000004000000010000000042006B0200000004000000000000004200920900000008000000004AFBED3242000D0200000004000000010000000042000F0100000005842005C050000000400000001400000000042007F0500000004000000000000000042007C0100000030420094070000002436653161356138332D383131332D343236302D623430642D39363666323331623931623700000000
-----

```

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Deleted: Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 6e1a5a83-8113-4260-b40d-966f231b91b7
-----
Deleted: 420075010000009042007401000000384200670100000020420068020000000400000001000000000042006902000000040000000000000000000042000D0200000004000000010000000042000F0100000005842005A05000000040000000140000000004200910700000030420091070000002462623830363435332D356337352D34326332D383062642D346535326631636562353
-----
Deleted: Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
-----
Deleted: 42007801000000B042007701000000484200670100000020420068020000000400000001000000000000000042006902000000040000000000000000000042000D0200000004000000010000000042000F0100000005842005A05000000040000000140000000004200910700000030420091070000002462623830363435332D356337352D34326332D383062642D346535326631636562353
-----
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7 Vendor Extensions

These use-cases test the handling of unknown message extensions with vendor-specific content.

7.1 Use-case: Unrecognized Message Extension with Criticality Indicator false

A create request is issued and the request contains a Message Extension with the Criticality Indicator set to false. The server does not understand the extension, but since it is non-critical, the create request is processed normally. Subsequently, the created key is deleted.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C' }, MessageExtension={ VendorIdentification='Acme',

	<p>CriticalityIndicator='false', VendorExtension={ tag='0x540001', type='text string', value='na' } }</p> <p>Out: objectType='00000002', uuidKey</p>
1	<p>Destroy (symmetric key)</p> <p>In: uuidKey</p> <p>Out: uuidKey</p>

7.2 Use-case: Unrecognized Message Extension with Criticality Indicator true

A create request is issued and the request contains a Message Extension with the Criticality Indicator set to true. The server does not understand the extension, and since it is critical, the create request fails and an error is returned.

Time	Client A
0	<p>Create (symmetric key)</p> <p>In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C' }, MessageExtension={ VendorIdentification='Acme', CriticalityIndicator='true', VendorExtension={ tag='0x540001', type='text string', value='na' } }</p> <p>Out: Operation Failed, Feature Not Supported</p>

8 Asymmetric keys

Creation of keys using “Create Key Pair” operation, locating pair using Link attribute.

8.1 Use-case: Create a Key Pair

Create a new private/public key pair. Make sure they are linked correctly by issuing Locate commands with the assigned Unique Identifiers. Finally delete both key halves.

Time	Client A
0	<p>Create Key Pair</p> <p>In: commonAttributes={ CryptographicAlgorithm='RSA', CryptographicLength='1024', CryptographicUsageMask='0000000C' }, privateKeyAttributes={ Name={ NameValue='PrivateKey1', NameType='00000001' } }, publicKeyAttributes={ NameValue='PublicKey1', NameType='00000001' } }</p>

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	Out: uuidPrivateKey, uuidPublicKey
1	Locate (Public Key) In: attributes={ objectType='PublicKey', Link={ LinkType='PrivateKeyLink', LinkedObjectIdentifier=uuidPrivateKey } } Out: uuidPublicKey
2	Locate (Private Key) In: attributes={ objectType='PrivateKey', Link={ LinkType='PublicKeyLink', LinkedObjectIdentifier=uuidPublicKey } } Out: uuidPrivateKey
3	Destroy In: uuidPrivateKey Out: uuidPrivateKey
4	Destroy In: uuidPublicKey Out: uuidPublicKey

8.2 Use-case: Register Both Halves of a Key Pair

Register a private key and a public key and set the Link attribute to point to each other. Verify the links were set correctly by locating the keys based on the link attributes, and then delete both objects.

Time	Client A
0	Register (Private Key) In: objectType='00000004', attributes={ CryptographicUsageMask='0000000C' }, foreignPrivateKey Out: uuidPrivateKey
1	Register (Public Key) In: objectType='00000004', attributes={ CryptographicUsageMask='0000000C', Link={ LinkType='PrivateKeyLink', LinkedObjectIdentifier=uuidPrivateKey } }, foreignPublicKey Out: uuidPublicKey
2	Add attribute In: uuidPrivateKey, attribute={ Link={ LinkType='PublicKeyLink', LinkedObjectIdentifier=uuidPublicKey } } Out: uuidPrivateKey, attribute={ Link={ LinkType='PublicKeyLink', LinkedObjectIdentifier=uuidPublicKey } }
3	Locate (Public Key) In: attributes={ objectType='PublicKey', Link={ LinkType='PrivateKeyLink', LinkedObjectIdentifier=uuidPrivateKey } } Out: uuidPublicKey
4	Locate (Private Key) In: attributes={ objectType='PrivateKey', Link={ LinkType='PublicKeyLink', LinkedObjectIdentifier=uuidPublicKey } }

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	Out: uuidPrivateKey
5	Destroy In: uuidPrivateKey Out: uuidPrivateKey
6	Destroy In: uuidPublicKey Out: uuidPublicKey

9 Key Roll-over

These use-cases test manual key roll-over using the “Re-key” operation. In particular, they test the formatting of the Re-key command, the handling and server-side processing of the various Time attributes and the setting of some other attributes that are not automatically copied from the existing key to the new key.

9.1 Use-case: Create a Key, Re-key

Create a symmetric key with a specific name, and then use Locate to find the key. After using Re-key to create a new key, verify that the name was removed from the existing key and copied to the new key. Also verify that the key material for the old key is still retrievable. To clean up, both keys are deleted.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C', Name={ NameValue='rekeyKey', NameType='00000001' } } Out: objectType='00000002', uuidKey
1	Locate In: attributes={ Name={ NameValue='rekeyKey', NameType='00000001' } } Out: uuidKey
2	Rekey In: uuidKey Out: uuidNewKey
3	Locate In: attributes={ Name={ NameValue='rekeyKey', NameType='00000001' } } Out: uuidNewKey
4	Get Attribute In: uuidKey, attributeName={'Name'} Out: Operation Failed, Item Not Found
5	Get (symmetric key) ▼

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	In: uuidKey Out: objectType = '00000002', uuidKey, symmetricKey
6	Destroy In: uuidKey Out: uuidKey
7	Destroy In: uuidNewKey Out: uuidNewKey

9.2 Use-case: Existing Key Expired, Re-key with Same lifecycle

Create a new symmetric key with a name. Then add the *Activation Date* and *Deactivation Date* attributes based on the timestamp in the response to the Create request. The *Activation Date* is set to a time in the past and the *Deactivation Date* to a time in the near future. Repeated Get Attribute calls are performed to verify that the state is first "Active", then subsequently "Deactive". Then issue a Re-key request, including an *Activation Date* attribute with the value set to the previously specified *Deactivation Date* of the existing key. Verify from the response that the *Activation Date* and *Deactivation Date* attributes were set correctly (if they are not returned, issue a Get Attribute request). Do a Get Attribute operation to verify that the state of the new key is "Active". To clean up, both keys are deleted.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C' } Out: objectType='00000002', uuidKey
1	Add Activation Date, Deactivation Date attributes based on Timestamp in previous response (batch) In: uuidKey, attribute={ ActivationDate=' <Timestamp in previous response - 365 days>' } In: uuidKey, attribute={ DeactivationDate=' <Timestamp in previous response + 2 minutes>' } Out: uuidKey, attribute={ ActivationDate=' <Timestamp in previous response - 1 year>' } Out: uuidKey, attribute={ DeactivationDate=' <Timestamp in previous response + 2 minutes>' }
2	Get Attribute * Repeated until state changes to Deactivated In: uuidKey, attributeName={'State'} Out: uuidKey, attribute={ State='Active' }
3	Get Attribute In: uuidKey, attributeName={'State'} Out: uuidKey, attribute={ State='Deactive' }
4	Rekey In: uuidKey, attribute={ offset='018B8200' (300 days)} Out: uuidNewKey

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5	Get Attribute In: uuidNewKey, attributeName={ 'ActivationDate', 'DeactivationDate' } Out: uuidNewKey, attribute={ ActivationDate=' <Value of ActivationTime in existing key + 300 days>', DeactivationDate=' <Value of DeactivationDate of existing key + 300 days>' }
6	Get Attribute In: uuidNewKey, attributeName={'State'} Out: uuidNewKey, attribute={ State='Active' }
7	Destroy In: uuidKey Out: uuidKey
8	Destroy In: uuidNewKey Out: uuidNewKey

9.3 Use-case: Existing Key Compromised, Re-key with same lifecycle

Create a new symmetric key with the *Activation Date* in the past. Do a Get Attribute operation on the State attribute to verify the key is "Active". Then revoke the key as compromised, verify that the state has changed to "Compromised". Create a replacement key using Re-key with the offset set to '0' to indicate that the times are to be copied from the existing key. Do a Get Attribute operation to verify that the state of the new key is "Active". To clean up, both keys are deleted.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C', Name={ NameValue='rekeyKey', NameType='00000001' }, ActivationDate='2' } Out: objectType='00000002', uuidKey
1	Get Attribute In: uuidKey, attributeName={'State'} Out: uuidKey, attribute={ State='Active' }
2	Revoke (symmetric key as compromised) In: uuidKey, RevocationReason='00000002', CompromiseOccurrenceDate='6' Out: uuidKey
3	Get Attribute In: uuidKey, attributeName={'State'} Out: uuidKey, attribute={ State='Compromised' }
4	Rekey In: uuidKey, offset='0' Out: uuidNewKey

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5	Get Attribute In: uuidNewKey, attributeName={'State'} Out: uuidNewKey, attribute={ State='Active' }
6	Destroy In: uuidKey Out: uuidKey
7	Destroy In: uuidNewKey Out: uuidNewKey

9.4 Use-case: Create key, Re-key with new lifecycle

Create a symmetric key with a specific name, then use Locate to find the key. After using Re-key to create a new key, verify that the name was removed from the existing key and copied to the new key. To clean up, both keys are deleted.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C', Name={ NameValue='rekeyKey', NameType='00000001' } } Out: objectType='00000002', uuidKey
1	Locate In: attributes={ Name={ NameValue='rekeyKey', NameType='00000001' } } Out: uuidKey
2	Rekey In: uuidKey, attributes={ ActivationDate='0000000043B7B630', ProcessStartDate='0000000043B7B630', ProtectStopDate='000000005E0C7BB0', DeactivationDate='000000005E0C7BB0' } Out: uuidNewKey
3	Get Attribute In: uuidKey, attributeName={'Name'} Out: Operation Failed, Item Not Found
4	Get Attribute In: uuidKey, attributeName={ 'ActivationDate', 'ProcessStartDate', 'ProtectStopDate', 'DeactivationDate' } Out: uuidKey, attribute={ ActivationDate='0000000043B7B630', ProcessStartDate='0000000043B7B630', ProtectStopDate='000000005E0C7BB0', DeactivationDate='000000005E0C7BB0' }
5	Locate In: attributes={ Name={ NameValue='rekeyKey', NameType='00000001' } } Out: uuidNewKey

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6	Destroy In: uuidKey Out: uuidKey
7	Destroy In: uuidNewKey Out: uuidNewKey

9.5 Use-case: Obtain Lease for Expired Key

Create a symmetric key with a specific name and obtain a lease. Revoke the key with state "Compromised" and re-key the key. Try to obtain a lease on the old key which fails. Locate the new key with the original name. Get the new key and obtain a lease.

