OData Version 4.01. Part 3: Common Schema Definition Language (CSDL)

Working Draft 01

DD Month 2016

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Additional artifacts:

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

* *OData Version 4.01. Part 1: Protocol*. http://docs.oasis-open.org/odata/odata/v4.01/csd01/part1-protocol/odata-v4.01-csd01-part1-protocol.html.
* *OData Version 4.01. Part 2: URL Conventions*. http://docs.oasis-open.org/odata/odata/v4.01/csd01/part2-url-conventions/odata-v4.01-csd01-part2-url-conventions.html.
* *OData Version 4.01. Part 3: Common Schema Definition Language (CSDL)* (this document). http://docs.oasis-open.org/odata/odata/v4.01/csd01/part3-csdl/odata-v4.01-csd01-part3-csdl.html.
* ABNF components: OData ABNF Construction Rules Version 4.0 and OData ABNF Test Cases. http://docs.oasis-open.org/odata/odata/v4.01/csd01/abnf/.
* Vocabulary components: OData Core Vocabulary, OData Measures Vocabulary and OData Capabilities Vocabulary. http://docs.oasis-open.org/odata/odata/v4.01/csd01/vocabularies/.
* XML schemas: OData EDMX XML Schema and OData EDM XML Schema. http://docs.oasis-open.org/odata/odata/v4.01/csd01/schemas/.
* OData Metadata Service Entity Model: http://docs.oasis-open.org/odata/odata/v4.01/csd01/models/MetadataService.edmx.

Related work:

This specification replaces or supersedes:

* *OData Version 4.0 Part 3: Common Schema Definition Language (CSDL)*. Edited by Michael Pizzo, Ralf Handl, and Martin Zurmuehl. 24 February 2014. OASIS Standard. <http://docs.oasis-open.org/odata/odata/v4.0/os/part3-csdl/odata-v4.0-os-part3-csdl.html>. Latest version: <http://docs.oasis-open.org/odata/odata/v4.0/odata-v4.0-part3-csdl.html>.

Declared XML namespaces:

* <http://docs.oasis-open.org/odata/ns/edmx>
* <http://docs.oasis-open.org/odata/ns/edm>

Abstract:

OData services are described by an Entity Data Model (EDM). The Common Schema Definition Language (CSDL) defines specific representations of the entity data model exposed by an OData service using XML, JSON, and other formats. This document describes CSDL concepts that are common across the various representations such as using XML or JSON formats.

Status:

This [Working Draft](https://www.oasis-open.org/policies-guidelines/tc-process#dWorkingDraft) (WD) has been produced by one or more TC Members; it has not yet been voted on by the TC or [approved](https://www.oasis-open.org/policies-guidelines/tc-process#committeeDraft) as a Committee Draft (Committee Specification Draft or a Committee Note Draft). The OASIS document [Approval Process](https://www.oasis-open.org/policies-guidelines/tc-process#standApprovProcess) begins officially with a TC vote to approve a WD as a Committee Draft. A TC may approve a Working Draft, revise it, and re-approve it any number of times as a Committee Draft.

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# Introduction

[All text is normative unless otherwise labeled]

## Terminology

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [[RFC2119](#RFC2119)].

## Normative References

[RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.

[Reference] [Full reference citation]

## Non-Normative References

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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. <http://docs.oasis-open.org/office/v1.2/csd07/OpenDocument-v1.2-csd07.html>. Latest version: <http://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.html>.

# Section Title

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## Level 2 section title

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##### Level 5 or deeper may be included in TOC with TC approval

text

# Conformance

The last numbered section in the specification must be the Conformance section. Conformance Statements/Clauses go here.

See “Guidelines to Writing Conformance Clauses”:   
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1. Acknowledgments

The following individuals have participated in the creation of this specification and are gratefully acknowledged:

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1. Example Title

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* 1. Subsidiary section

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1. Revision History

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