

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. For the latest version of both documents see:

<http://wiki.oasis-open.org/xdi/XdiGraphModel>

Although the statements in an XDI graph are not ordered, this document uses the following ordering convention for readability:

1. For each context starting with the root context, the subcontext statements (where the predicate is “()”) appear first.
2. Relational statements (where the predicate does not end in “!”) appear second.
3. Literal statements (where the predicate ends in “!”) appear third.

Root contexts and synonyms

XDI Statements

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

JSON Serialization

```
{
  "()/()": [
```

```

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

```

Simple properties

XDI Statements

O/O/=abc

=abc/O/+age

=abc/+age!/(data:,33)

=abc+age/O/\$v

=abc+age/\$v/=abc+age\$v!2

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

```

    "(=abc/+age!)"
  ],
  "=abc+age$v/!1!": [
    32
  ],
  "=abc+age$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
=abc+tel/()/!2
=abc+tel/()/v
=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/(data:,+1.206.555.1111)
=abc+tel/!2/(data:,+1.206.555.2222)
=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/\$is/=abc+tel

Simple subjects

XDI Statements

()/()/=abc
=abc/()/+passport
=abc+passport/()/!1
=abc+passport/()/!2
=abc+passport/()/()
=abc+passport/()/v
=abc+passport/*1/=abc+passport!1
=abc+passport/*2/=abc+passport!2
=abc+passport/v/=abc+passportv!2
=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+passportv/()/!1
=abc+passportv/()/!2
=abc+passportv!2/\$is/=abc+passport

Complex subjects

XDI Statements

()/()/=abc
=abc/()/+tel

=abc()/+passport
=abc()/!1
=abc()/!2
=abc()/0
=abc()/v
=abc/v/=abcv!2
=abc/+age!/(data:,33)
=abc()/!1
=abc()/!2
=abc()!1/\$d!/(data:,2010-11-11T11:11:11Z)
=abc()!2/\$d!/(data:,2010-12-22T22:22:22Z)
=abcv()/!1
=abcv()/!2
=abcv!2/\$is/=abc

Social graphs

XDI Statements

()/()(=abc)
()/()/=abc
()/()/=xyz
()/()(http://facebook.com)
()/()/+seattle
()/\$/is/(=abc)
=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

0/0/(=!1111)

0/0/=!1111

0/0/=!2222

0/0/=!3333

0/0/@!4444

0/0/=abc

0/\$is/(=!1111)

=abc/\$is/=!1111

=!1111/0/+tel

=!1111/0/+passport

=!1111/0/!1

=!1111/0/=!2222

=!1111/+age!/(data:,33)

=!1111!1/0/\$do

=!1111!1/(\$)/(=!1111/+age!)

=!1111!1/(\$)/=!1111+tel

=!1111!1\$do/\$get/=!1111!1

=!1111!1\$do/\$for/@!4444\$policy!1

=!1111!1\$do/\$is\$do/=!2222

=!1111!1\$do/\$is\$do/=!3333

=!1111=!2222/0/\$do

=!1111=!2222\$do/\$add/=!2222\$msg

=!1111=!2222\$do/\$is\$do/=!2222

=!2222/0/\$msg

@!4444/0/\$policy

@!4444\$policy/0/!1

@!4444\$policy!1/0/\$uri

Messages

XDI Statements

0/0/(=!1111)

0/0/=!1111

0/0/(=!2222)

0/0/=!2222

0/\$is/(=!1111)

=!1111/0/\$msg

=!1111\$msg/0/!1234

=!1111\$msg!1234/0/\$do

=!1111!1234/\$is0/(=!2222)

=!1111\$msg!1234/\$d!/(data:,2010-12-22T22:22:22Z)

=!1111\$msg!1234\$do/\$get/=!2222!1

=!2222/0/!1