Time	Client A	Client B
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C', Name={ NameValue='rekeyKey', NameType='00000001' }, ActivationDate='2' } Out: objectType='00000002', uuidKey	
1	Get (symmetric key) In: uuidKey Out: objectType = '00000002', uuidKey, symmetricKey	
2	Obtain Lease In: uuidKey Out: uuidKey, leaseTime, lastChangeDate	
3		Revoke (symmetric key as compromised) In: uuidKey, RevocationReason='00000002', CompromiseOccurrenceDate='6' Out: uuidKey
4		Rekey In: uuidKey, offset='0' Out: uuidNewKey
5	Obtain Lease In: uuidKey Out: Operation Failed, Permission Denied	

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6	Locate (symmetric key) In: attributes={ Name={ NameValue='rekeyKey', NameType='00000001' } } Out: uuidNewKey	
7	Get (symmetric key) In: uuidNewKey Out: objectType = '00000002', uuidNewKey, newSymmetricKey	
8	Obtain Lease In: uuidNewKey Out: uuidNewKey, leaseTime, lastChangeDate	
9	Destroy In: uuidKey Out: uuidKey	
10	Destroy In: uuidNewKey Out: uuidNewKey	

10 Archival

These use-cases test archiving and locating keys using the off-line indicator. If the server performs the Archive and Recover operations asynchronously, the client Polls the server until the operations complete. The client indicates in the request that it supports asynchronous responses.

10.1 Use-case: Create a Key, Archive and Recover it

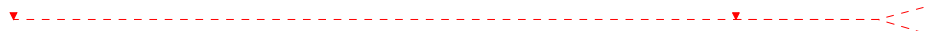
Create a symmetric key with a specified name, then use Locate to find the key and get the key. Archive the key (asynchronous operation, use Poll until it completes) and use Get and Locate on it, but both fail. Add the Storage Status Mask to the Locate-command, indicating to the server to search in both online and archived storage. The Locate finds the key. Recover the key from the archive (also asynchronous), both Locate and Get succeed.

Time	Client A
0	Create (symmetric key) In: objectType='00000002', attributes={ CryptographicAlgorithm='AES', CryptographicLength='128', CryptographicUsageMask='0000000C', Name={ NameValue='archiveKey', NameType='00000001' } } Out: objectType='00000002', uuidKey
1	Locate In: attributes={ Name={ NameValue='archiveKey', NameType='00000001' } } Out: uuidKey
2	Get (symmetric key)

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	In: uuidKey Out: objectType = '00000002', uuidKey, symmetricKey
3	Archive In: uuidKey, asynchronousIndicator='true' Out: asynchronousCorrelationValue
4	Poll* In: asynchronousCorrelationValue Out: uuidKey
5	Get (symmetric key) In: uuidKey Out: Operation Failed, Item Not Found
6	Locate In: attributes={ Name={ NameValue='archiveKey', NameType='00000001' } } Out: Operation Failed, Item Not Found
7	Locate In: storageStatusMask='00000003', attributes={ Name={ NameValue='archiveKey', NameType='00000001' } } Out: uuidKey
8	Recover In: uuidKey, asynchronousIndicator='true' Out: asynchronousCorrelationValue
9	Poll* In: asynchronousCorrelationValue Out: uuidKey
10	Get (symmetric key) In: uuidKey Out: objectType = '00000002', uuidKey, symmetricKey
11	Destroy In: uuidKey Out: uuidKey



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Mark Schiller, HP
Jitendra Singh, Brocade Communications Systems, Inc.
Servesch Singh, EMC Corporation
Sandy Stewart, Sun Microsystems
Marcus Streets, Thales e-Security
Brett Thompson, SafeNet, Inc.
Benjamin Tomhave, Individual
Sean Turner, IECA, Inc.
Paul Turner, Venafi, Inc.
Marko Vukolic, IBM
Rod Wideman, Quantum Corporation
Steven Wierenga, HP
Peter Yee, EMC Corporation
Krishna Yellepeddy, IBM
Peter Zelechowski, Election Systems & Software

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B. Revision History

Revision	Date	Editor	Changes Made
ed-0.98	2009-04-28	Mathias Björkqvist	Initial conversion of input document to OASIS format.
ed-0.98	2009-08-06	Mathias Björkqvist	Changes to layout and message content to reflect the recent changes to the KMIP specification, added descriptions to the use-cases for which they were missing.
ed-0.98	2009-09-28	Mathias Björkqvist	Updated messages and TTLV encodings to conform with KMIP specification ed-0.98 rev 17.
draft-01	2009-10-08	Mathias Björkqvist	Removed normative words “must”, “shall”, “required”, “will” and “can”; updated messages and TTLV encodings to conform to KMIP specification ed-0.98 rev 19; added normative references; added minor edits
draft-02	2009-10-15	Mathias Björkqvist	Replaced the TBDs, changed status to Committee Draft, changed use-cases to use protocol major version 1 and minor version 0
draft-03	2009-10-15	Mathias Björkqvist	Corrected names of TC chairs
draft-04	2009-11-05	Mathias Björkqvist	Added list of participants, added reference to Profiles document, line spacing change to list of original contributors, added related documents
cd-05	2009-11-06	Mathias Björkqvist	Changes to various naming aspects on front page and document footer. This is the tentative version for public review.
<u>cd-06</u>	<u>2009-11-12</u>	<u>Mathias Björkqvist</u>	<u>Updated tags.</u>

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Page 6: [1] Deleted **Mathias Björkqvist** **11/12/2009 11:49 AM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt, Decrypt)

Page 6: [2] Deleted **Mathias Björkqvist** **11/12/2009 11:50 AM**
42007501000001204200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000010000000042000F01000000D842005A050000000400000010000000042007601000000C04200550500000004000000020000000042008E01000000A8420008010000003042000A07000001743727970746F6772617068696320416C676F726974686D0042000B050000000400000003042000A070000003042000A070000001443727970746F67726170686963204C656E677468000000042000B020000000400000008000000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B020000000400000000C00000000

Page 7: [3] Deleted **Mathias Björkqvist** **11/12/2009 11:51 AM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0731C (Mon Sep 28 10:26:04 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 46eca90a-4b20-423c-b968-750f299f0ca7

Page 7: [4] Deleted **Mathias Björkqvist** **11/12/2009 11:50 AM**
42007801000000C0420077010000004842006701000000204200680200000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0731C42000D0200000004000000010000000042000F010000006842005A0500000004000000010000000042007C0500000004000000000000000000042007901000000404200550500000004000000020000000420091070000002434366563613930612D346232302D343233632D623936382D37353066323939663063613700000000

Page 7: [5] Deleted **Mathias Björkqvist** **11/12/2009 11:51 AM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 46eca90a-4b20-423c-b968-750f299f0ca7

Page 7: [6] Deleted	Mathias Björkqvist	11/12/2009 11:52 AM
420075010000009042007401000000384200670100000020420068020000000400000001000000004200690200000004000000000000000042000D0200000004000000010000000042000F010000004842005A05000000040000014000000004200760100000030420091070000002434366563613930612D346232302D343233632D623936382D37353066323939663063613700000000		

Page 7: [7] Deleted	Mathias Björkqvist	11/12/2009 11:52 AM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0731D (Mon Sep 28 10:26:05 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 46eca90a-4b20-423c-b968-750f299f0ca7		

Page 7: [8] Deleted	Mathias Björkqvist	11/12/2009 11:52 AM
42007801000000B042007701000000484200670100000020420068020000000400000001000000004200690200000004000000000000000042008F0900000008000000004AC0731D42000D0200000004000000010000000042000F010000005842005A05000000040000000140000000042007C050000000400000000000000004200790100000030420091070000002434366563613930612D346232302D343233632D623936382D37353066323939663063613700000000		

Page 8: [9] Deleted	Mathias Björkqvist	11/12/2009 11:52 AM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000006 (Template) Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1 Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: Tag: Application Namespace (0x420003), Type: Text String (0x07), Data: ssl Tag: Application Data (0x420002), Type: Text String (0x07), Data: www.example.com Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: demonstration		

Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Templatel
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
(Uninterpreted text string)

Page 9: [10] Deleted **Mathias Björkqvist** **11/12/2009 11:53 AM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0731E (Mon Sep 28 10:26:06 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fc3f473-4de4-4248-990e-21e00f7fc006

Page 9: [11] Deleted **Mathias Björkqvist** **11/12/2009 11:53 AM**

42007801000000B042007701000000484200670100000020420068020000000400000001000000004200690200000040000000000000000042008F0900000008000000004AC0731E42000D020000000400000001000000004200F010000005842005A0500000004000000030000000042007C050000000400000000000000420079010000030420091070000002434666333663437332D346465342D343234382D393930652D3231653030663766633030600000000

Page 10: [12] Deleted **Mathias Björkqvist** **11/12/2009 11:53 AM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Name (0x420051), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Templatel
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
(Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x0000000C (Encrypt, Decrypt)

Page 10: [13] Deleted **Mathias Björkqvist** **11/12/2009 11:53 AM**

42007501000001504200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F010000010842005A050000000400000010000000042007601000000F04200550500000004000000020000000042008E01000000D842005101000

00028420053070000000954656D706C6174653100000000000000420052050000000400000001000000004200
08010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B0500000
004000000030000000420008010000003042000A070000001443727970746F67726170686963204C656E6774
680000000042000B02000000040000008000000000420008010000003042000A070000001843727970746F677
26170686963205573616765204D61736B42000B02000000040000000C00000000

Page 10: [14] Deleted	Mathias Björkqvist	11/12/2009 11:54 AM
Tag: Response Message (0x420078), Type: Structure (0x01), Data:		
Tag: Response Header (0x420077), Type: Structure (0x01), Data:		
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:		
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)		
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0731F (Mon Sep 28 10:26:07 CEST 2009)		
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:		
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)		
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)		
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:		
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)		
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell19896608		

Page 10: [15] Deleted	Mathias Björkqvist	11/12/2009 11:53 AM
42007801000000C04200770100000048420067010000002042006802000000040000000100000000420069020 00000040000000000000000042008F0900000008000000004AC0731F42000D0200000004000000010000000042 000F010000006842005A0500000004000000010000000042007C0500000004000000000000000042007901000 00040420055050000000040000000200000000420091070000002433303038383163382D353936612D34386164 2D383134662D37636531313938393636303800000000		

Page 11: [16] Deleted	Mathias Björkqvist	11/12/2009 11:54 AM
Tag: Request Message (0x420075), Type: Structure (0x01), Data:		
Tag: Request Header (0x420074), Type: Structure (0x01), Data:		
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:		
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)		
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:		
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)		
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:		
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell19896608		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose		

Page 11: [17] Deleted	Mathias Björkqvist	11/12/2009 11:54 AM
42007501000001084200740100000038420067010000002042006802000000040000000100000000420069020 00000040000000000000000042000D0200000004000000010000000042000F01000000C042005A050000000400 00000B0000000042007601000000A8420091070000002433303038383163382D353936612D343861642D38313 4662D3763653131393839363630380000000042000A0700000000C4F626A6563742047726F7570000000004200 0A07000000204170706C69636174696F6E20537065636966696320496E666F726D6174696F6E42000A0700000 013436F6E7461637420496E666F726D6174696F6E000000000042000A0700000009782D507572706F73650000 0000000000		

Page 11: [18] Deleted	Mathias Björkqvist	11/12/2009 11:54 AM
Tag: Response Message (0x420078), Type: Structure (0x01), Data:		
Tag: Response Header (0x420077), Type: Structure (0x01), Data:		
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:		
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)		
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0731F (Mon Sep 28 10:26:07 CEST 2009)		

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell9896608
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Application Specific Information
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Application Namespace (0x420003), Type: Text String (0x07), Data: ssl
 Tag: Application Data (0x420002), Type: Text String (0x07), Data: www.example.com
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Joe
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-Purpose
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: demonstration

Page 12: [19] Deleted	Mathias Björkqvist	11/12/2009 11:54 AM
420078010000001B04200770100000048420067010000002042006802000000040000000100000000420069020 000000400000000000000042008F0900000008000000004AC0731F42000D020000000400000001000000004 000F0100000015842005A05000000040000000B0000000042007C050000000400000000000000042007901000 00130420091070000002433303038383163382D353936612D343861642D383134662D37636531313938393636 30380000000042008010000002842000A070000000C4F626A6563742047726F75700000000042000B0700000 00647726F757031000042008010000005842000A07000000204170706C69636174696F6E2053706563696669 6320496E666F726D6174696F6E42000B0100000028420003070000000373736C0000000000420002070000000 F777772E6578616D706C652E636F6D00420008010000003042000A0700000013436F6E7461637420496E666F 726D6174696F6E000000000042000B07000000034A6F65000000000420008010000003042000A07000000097 82D507572706F736500000000000042000B070000000D64656D6F6E7374726174696F6E000000		

