

XDI Statements for XDI Graph Patterns

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This document contains the XDI statements (and, in two cases, the corresponding JSON serialization) corresponding to each of the example graphs in the XDI Graph Patterns document of the same date. See http://www.oasis-open.org/committees/documents.php?wg_abbrev=xdi for the latest version of both documents.

Root contexts and synonyms

XDI Statements

```
O/$O/(http://example.com/ox/=!0999.a7b2.25fd.c609)
O/$O/(=!0999.a7b2.25fd.c609)
O/O/(http://example.com/ox/=!0999.a7b2.25fd.c609)
O/O/(=!0999.a7b2.25fd.c609)
O/O/=abc
O/O/=!0999.a7b2.25fd.c609
=abc/$/=!0999.a7b2.25fd.c609
=!0999.a7b2.25fd.c609/O/+pea-patch
=!0999.a7b2.25fd.c609/O/+garden
=!0999.a7b2.25fd.c609/O/!1
=!0999.a7b2.25fd.c609+pea-patch/$/=!0999.a7b2.25fd.c609!1
=!0999.a7b2.25fd.c609+garden/$/=!0999.a7b2.25fd.c609!1
```

JSON Serialization (Proposed New Flat Format)

```
{
  "O/$O": [
    "(=!0999.a7b2.25fd.c609)",
    "(http://example.com/ox/=!0999.a7b2.25fd.c609)",
  ],
  "O/O": [
    "(http://example.com/ox/=!0999.a7b2.25fd.c609)",
    "(=!0999.a7b2.25fd.c609)",
  ]
}
```

```

    "=abc",
    "=!0999.a7b2.25fd.c609"
  ],
  "=abc/$": [
    "=!0999.a7b2.25fd.c609"
  ],
  "=!0999.a7b2.25fd.c609/()": [
    "+pea-patch",
    "+garden",
    "!1"
  ],
  "=!0999.a7b2.25fd.c609+pea-patch/$": [
    "=!0999.a7b2.25fd.c609!1"
  ],
  "=!0999.a7b2.25fd.c609+garden/$": [
    "=!0999.a7b2.25fd.c609!1"
  ]
}

```

Simple properties

XDI Statements

```

()()/=abc
=abc/+age!/(data:,,33)
=abc/()/+age
=abc+age/$d!/(data:,2010-10-10T11:12:13Z)
=abc+age/$v/=abc+age$v!2
=abc+age/()/ $v
=abc+age$v/!1/(data:,32)
=abc+age$v/!2/(=abc/+age!)
=abc+age$v/()/!1
=abc+age$v/()/!2
=abc+age$v!1/$d!/(data:,2010-09-09T10:11:12Z)

```

=abc+age\$v!2/\$d!/(data:,2010-10-10T11:12:13Z)

JSON Serialization (Proposed New Flat Format)

```
{
  "O/O": [
    "=abc"
  ],
  "=abc/+age!": [
    33
  ],
  "=abc/O": [
    "+age"
  ],
  "=abc+age/$d!": [
    "2010-10-10T11:12:13Z"
  ],
  "=abc+age/$v": [
    "=abc+age$v!2"
  ],
  "=abc+age/O": [
    "$v"
  ],
  "=abc+age$v/!1!": [
    32
  ],
  "=abc+age$v/!2!": [
    "(=abc/+age!)"
  ],
  "=abc+age$v/O": [
    "!1",
    "!2"
  ],
  "=abc+age$v!1/$d!": [
```

```
    "2010-09-09T10:11:12Z"  
  ],  
  "=abc+age$v!2/$d!": [  
    "2010-10-10T11:12:13Z"  
  ]  
}
```

Complex properties

XDI Statements

```
()/()/=abc  
=abc/()/+tel  
=abc+tel/!1!/(data:,+1.206.555.1111)  
=abc+tel/!2!/(data:,+1.206.555.2222)  
=abc+tel/*1!/2  
=abc+tel/*2!/1  
=abc+tel/+home!/1  
=abc+tel/+home+fax!/1  
=abc+tel/+work!/2  
=abc+tel/$v/=abc+tel$v!2  
=abc+tel/()/!1  
=abc+tel/()/!2  
=abc+tel/()/ $v  
=abc+tel!1/$d!/(data:,2010-11-11T11:11:11Z)  
=abc+tel!2/$d!/(data:,2010-12-22T22:22:22Z)  
=abc+tel$v/()/!1  
=abc+tel$v/()/!2  
=abc+tel$v!2/$/+abc+tel
```

