

XDI Messaging V1.0

Working Draft 01

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Additional artifacts:

This prose specification is one component of a Work Product which also includes:

- publishing materials: <http://docs.oasis-open.org/templates/DocBook/spec-1.0/oasis-specification-1.0-wd01.zip>

Related work:

This document is primarily based on a set of proposals that had been collected by the OASIS XDI TC on its associated wiki at <https://wiki.oasis-open.org/xdi/>.

Abstract:

This working draft specifies the abstract pattern for all XDI messaging together with the binding to the http/https protocol for performing XDI operations using XDI messages.

Status:

This is a work in progress contributed to the OASIS TC administration and does not at this time represent the consensus of any particular OASIS Technical Committee. There are no plans to

make this a formal Committee Specification as it is merely an internal document made available to committee members to support the publishing process.

Citation format:

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1 Introduction

This working draft specifies the abstract pattern for all XDI messaging together with the binding to the http/https protocol for performing XDI operations using XDI messages..

This working draft builds on [\[xdi-core-1.0\]](#).

1.1 Terminology

1.1.1 Key words

The key words *must*, *must not*, *required*, *shall*, *shall not*, *should*, *should not*, *recommended*, *may*, and *optional* are to be interpreted as described in [\[RFC 2119\]](#). Note that for reasons of style, these words are not capitalized in this document.

1.2 Normative References

[\[xdi-core-1.0\]](#) OASIS Committee Draft 4.4 [XDI 1.0 core](#) [<http://www.xdi-core-1.0.com>] , OASIS January 27, 2005,

[\[RFC 2119\]](#) *Key words for use in RFCs to Indicate Requirement Levels*, March 1997. S. Bradner. IETF (Internet Engineering Task Force) RFC 2119, <http://www.ietf.org/rfc/rfc2119.txt>

1.3 Non-Normative References

[\[xdi-core-1.0\]](#) OASIS Committee Draft 4.4 [XDI 1.0 core](#) [<http://www.xdi-core-1.0.com>] , OASIS January 27, 2005,

2 XDI Messaging

Describe here how XDI Messaging provides the API for interacting with XDI graphs.

3 XDI Message Structure

Describe here the structure of XDI messages.

3.1 Message Envelopes

Describe here Message Envelopes

3.2 Messages

Describe here Messages

3.3 Operations

Describe here Operations

3.4 Target Addresses and Target Statements

Describe here Target Addresses and Target Statements

4 XDI Message Processing

4.1 Message ID

Describe here Message ID

4.2 Message Timestamp

Describe here Message Timestamp

4.3 Sending Peer

Describe here Sending Peer

4.4 Receiving Peer

Describe here Receiving Peer

4.5 Link Contract

Describe here Link Contract

4.6 Message Policy

Describe here Message Policy

4.7 Message Parameters

Describe here Message Parameters

4.8 Message Authentication

Describe here Message Authentication

5 XDI Operation Processing

5.1 \$get

Describe here \$get

5.2 \$set

Describe here \$set

5.3 \$del

Describe here \$del

5.4 \$do

Describe here \$do

6 Error Handling

Describe here Error Handling

7 Transactional Integrity

Describe here Transactional Integrity

8 HTTP/HTTPS Transport

8.1 HTTP Request

Describe here HTTP Request

8.2 HTTP Response

Describe here HTTP Response

Appendix A Acknowledgments (Non-Normative)

This specification was written with the generous and appreciated assistance of XXXXX.

Appendix B Dollar Words (Non-Normative)

This appendix contains formal definitions of the XDI dollar words introduced by this specification.

Appendix C Examples (Non-Normative)

This appendix contains XDI messaging examples.