Page 12: [20] Deleted	Mathias Björkqvist	11/12/2009 11:55 AM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell9896608		

Page 12: [21] Deleted	Mathias Björkqvist	11/12/2009 11:55 AM
420075010000000904200740100000038420067010000002042006802000000040000000100000000420069020 00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400 000014000000004200760100000030420091070000002433303038383163382D353936612D343861642D38313 4662D37636531313938393636303800000000		

Page 12: [22] Deleted	Mathias Björkqvist	11/12/2009 11:55 AM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07320 (Mon Sep 28 10:26:08 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)		

Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 300881c8-596a-48ad-814f-7cell19896608

Page 12: [23] Deleted **Mathias Björkqvist** **11/12/2009 11:55 AM**
42007801000000B0420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732042000D0200000004000000010000000042
000F010000005842005A0500000004000000140000000042007C050000000400000000000000042007901000
00030420091070000002433303038383163382D353936612D343861642D383134662D37636531313938393636
303800000000

Page 13: [24] Deleted **Mathias Björkqvist** **11/12/2009 11:56 AM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fc3f473-4de4-4248-990e-21e00f7fc006

Page 13: [25] Deleted **Mathias Björkqvist** **11/12/2009 11:56 AM**
4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400
00001400000000420076010000003042009107000000243466633663437332D346465342D343234382D39393
0652D32316530306637666330303600000000

Page 13: [26] Deleted **Mathias Björkqvist** **11/12/2009 11:56 AM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07320 (Mon Sep 28 10:26:08 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fc3f473-4de4-4248-990e-21e00f7fc006

Page 13: [27] Deleted **Mathias Björkqvist** **11/12/2009 11:56 AM**
42007801000000B0420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732042000D0200000004000000010000000042
000F010000005842005A0500000004000000140000000042007C050000000400000000000000042007901000
0003042009107000000243466633663437332D346465342D343234382D393930652D32316530306637666330
303600000000

Page 14: [28] Deleted **Mathias Björkqvist** **11/12/2009 11:56 AM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:

Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002
 (Symmetric Key)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
 (Uninterpreted text string)

Page 15: [33] Deleted **Mathias Björkqvist** **11/12/2009 11:58 AM**

42007501000000D04200740100000038420067010000002042006802000000040000000100000000420069020
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 0000042000B0500000004000000020000000420008010000003842000A07000000044E616D65000000004200
 0B010000002042005307000000044B657931000000042005205000000040000000100000000

Page 16: [34] Deleted **Mathias Björkqvist** **11/12/2009 11:58 AM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07321 (Mon Sep
 28 10:26:09 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 75da9bc9-7867-
 49c5-886d-757f3d523d3f

Page 16: [35] Deleted **Mathias Björkqvist** **11/12/2009 11:58 AM**

42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020
 000000400000000000000000042008F0900000008000000004AC0732142000D0200000004000000010000000042
 000F010000005842005A0500000004000000080000000042007C050000000400000000000000042007901000
 00030420091070000002437356461396263392D373836372D343963352D383836642D37353766336435323364
 336600000000

Page 16: [36] Deleted **Mathias Björkqvist** **11/12/2009 11:58 AM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 75da9bc9-7867-
 49c5-886d-757f3d523d3f

Page 16: [37] Deleted **Mathias Björkqvist** **11/12/2009 11:59 AM**

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00000A000000004200760100000030420091070000002437356461396263392D373836372D343963352D38383
6642D37353766336435323364336600000000

Page 17: [38] Deleted	Mathias Björkqvist	11/12/2009 11:59 AM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07322 (Mon Sep 28 10:26:10 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 75da9bc9-7867-49c5-886d-757f3d523d3f
Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
Tag: Key Value (0x420043), Type: Structure (0x01), Data:
Tag: Key Material (0x420041), Type: Octet String (0x08), Data: EAD09734B085DFFE
Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000001 (DES)
Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000038
(56)

Page 17: [39] Deleted	Mathias Björkqvist	11/12/2009 11:59 AM
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Page 17: [40] Deleted	Mathias Björkqvist	11/12/2009 12:01 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 75da9bc9-7867-49c5-886d-757f3d523d3f

Page 17: [41] Deleted	Mathias Björkqvist	11/12/2009 12:01 PM
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4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D020000004000000010000000042000F010000004842005A050000000400
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6642D37353766336435323364336600000000

Page 17: [42] Deleted	Mathias Björkqvist	11/12/2009 12:01 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07322 (Mon Sep 28 10:26:10 CEST 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)

Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x420079), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 75da9bc9-7867-49c5-886d-757f3d523d3f

Page 18: [43] Deleted **Mathias Björkqvist** **11/12/2009 12:03 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:

Tag: Request Header (0x420074), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)

Tag: Request Payload (0x420076), Type: Structure (0x01), Data:

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier

Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: 75da9bc9-7867-49c5-886d-757f3d523d3f

Page 18: [44] Deleted **Mathias Björkqvist** **11/12/2009 12:03 PM**

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Page 19: [45] Deleted **Mathias Björkqvist** **11/12/2009 12:11 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:

Tag: Request Header (0x420074), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:

Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)

Tag: Request Payload (0x420076), Type: Structure (0x01), Data:

Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000006 (Template)

Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm

Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length

Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)

Tag: Attribute (0x420008), Type: Structure (0x01), Data:

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name

Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:

Tag: Name Value (0x420053), Type: Text String (0x07), Data: Template1

Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

Page 19: [46] Deleted **Mathias Björkqvist** **11/12/2009 12:11 PM**

420075010000013042007401000000384200670100000020420068020000000400000001000000004200690200000040000000000000000042000D0200000004000000010000000042000F01000000E842005A05000000040000030000000042007601000000D04200550500000004000000060000000042008E01000000B842000801000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B0500000004000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000

00042000B02000000040000008000000000420008010000004042000A07000000044E616D65000000042000B
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Page 21: [47] Deleted	Mathias Björkqvist	11/12/2009 12:12 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Name (0x420051), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Templatel
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Foo

Page 21: [48] Deleted	Mathias Björkqvist	11/12/2009 12:12 PM
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42007501000001584200740100000038420067010000002042006802000000040000000100000000420069020
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Page 21: [49] Deleted	Mathias Björkqvist	11/12/2009 12:12 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07324 (Mon Sep 28 10:26:12 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d

Page 21: [50] Deleted	Mathias Björkqvist	11/12/2009 12:12 PM
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2D383164642D39613139393934376534376400000000

Page 22: [51] Deleted	Mathias Björkqvist	11/12/2009 12:12 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Order Option (0x420010), Type: Boolean (0x06), Data: TRUE
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
01F76942FF5A7A8A
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002
(Symmetric Key)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
(Uninterpreted text string)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
3192EDD439D59CC4
Tag: Request Payload (0x420076), Type: Structure (0x01), Data: null

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420075010000001204200740100000048420067010000002042006802000000040000000100000000420069020
000000400000000000000000420010060000000800000000000000142000D0200000004000000020000000042
000F010000009842005A050000000400000008000000000000420090080000000801F76942FF5A7A8A42007601000
00070420008010000002842000A070000000B4F626A656374205479706500000000042000B05000000040000
000200000000420008010000003842000A07000000044E616D650000000042000B01000000204200530700000
0044B65793100000004200520500000004000000010000000042000F010000002842005A0500000004000000
0A0000000042009008000000083192EDD439D59CC44200760100000000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07324 (Mon Sep
28 10:26:12 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
01F76942FF5A7A8A
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-
4d8c-81dd-9a199947e47d
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
3192EDD439D59CC4
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:

Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d

Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:

Tag: Key Block (0x42003E), Type: Structure (0x01), Data:

Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001

Tag: Key Value (0x420043), Type: Structure (0x01), Data:

Tag: Key Material (0x420041), Type: Octet String (0x08), Data: 5C7B76DC93EF45FD9231522EB2CE7B0A

Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES)

Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080 (128)

Page 23: [54] Deleted	Mathias Björkqvist	11/12/2009 12:13 PM
42007801000001A0420077010000004842006701000000204200680200000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0732442000D020000000400000002000000004200F010000006842005A05000000040000000800000000420090080000000801F76942FF5A7A8A42007C050000000400000000000000042007901000000030420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000042000F01000000D842005A05000000040000000A0000000042009008000000083192EDD439D59CC442007C05000000040000000000000042007901000000A042005505000000040000000200000000420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000042008C010000005842003E010000000504200400500000004000000100000000420043010000001842004108000000105C7B76DC93EF45FD9231522EB2CE7B0A420026050000000400000030000000042002802000000040000008000000000		

Page 23: [55] Deleted	Mathias Björkqvist	11/12/2009 12:13 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data:		
Tag: Request Header (0x420074), Type: Structure (0x01), Data:		
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:		
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)		
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:		
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)		
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:		
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d		

Page 23: [56] Deleted	Mathias Björkqvist	11/12/2009 12:13 PM
4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F010000004842005A05000000040000000000000004200760100000030420091070000002437666261303834392D613363322D346438632D383164642D39613139393934376534376400000000		

Page 24: [57] Deleted	Mathias Björkqvist	11/12/2009 12:14 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data:		
Tag: Response Header (0x420077), Type: Structure (0x01), Data:		
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:		
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)		
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07325 (Mon Sep 28 10:26:13 CEST 2009)		
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)		
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:		
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)		
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)		
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:		
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length		
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm		

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Digest
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Initial Date
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage

Mask

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Last Changed Date

Page 24: [58] Deleted **Mathias Björkqvist** **11/12/2009 12:13 PM**

42007801000001D0420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732542000D0200000004000000010000000042
000F010000017842005A05000000040000000C0000000042007C050000000400000000000000042007901000
00150420091070000002437666261303834392D613363322D346438632D383164642D39613139393934376534
37640000000042000A070000001443727970746F67726170686963204C656E6774680000000042000A0700000
01743727970746F6772617068696320416C676F726974686D0042000A0700000005537461746500000042000A
0700000006446967657374000042000A070000000C496E697469616C20446174650000000042000A070000001