Simple subjects

XDI Statements

```
()/()/=abc
```

=abc/()/+passport
=abc+passport/*1/=abc+passport!1
=abc+passport/*2/=abc+passport!2
=abc+passport/\$v/=abc+passport\$v!2
=abc+passport/()/!1
=abc+passport/()/!2
=abc+passport/()/0
=abc+passport/()/ \$v
=abc+passport!1/+country!/(data:,Canada)
=abc+passport!1/+number!/(data:,987654321)
=abc+passport!1/\$d!/(data:,2005-01-01T00:00:00Z)
=abc+passport!2/+country!/(data:,New%20Zealand)
=abc+passport!2/+number!/(data:,123456789)
=abc+passport!2/\$d!/(data:,2010-10-01T00:00:00Z)
=abc+passport()/()/!1
=abc+passport()/()/!2
=abc+passport()!1/\$d!/(data:,2010-11-11T11:11:11Z)
=abc+passport()!2/\$d!/(data:,2010-12-22T22:22:22Z)
=abc+passport\$v/()/!1
=abc+passport\$v/()/!2
=abc+passport\$v!2/\$/=abc+passport

Complex subjects

XDI Statements

()/()/=abc
=abc/+age!/(data:,33)
=abc/\$v/=abc\$v!2
=abc/()/+tel
=abc/()/+passport
=abc/()/!1
=abc/()/!2
=abc/()/0

=abc()/v
=abc()/!/1
=abc()/!/2
=abc()!1/\$d!/(data:,2010-11-11T11:11:11Z)
=abc()!2/\$d!/(data:,2010-12-22T22:22:22Z)
=abc\$v()/!1
=abc\$v()/!2
=abc\$v!2/\$/=abc

Social graphs

XDI Statements

()/\$()/ (=abc)
()/()/ (=abc)
()/()/ =abc
()/()/ =xyz
()/()/ (http://facebook.com)
()/()/ +seattle
=abc/+best+friend/ =xyz
=abc/+friend/ (http://facebook.com) =xyz
=abc/+teammate/+seattle+soccer =xyz
(http://facebook.com)/()/ =xyz
+seattle/()/ +soccer
+seattle+soccer/()/ +xyz

Link contracts

XDI Statements

()()/ =abc
=abc/+age!/(data:,33)
=abc\$v/=abc\$v!2
=abc()/ +tel
=abc()/ +passport
=abc()/!1

=abc!1/()/\$(
=abc!1/()/\$(do
=abc!1\$/\$/!(=abc/+age!)
=abc!1\$/\$/=abc+tel
=abc!1\$(do/()/!(=xyz)
=abc!1\$(do/()/\$(get
=abc!1\$(do/()/\$(add
=abc!1\$(do/()/\$(for
=abc!1\$(do\$(get/()/\$(
=abc!1\$(do\$(get\$/\$/=abc!1

Messages

XDI Statements

/()/!(=!0999.a7b2.25fd.c609)
/()/!(=!0999.a7b2.25fd.c609)
/()/!(=!0999.a7b2.25fd.c609
/()/!(=!0111.2222.3333.4444)
=!0999.a7b2.25fd.c609/()/\$(msg
=!0999.a7b2.25fd.c609\$(msg/()/!1234
=!0999.a7b2.25fd.c609\$(msg!1234/\$(d!/(data:,2010-12-22T22:22:22Z)
=!0999.a7b2.25fd.c609\$(msg!1234/()/!(=!0111.2222.3333.4444)
=!0999.a7b2.25fd.c609\$(msg!1234/()/\$(do
=!0999.a7b2.25fd.c609\$(msg!1234\$(do/()/\$(get
=!0999.a7b2.25fd.c609\$(msg!1234\$(do/()/\$(add
=!0999.a7b2.25fd.c609\$(msg!1234\$(do/()/\$(for