CMIS Extension: Annotations

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Version history
Version 1.0 1/3/2014 initial draft
Version 2.0 5/19/2014 first revision
Version 2.1 8/21/2014 separated extensions

Abstract
This extension defines an optional set of properties and data types that represent annotations that are associated with a document but independent of the document content.

Extends
CMIS 1.1.

Motivation
A number of repositories that have CMIS server implementations support some notion of an annotation that is related to a document but is independent of the document content. This extension provides the means to model them so that a pure CMIS client can represent and create annotations without any repository-specific code.

1This type of annotation is distinct from those that are embedded directly in the content, such as comments in a PDF – this extension does not touch on these embedded annotations.
Specification

We define an annotation as having the following characteristics:
- a annotation is a dependent object. It has a single parent object and should be automatically deleted by the repository when that parent is deleted.
- TODO immediate parents for annotations?
- an annotation contains at least one content element, of any type, and may have associated metadata

**cmis:annotation**

The item type `cmis:annotation` represents a single comment. It MUST be defined as follows.

`cmis:annotation` extends `cmis:document`.

Every instance of `cmis:annotation` has the `cmis:dependentObject` secondary type, which captures the relationship between the annotation and the content to which it pertains. The secondary type cannot be removed from a annotation object. The repository MUST throw a constraint exception if the client attempts to remove `cmis:dependentObject` from a `cmis:annotation` instance. The repository MUST make the association automatically when creating a `cmis:annotation` instance; the client is not required to do so.

Extensions Definition

**CMIS 1.1**

Clients can detect if this extension is supported by inspecting the repository info.

The repository MUST provide the following feature extension in the repository info:

ID:  [http://docs.oasis-open.org/ns/cmis/extensions/annotation](http://docs.oasis-open.org/ns/cmis/extensions/annotation)

URL:  <URL to this document>

Common Name:  Annotations

Version Label:  1.0

Description:  Adds the item type `cmis:annotation`, which represents a comment about a document.

Additionally, the repository MAY add repository-specific key-value pairs to the feature extension.