

Service Metadata Publishing (SMP) Version 2.1

Committee Specification Draft 01

10 February 2023

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Additional artifacts:

This document is one component of a Work Product that also includes:

* XML schemas: <https://docs.oasis-open.org/bdxr/bdx-smp/v2.1/csd01/xsd/> and <https://docs.oasis-open.org/bdxr/bdx-smp/v2.1/csd01/xsdrt/>
* Model documentation: <https://docs.oasis-open.org/bdxr/bdx-smp/v2.1/csd01/mod/>

Related work:

This document replaces or supersedes:

replaces or supersedes:

* *Service Metadata Publishing (SMP) Version 1.0*. Edited by Jens Aabol, Kenneth Bengtsson, Erlend Klakegg Bergheim, Sander Fieten, and Sven Rasmussen. 01 August 2017. OASIS Standard. <http://docs.oasis-open.org/bdxr/bdx-smp/v1.0/os/bdx-smp-v1.0-os.html>.
* *Service Metadata Publishing (SMP) Version 2.0*. Edited by Kenneth Bengtsson, Erlend Klakegg Bergheim, Sander Fieten, and G. Ken Holman. OASIS Standard. Latest stage: <https://docs.oasis-open.org/bdxr/bdx-smp/v2.0/bdx-smp-v2.0.html>.

This document is related to:

* Related documents (hyperlink, if available) (remove "related" subsection if not used - instead of "N/A")

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* copied from SMP v2.0 – update as needed
* <http://docs.oasis-open.org/bdxr/ns/SMP/2/ServiceGroup>
* <http://docs.oasis-open.org/bdxr/ns/SMP/2/ServiceMetadata>
* <http://docs.oasis-open.org/bdxr/ns/SMP/2/AggregateComponents>
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* <http://docs.oasis-open.org/bdxr/ns/SMP/2/QualifiedDataTypes>
* <http://docs.oasis-open.org/bdxr/ns/SMP/2/UnqualifiedDataTypes>

Abstract:

This document describes a protocol for publishing service metadata within a 4-corner network. In a 4-corner network, entities are exchanging business documents through intermediary gateway services (sometimes called Access Points). To successfully send a business document in a 4-corner network, an entity must be able to discover critical metadata about the recipient of the business document, such as types of documents the recipient is capable of receiving and methods of transport supported. The recipient makes this metadata available to other entities in the network through a Service Metadata Publisher service. This specification describes the request/response exchanges between a Service Metadata Publisher and a client wishing to discover endpoint information. A client can either be an end-user business application or a gateway/access point in the 4-corner network. It also defines the request processing that must happen at the client.

Status:

This document was last revised or approved by the OASIS Business Document Exchange (BDXR) TC on the above date. The level of approval is also listed above. Check the "Latest stage" location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Technical Committee (TC) are listed at <https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=bdxr#technical>.

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Key words:

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [[RFC2119](#RFC2119)] and [[RFC8174](#RFC8174)] when, and only when, they appear in all capitals, as shown here.

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# Introduction

[All text is normative unless otherwise labeled]

## Changes from earlier Versions

[Optional section.]

This section provides a description of significant differences from previously published, differently numbered Versions of this specification, if any. (Detailed revision history of this numbered Version should be tracked in an Appendix.)

## Glossary

[Optional section.]

### Definitions of terms

[Optional section.]

### Acronyms and abbreviations

[Optional section.]

### Document conventions

[Optional section.]

* Naming conventions
* Font colors and styles
* Typographical conventions

# Section Title

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## Level 2 section title

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### Level 3 section title

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#### Level 4 section title

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##### Level 5

Avoid using more than five levels.

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[Required section.]

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[Required section.]

This appendix contains the normative and informative references that are used in this document.

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For example:

**[OpenDoc-1.2]**

Open Document Format for Office Applications (OpenDocument) Version 1.2. Edited by Patrick Durusau and Michael Brauer. 19 January 2011. OASIS Committee Specification Draft 07. https://docs.oasis-open.org/office/v1.2/csd07/OpenDocument-v1.2-csd07.html. Latest stage: https://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.html.

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* 1. Normative References

The following documents are referenced in such a way that some or all of their content constitutes requirements of this document.

[RFC2119]

Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.

[RFC8174]

Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <<https://www.rfc-editor.org/info/rfc8174>>.

[Reference]

[Full reference citation]

* 1. Informative References

The following referenced documents are not required for the application of this document but may assist the reader with regard to a particular subject area.

[RFC3552]

Rescorla, E. and B. Korver, "Guidelines for Writing RFC Text on Security Considerations", BCP 72, RFC 3552, DOI 10.17487/RFC3552, July 2003, <<https://www.rfc-editor.org/info/rfc3552>>.

[Reference]

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[Optional section.]

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[Required section.]

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[Optional section.]

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|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Editor** | **Changes Made** |
| [Rev number] | [Rev Date] | [Modified By] | [Summary of Changes] |

1. Example Title

Additional Appendixes may be added as needed:

* IANA Considerations
  1. Subsidiary section

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* + 1. Sub-subsidiary section

Text

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