1556E69717565204964656E7469666965720000000000000042000A07000000044E616D650000000042000A07
0000001843727970746F67726170686963205573616765204D61736B42000A070000000B4F626A65637420547
9706500000000042000A0700000013436F6E7461637420496E666F726D6174696F6E00000000042000A0700
0000114C617374204368616E676564204461746500000000000000

Page 24: [59] Deleted **Mathias Björkqvist** **11/12/2009 12:14 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information

Page 24: [60] Deleted **Mathias Björkqvist** **11/12/2009 12:14 PM**

42007501000000C0420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000007842005A050000000400
00000B0000000004200760100000060420091070000002437666261303834392D613363322D383164642D3961313939393437653437640000000042000A07000000044E616D650000000042000A0700000013436F
6E7461637420496E666F726D6174696F6E0000000000

Page 25: [61] Deleted **Mathias Björkqvist** **11/12/2009 12:14 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07325 (Mon Sep 28 10:26:13 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
(Uninterpreted text string)

Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Contact Information
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Foo

Page 25: [62] Deleted **Mathias Björkqvist** **11/12/2009 12:14 PM**
4200780100000128420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC073254200D0200000004000000010000000042
000F01000000D042005A05000000040000000B0000000042007C050000000400000000000000042007901000
000A8420091070000002437666261303834392D613363322D346438632D383164642D39613139393934376534
376400000000420008010000003842000A07000000044E616D650000000042000B01000000204200530700000
0044B657931000000042005205000000040000000100000000420008010000003042000A0700000013436F6E
7461637420496E666F726D6174696F6E00000000042000B0700000003466F6F000000000

Page 26: [63] Deleted **Mathias Björkqvist** **11/12/2009 12:15 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
290C75CAE59F3908
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-
4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
BF48C307C95CC22E
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-
4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

Page 26: [64] Deleted **Mathias Björkqvist** **11/12/2009 12:15 PM**
4200750100000160420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D0200000004000000020000000042000F010000008842005A050000000400
00000D000000004200900800000008290C75CAE59F390842007601000000060420091070000002437666261303
834392D613363322D346438632D383164642D39613139393934376534376400000000420008010000000284200
0A0700000000C782D617474726962757465310000000042000B070000000656616C756531000042000F0100000
08842005A05000000040000000D00000000420090080000008BF48C307C95CC22E42007601000000060420091
070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000
0420008010000002842000A070000000C782D617474726962757465320000000042000B070000000656616C75
65320000

Page 26: [65] Deleted **Mathias Björkqvist** **11/12/2009 12:15 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07326 (Mon Sep
28 10:26:14 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
290C75CAE59F3908
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)

Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: BF48C307C95CC22E
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

Page 27: [66] Deleted	Mathias Björkqvist	11/12/2009 12:16 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute) Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 42C6D3ED5BFE4F34 Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute) Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: A391110F7716FCFD Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2		

Page 27: [67] Deleted	Mathias Björkqvist	11/12/2009 12:16 PM
42007501000001704200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000020000000042000F010000009042005A0500000004000000E000000042009080000000842C6D3ED5BFE4F344200760100000068420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000420008010000003042000A070000000C782D617474726962757465310000000042000B070000000E4D6F64696669656456616C75653100042000F010000009042005A05000000040000000E0000000420090800000008A391110F7716FCFD4200760100000068420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000420008010000003042000A070000000C782D617474726962757465320000000042000B070000000E4D6F64696669656456616C7565320000		

Page 28: [68] Deleted	Mathias Björkqvist	11/12/2009 12:16 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07326 (Mon Sep 28 10:26:14 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)		

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 42C6D3ED5BFE4F34
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: A391110F7716FCFD
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

Page 28: [69] Deleted **Mathias Björkqvist** **11/12/2009 12:16 PM**

42007801000001A0420077010000004842006701000000204200680200000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0732642000D020000000400000002000000004200F01000000A042005A05000000040000000E00000000420090080000000842C6D3ED5BFE4F3442007C0500000040000000000000004200790100000068420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000042008010000003042000A070000000C782D61747472696275746531000000042000B070000000E4D6F64696669656456616C75653100004200F01000000A042005A05000000040000000E000000004200900800000008A391110F7716FCFD42007C050000000400000000000000004200790100000068420091070000002437666261303834392D613363322D346438632D383164642D3961313939393437653437640000000042008010000003042000A070000000C782D617474726962757465320000000042000B070000000E4D6F64696669656456616C7565320000

Page 29: [70] Deleted **Mathias Björkqvist** **11/12/2009 12:17 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: FB10B7D6A5F8F02F
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 3B5C2DE222A01A87
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2

Page 29: [71] Deleted **Mathias Björkqvist** **11/12/2009 12:17 PM**

4200750100000130420074010000003842006701000000204200680200000004000000010000000042006902000000400000000000000042000D0200000004000000020000000042000F010000007042005A0500000004000000F000000004200900800000008FB10B7D6A5F8F02F4200760100000048420091070000002437666261303

834392D613363322D346438632D383164642D3961313939393437653437640000000042000A070000000C782D
617474726962757465310000000042000F010000007042005A05000000040000000F000000004200900800000
0083B5C2DE222A01A874200760100000048420091070000002437666261303834392D613363322D346438632D
383164642D3961313939393437653437640000000042000A070000000C782D617474726962757465320000000
0

Page 29: [72] Deleted	Mathias Björkqvist	11/12/2009 12:17 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07327 (Mon Sep 28 10:26:15 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: FB10B7D6A5F8F02F
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 3B5C2DE222A01A87
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

Page 30: [73] Deleted	Mathias Björkqvist	11/12/2009 12:17 PM
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42007801000001A04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000000000000004AC0732742000D020000000400000002000000042
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00004000000000000000004200790100000068420091070000002437666261303834392D613363322D34643863
2D383164642D3961313939393437653437640000000042008010000003042000A070000000C782D617474726
96275746531000000042000B070000000E4D6F64696669656456616C756531000042000F01000000A042005A
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04200790100000068420091070000002437666261303834392D613363322D346438632D383164642D39613139
39393437653437640000000042008010000003042000A070000000C782D61747472696275746532000000004
2000B070000000E4D6F64696669656456616C7565320000

Page 30: [74] Deleted	Mathias Björkqvist	11/12/2009 12:17 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-4d8c-81dd-9a199947e47d

Page 30: [75] Deleted	Mathias Björkqvist	11/12/2009 12:17 PM
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4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D020000004000000010000000042000F010000004842005A050000000400
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4642D39613139393934376534376400000000

Page 30: [76] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07327 (Mon Sep
28 10:26:15 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-
4d8c-81dd-9a199947e47d

Page 30: [77] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

42007801000000B0420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732742000D020000004000000010000000042
000F010000005842005A0500000004000000140000000042007C0500000004000000000000000042007901000
00030420091070000002437666261303834392D613363322D346438632D383164642D39613139393934376534
376400000000

Page 31: [78] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 7fba0849-a3c2-
4d8c-81dd-9a199947e47d

Page 31: [79] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020
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4642D39613139393934376534376400000000

Page 31: [80] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07327 (Mon Sep
28 10:26:15 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000001 (Failed)
Tag: Result Reason (0x42007B), Type: Enumeration (0x05), Data: 0x00000001 (Item Not
Found)
Tag: Result Message (0x42007A), Type: Text String (0x07), Data: No Cryptographic
Object found with given Unique Identifier

Page 31: [81] Deleted **Mathias Björkqvist** **11/12/2009 12:18 PM**

42007801000000D04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732742000D0200000004000000010000000042
000F010000007842005A05000000040000000A0000000042007C05000000040000000042007B05000
00004000000010000000042007A070000003A4E6F2043727970746F67726170686963204F626A65637420666F
756E64207769746820676976656E20556E69717565204964656E746966696572000000000000

Page 32: [82] Deleted **Mathias Björkqvist** **11/12/2009 12:19 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8383198b-4600-4388-955f-2802cc699e9c

Page 32: [83] Deleted **Mathias Björkqvist** **11/12/2009 12:19 PM**
42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020
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000014000000004200760100000030420091070000002438333833313938622D343630302D343338382D39353
5662D32383032636336393965396300000000

Page 32: [84] Deleted **Mathias Björkqvist** **11/12/2009 12:19 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07327 (Mon Sep 28 10:26:15 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8383198b-4600-4388-955f-2802cc699e9c

Page 32: [85] Deleted **Mathias Björkqvist** **11/12/2009 12:19 PM**
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0732742000D0200000004000000010000000042
000F010000005842005A0500000004000000140000000042007C0500000004000000000000000042007901000
00030420091070000002438333833313938622D343630302D343338382D393535662D32383032636336393965
396300000000

Page 32: [86] Deleted **Mathias Björkqvist** **11/12/2009 12:20 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8383198b-4600-4388-955f-2802cc699e9c

Page 33: [87] Deleted **Mathias Björkqvist** **11/12/2009 12:21 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07327 (Mon Sep 28 10:26:15 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000001 (Failed)
 Tag: Result Reason (0x42007B), Type: Enumeration (0x05), Data: 0x00000001 (Item Not Found)
 Tag: Result Message (0x42007A), Type: Text String (0x07), Data: No Cryptographic Object found with given Unique Identifier

Page 33: [88] Deleted **Mathias Björkqvist** **11/12/2009 12:21 PM**

42007801000000D042007701000000484200670100000020420068020000000400000001000000004200690200000040000000000000000042008F0900000008000000004AC0732742000D020000000400000001000000004200F010000007842005A05000000040000000A0000000042007C0500000004000000010000000042007B0500000040000000010000000042007A070000003A4E6F2043727970746F67726170686963204F626A65637420666F756E64207769746820676976656E20556E69717565204964656E746966696572000000000000

Page 34: [89] Deleted **Mathias Björkqvist** **11/12/2009 12:25 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
 Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
 Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
 Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
 Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
 Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1

Page 34: [90] Deleted **Mathias Björkqvist** **11/12/2009 12:25 PM**

42007501000001904200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000010000000042000F010000014842005A050000000400000010000000042007601000001304200550500000004000000020000000042008E010000011842000801000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B050000000400000030030000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B02000000040000000800000000420008010000003842000A070000000044E616D65000000042000B010000002042005307000000044B657931000000004200520500000004000000010000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B020000000400000004

00000000420008010000002842000A070000000C4F626A6563742047726F75700000000042000B070000000647726F7570310000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781B (Mon Sep 28 10:47:23 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c

Page 35: [92] Deleted	Mathias Björkqvist	11/12/2009 12:25 PM
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420078010000000C042007701000000484200670100000020420068020000000400000001000000004200690200000040000000000000000042008F0900000008000000004AC0781B42000D020000000400000001000000004200F010000006842005A0500000004000000010000000042007C050000000400000000000000042007901000004042005505000000040000000200000000420091070000002438623936313231312D393763372D343061362D383636342D65643333343931646162356300000000

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Asynchronous Indicator (0x420007), Type: Boolean (0x06), Data: TRUE
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1

Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

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420075010000000E04200740100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042007060000000800000000000000142000D020000000400000001000000004200F010000008842005A0500000004000000080000000042007601000000070420080100000002842000A070000000B4F626A656374205479706500000000042000B050000000400000002000000042008010000003842000A07000000044E616D65000000042000B010000002042005307000000044B6579310000000042005205000000040000000100000000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781C (Mon Sep 28 10:47:24 CEST 2009)

Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000002 (Pending)
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data:
D1DE142AC6367B4B

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4200780100000088420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0781C42000D0200000004000000010000000042
000F010000003042005A0500000004000000080000000042007C0500000004000000020000000042000608000
00008D1DE142AC6367B4B

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000001A (Poll)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data:
D1DE142AC6367B4B

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781C (Mon Sep
28 10:47:24 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-
40a6-8664-ed33491dab5c

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-
40a6-8664-ed33491dab5c

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4200750100000090420074010000003842006701000000204200680200000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400
00000A000000000420076010000000304200910700000002438623936313231312D393763372D343061362D38363
6342D65643333343931646162356300000000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781D (Mon Sep 28 10:47:25 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c
 Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
 Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
 Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
 Tag: Key Value (0x420043), Type: Structure (0x01), Data:
 Tag: Key Material (0x420041), Type: Octet String (0x08), Data: A1DF7B733D8DF7056623FE2D880EF62C
 Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080 (128)

Page 38: [102] Deleted	Mathias Björkqvist	11/12/2009 12:27 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Asynchronous Indicator (0x420007), Type: Boolean (0x06), Data: TRUE Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Group Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Group1		

Page 38: [103] Deleted	Mathias Björkqvist	11/12/2009 12:27 PM
42007501000000D0420074010000004842006701000000204200680200000004000000010000000042006902000000400000000000000004200706000000080000000000000014200D02000000400000001000000004200F010000007842005A050000000400000008000000004200760100000006042008010000000284200A07000000B4F626A65637420547970650000000004200B05000000040000000200000004200801000000284200A070000000C4F626A6563742047726F757000000004200B070000000647726F7570310000		

Page 38: [104] Deleted	Mathias Björkqvist	11/12/2009 12:28 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781D (Mon Sep 28 10:47:25 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000002 (Pending) Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: 2DCF4F694617FC30		

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000001A (Poll)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data:
2DCF4F694617FC30

Page 39: [106] Deleted	Mathias Björkqvist	11/12/2009 12:28 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781D (Mon Sep 28 10:47:25 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c

Page 39: [107] Deleted	Mathias Björkqvist	11/12/2009 12:28 PM
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42007801000000B0420077010000004842006701000000204200680200000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0781D42000D0200000004000000010000000042007C0500000004000000000000004200790100000030420091070000002438623936313231312D393763372D343061362D383636342D65643333343931646162356300000000

Page 40: [108] Deleted	Mathias Björkqvist	11/12/2009 12:28 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c

Page 40: [109] Deleted	Mathias Björkqvist	11/12/2009 12:28 PM
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420075010000009042007401000000384200670100000020420068020000000400000001000000004200690200000040000000000000042000D0200000004000000010000000042000F010000004842005A0500000004000000A000000004200760100000030420091070000002438623936313231312D393763372D343061362D383636342D65643333343931646162356300000000

Page 40: [110] Deleted	Mathias Björkqvist	11/12/2009 12:29 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781D (Mon Sep 28 10:47:25 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)

Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c
 Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
 Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
 Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
 Tag: Key Value (0x420043), Type: Structure (0x01), Data:
 Tag: Key Material (0x420041), Type: Octet String (0x08), Data: A1DF7B733D8DF7056623FE2D880EF62C
 Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES)
 Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080 (128)

Page 40: [111] Deleted	Mathias Björkqvist	11/12/2009 12:29 PM
420078010000012042007701000000484200670100000020420068020000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0781D4200D0200000040000001000000004200F01000000C842005A0500000040000000A000000042007C0500000040000000000000042007901000000A0420055050000004000000020000000420091070000002438623936313231312D393763372D343061362D383636342D656433333439316461623563000000042008C010000005842003E010000005042004005000000400000001000000042004301000000184200410800000010A1DF7B733D8DF7056623FE2D880EF62C420026050000004000000030000000420028020000004000000800000000		

Page 41: [112] Deleted	Mathias Björkqvist	11/12/2009 12:29 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Asynchronous Indicator (0x420007), Type: Boolean (0x06), Data: TRUE Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1 Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)		

Page 41: [113] Deleted	Mathias Björkqvist	11/12/2009 12:29 PM
42007501000000E042007401000000484200670100000020420068020000004000000010000000042006902000000400000000000000042007060000008000000000000014200D0200000040000001000000004200F010000008842005A0500000040000000800000000420076010000007042008010000002842000A07000000B4F626A65637420547970650000000004200B0500000040000002000000042008010000003842000A07000000044E616D6500000004200B010000002042005307000000044B65793100000004200520500000040000000100000000		

Page 41: [114] Deleted	Mathias Björkqvist	11/12/2009 12:29 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0781E (Mon Sep 28 10:47:26 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)		

Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000002 (Pending)
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: D48BDD01A8FFEC80

Page 42: [115] Deleted **Mathias Björkqvist** **11/12/2009 12:33 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000019 (Cancel)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: D48BDD01A8FFEC80

Page 42: [116] Deleted **Mathias Björkqvist** **11/12/2009 12:33 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0781F (Mon Sep 28 10:47:27 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000019 (Cancel)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Asynchronous Correlation Value (0x420006), Type: Octet String (0x08), Data: D48BDD01A8FFEC80
Tag: Cancellation Result (0x420012), Type: Enumeration (0x05), Data: 0x00000001 (Cancelled)

Page 42: [117] Deleted **Mathias Björkqvist** **11/12/2009 12:33 PM**
42007801000000A0420077010000004842006701000000204200680200000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0781F42000D020000000400000001000000004200F010000004842005A0500000004000000190000000042007C0500000004000000000000000420079010000020420060800000008D48BDD01A8FFEC80420012050000000400000000100000000

Page 43: [118] Deleted **Mathias Björkqvist** **11/12/2009 12:33 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c

Page 43: [119] Deleted **Mathias Björkqvist** **11/12/2009 12:33 PM**
420075010000009042007401000000384200670100000020420068020000004000000010000000042006902000000400000000000000042000D020000000400000001000000004200F010000004842005A05000000040000001400000004200760100000030420091070000002438623936313231312D393763372D343061362D383636342D65643333343931646162356300000000

Page 43: [120] Deleted **Mathias Björkqvist** **11/12/2009 12:34 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781F (Mon Sep 28 10:47:27 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 8b961211-97c7-40a6-8664-ed33491dab5c

Page 43: [121] Deleted	Mathias Björkqvist	11/12/2009 12:33 PM
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0781F42000D020000000400000001000000004200F010000005842005A05000000040000000140000000042007C05000000040000000000000004200790100000030420091070000002438623936313231312D393763372D343061362D383636342D65643333343931646162356300000000		

Page 44: [122] Deleted	Mathias Björkqvist	11/12/2009 12:34 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data: Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data: Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1 Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string) Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)		

Page 44: [123] Deleted	Mathias Björkqvist	11/12/2009 12:34 PM
42007501000001604200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F010000011842005A050000000400000010000000042007601000001004200550500000004000000020000000042008E01000000E8420008010000003042000A070000001743727970746F6772617068696320416C676F726974686D0042000B050000000400000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E6774680000000042000B020000000400000008000000000420008010000003842000A07000000044E616D65000000042000B010000002042005307000000044B6579310000000420052050000004000000010000000420008010000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000400000000		

Page 45: [124] Deleted	Mathias Björkqvist	11/12/2009 12:34 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data:		

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0781F (Mon Sep 28 10:47:27 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

Page 45: [125] Deleted	Mathias Björkqvist	11/12/2009 12:34 PM
42007801000000C0420077010000004842006701000000204200680200000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0781F42000D020000000400000001000000004200F010000006842005A0500000004000000010000000042007C050000000400000000000000042007901000004042005505000000040000000200000000420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432363200000000		

Page 45: [126] Deleted	Mathias Björkqvist	11/12/2009 12:34 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State		

Page 45: [127] Deleted	Mathias Björkqvist	11/12/2009 12:35 PM
42007501000000A042007401000000384200670100000020420068020000004000000010000000042006902000000400000000000000042000D020000000400000001000000004200F010000005842005A0500000004000000B000000004200760100000040420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000042000A07000000055374617465000000		

Page 46: [128] Deleted	Mathias Björkqvist	11/12/2009 12:35 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07820 (Mon Sep 28 10:47:28 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262 Tag: Attribute (0x420008), Type: Structure (0x01), Data: Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000001 (Pre-Active)		

Page 46: [129] Deleted	Mathias Björkqvist	11/12/2009 12:35 PM
42007801000000D842007701000000484200670100000020420068020000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0782042000D0200000004000000010000000042		

000F010000008042005A05000000040000000B0000000042007C050000000400000000000000042007901000
0005842009107000000243333364633962392D386537332D346666362D613337622D34323336396635613432
36320000000420008010000002042000A070000000553746174650000042000B05000000040000000100000
000

Page 46: [130] Deleted **Mathias Björkqvist** **11/12/2009 12:35 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)

Page 46: [131] Deleted **Mathias Björkqvist** **11/12/2009 12:35 PM**

42007501000000C04200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000007842005A050000000400
00000D00000000420076010000006042009107000000243333364633962392D386537332D346666362D61333
7622D3432333639663561343236320000000420008010000002842000A070000000F41637469766174696F6E
20446174650042000B09000000080000000000000000000002

Page 47: [132] Deleted **Mathias Björkqvist** **11/12/2009 12:35 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07820 (Mon Sep 28 10:47:28 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)

Page 47: [133] Deleted **Mathias Björkqvist** **11/12/2009 12:35 PM**

42007801000000E04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782042000D0200000004000000010000000042
000F010000008842005A05000000040000000D0000000042007C050000000400000000000000042007901000
0006042009107000000243333364633962392D386537332D346666362D613337622D34323336396635613432
36320000000420008010000002842000A070000000F41637469766174696F6E20446174650042000B0900000
00800000000000000000000002

Page 47: [134] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)

Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State

Page 47: [135] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**
42007501000000A04200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000005842005A050000000400
00000B000000004200760100000040420091070000002433333364633962392D386537332D346666362D61333
7622D3432333639663561343236320000000042000A07000000055374617465000000

Page 48: [136] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07820 (Mon Sep
28 10:47:28 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002
(Active)

Page 48: [137] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**
42007801000000D84200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782042000D0200000004000000010000000042
000F0100000008042005A05000000040000000B0000000042007C0500000000400000000000000042007901000
00058420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432
363200000000420008010000002042000A0700000005537461746500000042000B0500000004000000020000
000

Page 48: [138] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002
(Symmetric Key)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001
(Uninterpreted text string)

Page 48: [139] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**
42007501000000D04200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000008842005A050000000400
000008000000004200760100000070420008010000002842000A070000000B4F626A656374205479706500000

0000042000B05000000040000000200000000420008010000003842000A07000000044E616D65000000004200
0B010000002042005307000000044B6579310000000042005205000000040000000100000000

Page 49: [140] Deleted **Mathias Björkqvist** **11/12/2009 12:37 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07821 (Mon Sep 28 10:47:29 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

Page 49: [141] Deleted **Mathias Björkqvist** **11/12/2009 12:36 PM**

42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020
000000400000000000000042008F09000000008000000004AC0782142000D020000004000000010000000042
000F010000005842005A0500000004000000080000000042007C05000000040000000000000042007901000
0003042009107000000243333364633962392D386537332D346666362D613337622D34323336396635613432
363200000000

Page 49: [142] Deleted **Mathias Björkqvist** **11/12/2009 12:37 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

Page 49: [143] Deleted **Mathias Björkqvist** **11/12/2009 12:37 PM**

42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400
0000A00000000420076010000003042009107000000243333364633962392D386537332D346666362D61333
7622D34323336396635613432363200000000

Page 50: [144] Deleted **Mathias Björkqvist** **11/12/2009 12:37 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07821 (Mon Sep 28 10:47:29 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
Tag: Key Value (0x420043), Type: Structure (0x01), Data:

Tag: Key Material (0x420041), Type: Octet String (0x08), Data:
E6C15B28BB6C7A268E9ADEA471A36F23
Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data:
0x00000003 (AES)
Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080
(128)

Page 50: [145] Deleted	Mathias Björkqvist	11/12/2009 12:37 PM
4200780100000120420077010000004842006701000000204200680200000040000000100000000420069020 00000040000000000000000042008F0900000008000000004AC0782142000D0200000004000000010000000042 000F01000000C842005A05000000040000000A0000000042007C0500000004000000000000000042007901000 000A04200550500000004000000020000000042009107000000243333364633962392D386537332D34666636 2D613337622D343233363966356134323632000000042008C010000005842003E01000000504200400500000 004000000010000000042004301000000184200410800000010E6C15B28BB6C7A268E9ADEA471A36F23420026 0500000004000000030000000042002802000000040000008000000000		

Page 50: [146] Deleted	Mathias Björkqvist	11/12/2009 12:37 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000013 (Revoke) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73- 4ff6-a37b-42369f5a4262 Tag: Revocation Reason (0x42007E), Type: Structure (0x01), Data: Tag: Revocation Reason Code (0x42007F), Type: Enumeration (0x05), Data: 0x00000002 (Key Compromise) Tag: Compromise Occurrence Date (0x42001F), Type: Date-Time (0x09), Data: 0x0000000000000006 (Thu Jan 01 01:00:06 CET 1970)		

Page 50: [147] Deleted	Mathias Björkqvist	11/12/2009 12:38 PM
42007501000000B8420074010000003842006701000000204200680200000040000000100000000420069020 00000040000000000000000042000D0200000004000000010000000042000F010000007042005A050000000400 00001300000000420076010000005842009107000000243333364633962392D386537332D346666362D61333 7622D343233363966356134323632000000042007E010000001042007F050000000400000002000000004200 1F09000000080000000000000000		

Page 51: [148] Deleted	Mathias Björkqvist	11/12/2009 12:38 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07822 (Mon Sep 28 10:47:30 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000013 (Revoke) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73- 4ff6-a37b-42369f5a4262		

Page 51: [149] Deleted	Mathias Björkqvist	11/12/2009 12:38 PM
42007801000000B0420077010000004842006701000000204200680200000040000000100000000420069020 00000040000000000000000042008F0900000008000000004AC0782242000D0200000004000000010000000042 000F010000005842005A0500000004000000130000000042007C0500000004000000000000000042007901000 0003042009107000000243333364633962392D386537332D346666362D613337622D34323336396635613432 363200000000		

Page 51: [150] Deleted **Mathias Björkqvist** **11/12/2009 12:38 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State

Page 51: [151] Deleted **Mathias Björkqvist** **11/12/2009 12:38 PM**
42007501000000A04200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000010000000042000F010000005842005A0500000004000000B000000004200760100000040420091070000002433333364633962392D386537332D3466666362D613337622D3432333639663561343236320000000042000A07000000055374617465000000

Page 51: [152] Deleted **Mathias Björkqvist** **11/12/2009 12:38 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07822 (Mon Sep 28 10:47:30 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000004 (Compromised)

Page 53: [153] Deleted **Mathias Björkqvist** **11/12/2009 12:39 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07822 (Mon Sep 28 10:47:30 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000C (Get Attribute List)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Compromise Occurrence Date
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Compromise Date
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Digest
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Initial Date
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date

Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Revocation Reason
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Unique Identifier
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage
Mask
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Last Changed Date

Page 53: [154] Deleted **Mathias Björkqvist** **11/12/2009 12:39 PM**

42007801000002284200770100000048420067010000002042006802000000040000000100000000420069020
0000004000000000000000042008F090000000800000004AC0782242000D020000004000000010000000042
000F01000001D042005A05000000040000000C0000000042007C05000000040000000000000042007901000
001A8420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432
36320000000042000A070000001443727970746F67726170686963204C656E6774680000000042000A0700000
01743727970746F6772617068696320416C676F726974686D0042000A0700000005537461746500000042000A
070000001A436F6D70726F6D697365204F6363757272656E636520446174650000000000042000A07000000
F436F6D70726F6D69736520446174650042000A0700000006446967657374000042000A070000000C496E6974
69616C2044617465000000042000A070000000F41637469766174696F6E20446174650042000A07000000115
265766F636174696F6E20526561736F6E000000000000042000A0700000011556E69717565204964656E7469
66696572000000000000042000A07000000044E616D650000000042000A070000001843727970746F6772617
0686963205573616765204D61736B42000A070000000B4F626A656374205479706500000000042000A070000
00114C617374204368616E676564204461746500000000000000

Page 53: [155] Deleted **Mathias Björkqvist** **11/12/2009 12:39 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State

Page 53: [156] Deleted **Mathias Björkqvist** **11/12/2009 12:39 PM**

42007501000000A04200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000005842005A050000000400
00000B000000004200760100000040420091070000002433333364633962392D386537332D346666362D61333
7622D3432333639663561343236320000000042000A07000000055374617465000000

Page 54: [157] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07822 (Mon Sep 28 10:47:30 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000B (Get Attributes)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: State
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000004 (Compromised)

Page 54: [158] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

42007801000000D84200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782242000D0200000004000000010000000042
000F010000008042005A05000000040000000B0000000042007C05000000040000000000000042007901000
00058420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432
363200000000420008010000002042000A0700000005537461746500000042000B0500000004000000040000
000

Page 54: [159] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
5CD7C98FC5B52FF7
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-
4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
F0CB35D89BB9D251
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-
4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

Page 54: [160] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

42007501000001604200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000020000000042000F010000008842005A050000000400
00000D0000000004200908000000085CD7C98FC5B52FF742007601000000604200910700000002433333364633
962392D386537332D346666362D613337622D343233363966356134323632000000042000801000000284200
0A070000000C782D617474726962757465310000000042000B070000000656616C756531000042000F0100000
08842005A05000000040000000D0000000042009080000008F0CB35D89BB9D2514200760100000060420091
07000000243333364633962392D386537332D346666362D613337622D343233363966356134323632000000
0420008010000002842000A070000000C782D61747472696275746532000000042000B070000000656616C75
65320000

Page 55: [161] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07823 (Mon Sep
28 10:47:31 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data:
5CD7C98FC5B52FF7
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-
4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)

Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: F0CB35D89BB9D251
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: Value2

Page 55: [162] Deleted **Mathias Björkqvist** **11/12/2009 12:40 PM**

4200780100000190420077010000004842006701000000204200680200000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782342000D02000000400000002000000042000F010000009842005A0500000040000000D0000000042009008000000085CD7C98FC5B52FF742007C0500000040000000000000004200790100000060420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000420008010000002842000A070000000C782D61747472696275746531000000042000B070000000656616C756531000042000F010000009842005A0500000040000000D000000004200900800000008F0CB35D89BB9D25142007C050000004000000000000004200790100000060420091070000002433333364633962392D386537332D346666362D613337622D343233363966356134323632000000420008010000002842000A070000000C782D61747472696275746532000000042000B070000000656616C7565320000

Page 56: [163] Deleted **Mathias Björkqvist** **11/12/2009 12:41 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: C06597C23C952144
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 3D9CF6E0445252B8
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

Page 56: [164] Deleted **Mathias Björkqvist** **11/12/2009 12:41 PM**

420075010000017042007401000000384200670100000020420068020000004000000010000000042006902000000400000000000000042000D020000004000000042000F010000009042005A0500000004000000E00000004200900800000008C06597C23C9521444200760100000068420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000420008010000003042000A070000000E4D6F64696669656456616C756531000042000F010000009042005A0500000040000000E00000004200900800000083D9CF6E0445252B84200760100000068420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000420008010000003042000A070000000C782D61747472696275746532000000042000B07000000E4D6F64696669656456616C7565320000

Page 57: [165] Deleted **Mathias Björkqvist** **11/12/2009 12:41 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:

Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07823 (Mon Sep 28 10:47:31 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: C06597C23C952144
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 3D9CF6E0445252B8
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

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42007801000001A04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782342000D020000000400000002000000004200F01000000A042005A05000000040000000E000000004200900800000008C06597C23C95214442007C05000000400000000000000004200790100000068420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432363200000004200801000000304200A070000000C782D6174747269627574653100000004200B07000000E4D6F64696669656456616C75653100004200F01000000A042005A05000000040000000E0000000042009008000000083D9CF6E0445252B842007C05000000040000000000000004200790100000068420091070000002433333364633962392D386537332D346666362D613337622D34323336396635613432363200000004200801000000304200A070000000C782D6174747269627574653200000004200B07000000E4D6F64696669656456616C7565320000

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 1A1B48172DF57ABC
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: B77FD0753B7C95ED
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2

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42007501000001304200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000020000000042000F010000007042005A05000000040000000000000042009008000000081A1B48172DF57ABC4200760100000048420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000042000A070000000C782D617474726962757465310000000042000F010000007042005A05000000040000000F000000004200900800000008B77FD0753B7C95ED4200760100000048420091070000002433333364633962392D386537332D346666362D613337622D3432333639663561343236320000000042000A070000000C782D6174747269627574653200000000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC07826 (Mon Sep 28 10:47:34 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: 1A1B48172DF57ABC
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute1
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue1
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000F (Delete Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: B77FD0753B7C95ED
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-attribute2
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: ModifiedValue2

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42007801000001A0420077010000004842006701000000204200680200000004000000010000000042006902000000400000000000000042008F0900000008000000004AC0782642000D0200000004000000020000000042000F01000000A042005A05000000040000000F0000000042009008000000081A1B48172DF57ABC42007C0500000040000000000000004200790100000068420091070000000243333364633962392D386537332D346666362D613337622D34323336396635613432363200000000420008010000003042000A070000000C782D617474726962757465310000000042000B070000000E4D6F64696669656456616C756531000042000F01000000A042005A05000000040000000F000000004200900800000008B77FD0753B7C95ED42007C050000000400000000000000000004200790100000068420091070000000243333364633962392D386537332D346666362D613337622D34323336396635613432363200000000420008010000003042000A070000000C782D617474726962757465320000000042000B070000000E4D6F64696669656456616C7565320000

Page 59: [171] Deleted	Mathias Björkqvist	11/12/2009 12:42 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:

Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

Page 59: [172] Deleted **Mathias Björkqvist** **11/12/2009 12:42 PM**
42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400
00000A000000004200760100000030420091070000002433333364633962392D386537332D3466666362D61333
7622D34323336396635613432363200000000

Page 59: [173] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07827 (Mon Sep
28 10:47:35 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric
Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-
4ff6-a37b-42369f5a4262
Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
Tag: Key Value (0x420043), Type: Structure (0x01), Data:
Tag: Key Material (0x420041), Type: Octet String (0x08), Data:
E6C15B28BB6C7A268E9ADEA471A36F23
Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data:
0x00000003 (AES)
Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080
(128)

Page 59: [174] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
42007801000001204200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782742000D0200000004000000010000000042
000F01000000C842005A05000000040000000A0000000042007C0500000004000000000000000042007901000
000A042005505000000040000000200000000420091070000002433333364633962392D386537332D346666636
2D613337622D3432333639663561343236320000000042008C010000005842003E01000000504200400500000
004000000010000000042004301000000184200410800000010E6C15B28BB6C7A268E9ADEA471A36F23420026
0500000004000000030000000042002802000000040000008000000000

Page 60: [175] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-
4ff6-a37b-42369f5a4262

Page 60: [176] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400
000014000000004200760100000030420091070000002433333364633962392D386537332D3466666362D61333
7622D34323336396635613432363200000000

Page 60: [177] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07827 (Mon Sep 28 10:47:35 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 333dc9b9-8e73-4ff6-a37b-42369f5a4262

Page 60: [178] Deleted **Mathias Björkqvist** **11/12/2009 12:43 PM**
42007801000000B042007701000000484200670100000020420068020000000400000001000000004200690200000040000000000000000042008F0900000008000000004AC0782742000D020000000400000001000000004200F010000005842005A0500000004000000140000000042007C050000000400000000000000042007901000003042009107000000243333364633962392D386537332D346666362D613337622D34323336396635613432363200000000

Page 61: [179] Deleted **Mathias Björkqvist** **11/12/2009 12:44 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Algorithm
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Length
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000080 (128)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)

Page 61: [180] Deleted **Mathias Björkqvist** **11/12/2009 12:44 PM**
42007501000001604200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F010000011842005A050000000400000010000000042007601000001004200550500000004000000020000000042008E01000000E8420008010000030420091070000001743727970746F6772617068696320416C676F726974686D0042000B05000000040000000300000000420008010000003042000A070000001443727970746F67726170686963204C656E677468000000042000B0200000004000000800000000420008010000003842000A07000000044E616D65000000042000B010000002042005307000000044B6579310000000420052050000000400000001000000004200080100000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B02000000040000000400000000

Page 62: [181] Deleted	Mathias Björkqvist	11/12/2009 12:44 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07828 (Mon Sep 28 10:47:36 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000001 (Create)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 62: [182] Deleted	Mathias Björkqvist	11/12/2009 12:44 PM
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42007801000000C04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782842000D020000000400000001000000004200F010000006842005A0500000004000000010000000042007C050000000400000000000000420079010000004042005505000000040000000200000000420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000

Page 62: [183] Deleted	Mathias Björkqvist	11/12/2009 12:44 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: E1AE8A5206CC749A
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: C6CAA6E0C409336F
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Protect Stop Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x000000004AC07A80 (Mon Sep 28 10:57:36 CEST 2009)

Page 62: [184] Deleted	Mathias Björkqvist	11/12/2009 12:44 PM
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42007501000001684200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042008F090000000800000000E1AE8A5206CC749A42007601000000060420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000420080100000002842000A070000000F41637469766174696F6E20446174650042000B090000000800000000000000242000F010000009042005A05000000040000000D000000004200900800000008C6CAA6E0C409336F4200760100000068420091070000002434666563336135392D623231372D346162662D383461642D6166313534373032343631350000000420080100000003042000A070000001150726F746563742053746F7020446174650000000000000042000B090000008000000004AC07A80

Page 63: [185] Deleted **Mathias Björkqvist** **11/12/2009 12:45 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC07828 (Mon Sep 28 10:47:36 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000002 (2)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: E1AE8A5206CC749A
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Activation Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x0000000000000002 (Thu Jan 01 01:00:02 CET 1970)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Unique Batch Item ID (0x420090), Type: Octet String (0x08), Data: C6CAA6E0C409336F
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Protect Stop Date
Tag: Attribute Value (0x42000B), Type: Date-Time (0x09), Data: 0x000000004AC07A80 (Mon Sep 28 10:57:36 CEST 2009)

Page 63: [186] Deleted **Mathias Björkqvist** **11/12/2009 12:45 PM**
4200780100000198420077010000004842006701000000204200680200000040000000100000000420069020
000000400000000000000042008F0900000008000000004AC0782842000D02000000400000002000000042
000F01000009842005A0500000040000000D000000004200900800000008E1AE8A5206CC749A42007C05000
000040000000000000004200790100000060420091070000002434666563336135392D623231372D34616266
2D383461642D61666313534373032343631350000000420008010000002842000A070000000F4163746976617
469F6E20446174650042000B090000000800000000000000242000F01000000A042005A0500000004000000
0D00000004200900800000008C6CAA6E0C409336F42007C05000000040000000000000000420079010000006
8420091070000002434666563336135392D623231372D346162662D383461642D6166631353437303234363135
00000000420008010000003042000A070000001150726F746563742053746F70204461746500000000000004
2000B09000000800000004AC07A80

Page 64: [187] Deleted **Mathias Björkqvist** **11/12/2009 12:45 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Usage Limits
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Usage Limits Total Bytes (0x420095), Type: Big Integer (0x04), Data: 03E8 (1000)

Page 64: [188] Deleted **Mathias Björkqvist** **11/12/2009 12:45 PM**
42007501000000C8420074010000003842006701000000204200680200000040000000100000000420069020
0000004000000000000000042000D020000004000000010000000042000F010000008042005A050000000400

Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782A (Mon Sep 28 10:47:38 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 65: [194] Deleted	Mathias Björkqvist	11/12/2009 12:46 PM
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F09000000008000000004AC0782A4200D020000000400000001000000004200F010000005842005A0500000004000000080000000042007C05000000040000000000000042007901000003042009107000000243466656336135392D623231372D346162662D383461642D61663135343730323436313500000000		

Page 66: [195] Deleted	Mathias Björkqvist	11/12/2009 12:47 PM
Tag: Request Message (0x420075), Type: Structure (0x01), Data: Tag: Request Header (0x420074), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Request Payload (0x420076), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615		

Page 66: [196] Deleted	Mathias Björkqvist	11/12/2009 12:47 PM
420075010000009042007401000000384200670100000020420068020000000400000001000000004200690200000040000000000000004200D020000000400000001000000004200F010000004842005A0500000004000000A00000000420076010000003042009107000000243466656336135392D623231372D346162662D383461642D61663135343730323436313500000000		

Page 66: [197] Deleted	Mathias Björkqvist	11/12/2009 12:47 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782A (Mon Sep 28 10:47:38 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key) Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615 Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data: Tag: Key Block (0x42003E), Type: Structure (0x01), Data: Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001 Tag: Key Value (0x420043), Type: Structure (0x01), Data: Tag: Key Material (0x420041), Type: Octet String (0x08), Data: 3D41DF1C5C20E272212D86D762A8C7D4 Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES) Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080		

Page 66: [198] Deleted **Mathias Björkqvist** **11/12/2009 12:47 PM**
42007801000001204200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782A42000D020000004000000010000000042
000F01000000C842005A05000000040000000A0000000042007C050000000400000000000000042007901000
000A042005505000000040000000200000000420091070000002434666563336135392D623231372D34616266
2D383461642D616631353437303234363135000000042008C010000005842003E01000000504200400500000
0040000000100000000420043010000001842004108000000103D41DF1C5C20E272212D86D762A8C7D4420026
0500000004000000030000000042002802000000040000008000000000

Page 67: [199] Deleted **Mathias Björkqvist** **11/12/2009 12:47 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Usage Limits Byte Count (0x420093), Type: Big Integer (0x04), Data: 01F4 (500)

Page 67: [200] Deleted **Mathias Björkqvist** **11/12/2009 12:47 PM**
42007501000000A04200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000005842005A050000000400
000011000000004200760100000040420091070000002434666563336135392D623231372D346162662D38346
1642D616631353437303234363135000000004200930400000008000000000000001F4

Page 67: [201] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0782A (Mon Sep 28 10:47:38 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 67: [202] Deleted **Mathias Björkqvist** **11/12/2009 12:47 PM**
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782A42000D020000004000000010000000042
000F010000005842005A05000000040000000110000000042007C050000000400000000000000042007901000
00030420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436
313500000000

Page 68: [203] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)

Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Usage Limits Byte Count (0x420093), Type: Big Integer (0x04), Data: 01F4 (500)

Page 68: [204] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
42007501000000A042007401000000384200670100000020420068020000000400000001000000004200690200000004000000000000000042000D0200000004000000010000000042000F010000005842005A05000000040000011000000004200760100000040420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000420093040000000800000000000001F4

Page 68: [205] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x00000004AC0782B (Mon Sep 28 10:47:39 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 68: [206] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
42007801000000B042007701000000484200670100000020420068020000000400000001000000004200690200000004000000000000000042008F09000000008000000004AC0782B42000D0200000004000000010000000042000F010000005842005A05000000040000000110000000042007C05000000040000000000000000420079010000030420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000

Page 69: [207] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Object Type
Tag: Attribute Value (0x42000B), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Name
Tag: Attribute Value (0x42000B), Type: Structure (0x01), Data:
Tag: Name Value (0x420053), Type: Text String (0x07), Data: Key1
Tag: Name Type (0x420052), Type: Enumeration (0x05), Data: 0x00000001 (Uninterpreted text string)

Page 69: [208] Deleted **Mathias Björkqvist** **11/12/2009 12:48 PM**
42007501000000D042007401000000384200670100000020420068020000000400000001000000004200690200000004000000000000000042000D0200000004000000010000000042000F010000008842005A0500000004000000800000000420076010000007042008010000002842000A070000000B4F626A656374205479706500000000042000B0500000004000000020000000042008010000003842000A07000000044E616D65000000004200B010000002042005307000000044B657931000000042005205000000040000000100000000

Page 69: [209] Deleted **Mathias Björkqvist** **11/12/2009 12:49 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782B (Mon Sep 28 10:47:39 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000008 (Locate)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 69: [210] Deleted	Mathias Björkqvist	11/12/2009 12:49 PM
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42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782B42000D020000000400000001000000004200F010000005842005A0500000004000000080000000042007C0500000004000000000000000420079010000030420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000

Page 70: [211] Deleted	Mathias Björkqvist	11/12/2009 12:49 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 70: [212] Deleted	Mathias Björkqvist	11/12/2009 12:49 PM
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42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F010000004842005A0500000004000000A000000004200760100000030420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000

Page 70: [213] Deleted	Mathias Björkqvist	11/12/2009 12:49 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782B (Mon Sep 28 10:47:39 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000A (Get)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
 Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
 Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
 Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
 Tag: Key Value (0x420043), Type: Structure (0x01), Data:
 Tag: Key Material (0x420041), Type: Octet String (0x08), Data: 3D41DF1C5C20E272212D86D762A8C7D4
 Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES)

Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080
(128)

Page 70: [214] Deleted	Mathias Björkqvist	11/12/2009 12:49 PM
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4200780100000120420077010000004842006701000000204200680200000040000000100000000420069020
0000004000000000000000042008F0900000008000000004AC0782B42000D020000004000000010000000042
000F01000000C842005A05000000040000000A0000000042007C050000000400000000000000042007901000
000A042005505000000040000000200000000420091070000002434666563336135392D623231372D34616266
2D383461642D6166313534373032343631350000000042008C010000005842003E01000000504200400500000
004000000010000000420043010000001842004108000000103D41DF1C5C20E272212D86D762A8C7D4420026
0500000004000000030000000042002802000000040000008000000000

Page 71: [215] Deleted	Mathias Björkqvist	11/12/2009 12:50 PM
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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615
Tag: Usage Limits Byte Count (0x420093), Type: Big Integer (0x04), Data: 01F4 (500)

Page 71: [216] Deleted	Mathias Björkqvist	11/12/2009 12:50 PM
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42007501000000A0420074010000003842006701000000204200680200000040000000100000000420069020
0000004000000000000000042000D0200000004000000010000000042000F010000005842005A050000000400
000011000000004200760100000040420091070000002434666563336135392D623231372D346162662D38346
1642D616631353437303234363135000000004200930400000008000000000000001F4

Page 71: [217] Deleted	Mathias Björkqvist	11/12/2009 12:50 PM
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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782B (Mon Sep 28 10:47:39 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000011 (Get Usage Allocation)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000001 (Failed)
Tag: Result Reason (0x42007B), Type: Enumeration (0x05), Data: 0x0000000C (Permission Denied)
Tag: Result Message (0x42007A), Type: Text String (0x07), Data: Unable to allocate requested byte amount

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42007801000000B8420077010000004842006701000000204200680200000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782B42000D020000004000000010000000042
000F010000006042005A0500000004000000110000000042007C0500000004000000010000000042007B05000
000040000000C0000000042007A0700000028556E61626C6520746F20616C6C6F636174652072657175657374
6564206279746520616D6F756E74

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 72: [220] Deleted **Mathias Björkqvist** **11/12/2009 12:51 PM**
Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782C (Mon Sep 28 10:47:40 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: 4fec3a59-b217-4abf-84ad-af1547024615

Page 72: [221] Deleted **Mathias Björkqvist** **11/12/2009 12:51 PM**
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782C42000D020000000400000001000000004200F010000005842005A0500000004000000140000000042007C05000000040000000000000004200790100000030420091070000002434666563336135392D623231372D346162662D383461642D61663135343730323436313500000000

Page 73: [222] Deleted **Mathias Björkqvist** **11/12/2009 12:51 PM**
Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Object Type (0x420055), Type: Enumeration (0x05), Data: 0x00000002 (Symmetric Key)
Tag: Template-Attribute (0x42008E), Type: Structure (0x01), Data:
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: Cryptographic Usage Mask
Tag: Attribute Value (0x42000B), Type: Integer (0x02), Data: 0x00000004 (Encrypt)
Tag: Symmetric Key (0x42008C), Type: Structure (0x01), Data:
Tag: Key Block (0x42003E), Type: Structure (0x01), Data:
Tag: Key Format Type (0x420040), Type: Enumeration (0x05), Data: 0x00000001
Tag: Key Value (0x420043), Type: Structure (0x01), Data:
Tag: Key Material (0x420041), Type: Octet String (0x08), Data: 0123456789ABCDEF0123456789ABCDEF
Tag: Cryptographic Algorithm (0x420026), Type: Enumeration (0x05), Data: 0x00000003 (AES)
Tag: Cryptographic Length (0x420028), Type: Integer (0x02), Data: 0x00000080 (128)

Page 73: [223] Deleted **Mathias Björkqvist** **11/12/2009 12:51 PM**
42007501000001104200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D020000000400000001000000004200F01000000C842005A0500000004000000300000000042007601000000B04200550500000004000000020000000042008E010000003842000801000003042000A070000001843727970746F67726170686963205573616765204D61736B42000B0200000004000000040000000042008C010000005842003E010000005042004005000000040000000100000000420043010000001842004108000000100123456789ABCDEF0123456789ABCDEF4200260500000004000000030000000042002802000000040000008000000000

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782C (Mon Sep 28 10:47:40 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000003 (Register)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-42c2-80bd-4e52f1ceb57b

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42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782C42000D020000000400000001000000004200790100000030420091070000002462623830363435332D356337352D343263322D383062642D34653532663163656235376200000000

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Tag: Request Message (0x420075), Type: Structure (0x01), Data:
 Tag: Request Header (0x420074), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-42c2-80bd-4e52f1ceb57b
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: unknown

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42007501000000C0420074010000003842006701000000204200680200000004000000010000000042006902000000400000000000000042000D0200000004000000010000000042000F010000007842005A050000000400000000000000420091070000002462623830363435332D356337352D343263322D383062642D3465353266316365623537620000000042008010000002842000A070000000A782D70726F76696465720000000000042000B0700000007756E6B6E6F776E00

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Tag: Response Message (0x420078), Type: Structure (0x01), Data:
 Tag: Response Header (0x420077), Type: Structure (0x01), Data:
 Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
 Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
 Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782E (Mon Sep 28 10:47:42 CEST 2009)
 Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
 Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
 Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000D (Add Attribute)
 Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
 Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
 Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-42c2-80bd-4e52f1ceb57b
 Tag: Attribute (0x420008), Type: Structure (0x01), Data:
 Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
 Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: unknown

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42007801000000E04200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782E42000D0200000004000000010000000042
000F010000008842005A05000000040000000D0000000042007C050000000400000000000000042007901000
00060420091070000002462623830363435332D356337352D343263322D383062642D34653532663163656235
37620000000042008010000002842000A070000000A782D70726F76696465720000000000042000B0700000
007756E6B6E6F776E00

Page 75: [230] Deleted **Mathias Björkqvist** **11/12/2009 12:52 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify
Attribute)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-
42c2-80bd-4e52f1ceb57b
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: third party

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42007501000000C84200740100000038420067010000002042006802000000040000000100000000420069020
00000040000000000000000042000D0200000004000000010000000042000F010000008042005A050000000400
0000E000000004200760100000068420091070000002462623830363435332D356337352D343263322D38306
2642D3465353266316365623537620000000042008010000003042000A070000000A782D70726F7669646572
00000000000042000B070000000B74686972642070617274790000000000

Page 75: [232] Deleted **Mathias Björkqvist** **11/12/2009 12:53 PM**

Tag: Response Message (0x420078), Type: Structure (0x01), Data:
Tag: Response Header (0x420077), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782E (Mon Sep
28 10:47:42 CEST 2009)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x0000000E (Modify
Attribute)
Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success)
Tag: Response Payload (0x420079), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-
42c2-80bd-4e52f1ceb57b
Tag: Attribute (0x420008), Type: Structure (0x01), Data:
Tag: Attribute Name (0x42000A), Type: Text String (0x07), Data: x-provider
Tag: Attribute Value (0x42000B), Type: Text String (0x07), Data: third party

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42007801000000E84200770100000048420067010000002042006802000000040000000100000000420069020
00000040000000000000000042008F0900000008000000004AC0782E42000D0200000004000000010000000042
000F010000009042005A05000000040000000E0000000042007C050000000400000000000000042007901000
00068420091070000002462623830363435332D356337352D343263322D383062642D34653532663163656235
37620000000042008010000003042000A070000000A782D70726F76696465720000000000042000B0700000
00B74686972642070617274790000000000

Page 76: [234] Deleted **Mathias Björkqvist** **11/12/2009 12:53 PM**

Tag: Request Message (0x420075), Type: Structure (0x01), Data:
Tag: Request Header (0x420074), Type: Structure (0x01), Data:
Tag: Protocol Version (0x420067), Type: Structure (0x01), Data:
Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1)

Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0)
Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1)
Tag: Batch Item (0x42000F), Type: Structure (0x01), Data:
Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy)
Tag: Request Payload (0x420076), Type: Structure (0x01), Data:
Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-42c2-80bd-4e52f1ceb57b

Page 76: [235] Deleted	Mathias Björkqvist	11/12/2009 12:53 PM
42007501000000904200740100000038420067010000002042006802000000040000000100000000420069020000004000000000000000042000D0200000004000000010000000042000F010000004842005A050000000400000014000000004200760100000030420091070000002462623830363435332D356337352D343263322D383062642D34653532663163656235376200000000		

Page 76: [236] Deleted	Mathias Björkqvist	11/12/2009 12:53 PM
Tag: Response Message (0x420078), Type: Structure (0x01), Data: Tag: Response Header (0x420077), Type: Structure (0x01), Data: Tag: Protocol Version (0x420067), Type: Structure (0x01), Data: Tag: Protocol Version Major (0x420068), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Protocol Version Minor (0x420069), Type: Integer (0x02), Data: 0x00000000 (0) Tag: Time Stamp (0x42008F), Type: Date-Time (0x09), Data: 0x000000004AC0782E (Mon Sep 28 10:47:42 CEST 2009) Tag: Batch Count (0x42000D), Type: Integer (0x02), Data: 0x00000001 (1) Tag: Batch Item (0x42000F), Type: Structure (0x01), Data: Tag: Operation (0x42005A), Type: Enumeration (0x05), Data: 0x00000014 (Destroy) Tag: Result Status (0x42007C), Type: Enumeration (0x05), Data: 0x00000000 (Success) Tag: Response Payload (0x420079), Type: Structure (0x01), Data: Tag: Unique Identifier (0x420091), Type: Text String (0x07), Data: bb806453-5c75-42c2-80bd-4e52f1ceb57b		

Page 76: [237] Deleted	Mathias Björkqvist	11/12/2009 12:53 PM
42007801000000B04200770100000048420067010000002042006802000000040000000100000000420069020000004000000000000000042008F0900000008000000004AC0782E42000D0200000004000000010000000042000F010000005842005A0500000004000000140000000042007C05000000040000000000000004200790100000030420091070000002462623830363435332D356337352D343263322D383062642D34653532663163656235376200000000		