OASIS OPEN PROJECTS

OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

OASIS Standard
23 July 2023

This stage:

https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set-vocab.html (Authoritative)
https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set-vocab.pdf

Previous stage:

https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/ps02/tracked-resource-set-vocab.html (Authoritative)
https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/ps02/tracked-resource-set-vocab.pdf

Latest stage:

https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/tracked-resource-set-vocab.html (Authoritative)
https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/tracked-resource-set-vocab.pdf

Latest version:

https://open-services.net/spec/trs/latest

Latest editor's draft:

https://open-services.net/spec/trs/latest-draft

Open Project:

OASIS Open Services for Lifecycle Integration (OSLC) Open Project

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Additional components:

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

- *OSLC TRS Version 3.0. Part 1: Specification*. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set.html
- *OSLC TRS Version 3.0. Part 2: Vocabulary (this document)*. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set-vocab.html

- *OSLC TRS Version 3.0. Part 3: Constraints*. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set-shapes.html
- *OSLC TRS Version 3.0: Part 4: Machine-readable RDF Vocabulary*. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/trs-vocab.ttl
- *OSLC TRS Version 3.0: Part 5: Machine-readable Resource Shapes*. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/trs-shapes.ttl

RDF Namespaces:

http://open-services.net/ns/core/trs#

http://open-services.net/ns/core/trspatch#

Abstract:

This specification defines a vocabulary for Tracked Resource Sets.

Status:

This document was last revised or approved by the membership of OASIS 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 Open Project are listed at https://open-services.net/about/.

Comments on this work can be provided by opening issues in the project repository or by sending email to the project’s public comment list oslc-op@lists.oasis-open-projects.org.

The English version of this specification is the only normative version. Non-normative translations may also be available. Note that any machine-readable content (Computer Language Definitions) declared Normative for this Work Product is provided in separate plain text files. In the event of a discrepancy between any such plain text file and display content in the Work Product's prose narrative document(s), the content in the separate plain text file prevails.

Citation format:

When referencing this specification the following citation format should be used:
[OSLC-TRS-v3.0]
OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary. Edited by Nick Crossley. 23 July 2023. OASIS Standard. https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/tracked-resource-set-vocab.html. Latest stage: https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/tracked-resource-set-vocab.html.

Notices

All capitalized terms in the following text have the meanings assigned to them in the OASIS Intellectual Property Rights Policy (the "OASIS IPR Policy"). The full Policy may be found at the OASIS website.

Table of Contents

1. Introduction

This section is non-normative.

This specification defines a vocabulary for Tracked Resource Sets.

Note that this document is informative; the normative document for the vocabulary is the machine-readable source in [VOCAB].

1.1 Typographical Conventions and Use of RFC Terms

This section is non-normative.

As well as sections marked as non-normative, all authoring guidelines, diagrams, examples, and notes in this specification are non-normative. Everything else in this specification is normative.

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

1.1.1 References

1.1.1.1 Normative references

[RFC2119]

S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. IETF, March 1997. Best Current Practice. URL: https://www.rfc-editor.org/rfc/rfc2119

[RFC8174]

B. Leiba. *Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words*. IETF, May 2017. Best Current Practice. URL: https://www.rfc-editor.org/rfc/rfc8174

[VOCAB]

Nick Crossley; Frank Budinsky. *OSLC TRS Version 3.0: Part 4: Machine-readable RDF Vocabulary*. http://open-services.net. Finalization. URL: https://docs.oasis-open-projects.org/oslc-op/trs/v3.0/os/trs-vocab.ttl

1.2 Vocabulary Terms

1.2.1 RDF Vocabulary for Tracked Resource Set

1.2.1.1 Vocabulary Details

The namespace URI for this vocabulary is: `http://open-services.net/ns/core/trs#`

The OSLC Core Tracked Resource Set vocabulary defines terms used in describing Tracked Resource Sets.

1.2.1.1.1 Classes in this namespace (6)

Base, Change Log, Creation, Deletion, Modification, Tracked Resource Set

Base

http://open-services.net/ns/core/trs#Base

Base is an RDFS class.

A Base identifies the initial set of resources in a Tracked Resource Set.

Change Log

http://open-services.net/ns/core/trs#ChangeLog

Change Log is an RDFS class.

A Change Log describes what resources have been created, modified or deleted, and when.

Creation

http://open-services.net/ns/core/trs#Creation

Creation is an RDFS class.

Represents a resource creation or modification change event.

Deletion

http://open-services.net/ns/core/trs#Deletion

Deletion is an RDFS class.

Represents a resource deletion change event.

Modification

http://open-services.net/ns/core/trs#Modification

Modification is an RDFS class.

Represents a resource creation or modification change event.

Tracked Resource Set

http://open-services.net/ns/core/trs#TrackedResourceSet

Tracked Resource Set is an RDFS class.

A Tracked Resource Set provides a representation of the current state of a Resource Set.

1.2.1.1.2 Properties in this namespace (12)

afterETag, base, beforeETag, change, changed, changeLog, createdFrom, cutoffEvent, order, previous, rdfPatch, trackedResourceSet

afterETag

http://open-services.net/ns/core/trspatch#afterETag

afterETag is an RDF property.

HTTP entity tag of resource immediately after this change.

base

http://open-services.net/ns/core/trs#base

base is an RDF property.

An enumeration of the Resources in the Resource Set.

beforeETag

http://open-services.net/ns/core/trspatch#beforeETag

beforeETag is an RDF property.

HTTP entity tag of resource immediately before this change.

change

http://open-services.net/ns/core/trs#change

change is an RDF property.

The Change Event entries.

changed

http://open-services.net/ns/core/trs#changed

changed is an RDF property.

The Resource that has changed.

changeLog

http://open-services.net/ns/core/trs#changeLog

changeLog is an RDF property.

A Change Log providing an order series of incremental adjustments to the Resource Set.

createdFrom

http://open-services.net/ns/core/trspatch#createdFrom

createdFrom is an RDF property.

URI of antecedent resource for trs:Creation Change Events.

cutoffEvent

http://open-services.net/ns/core/trs#cutoffEvent

cutoffEvent is an RDF property.

The most recent Change Log entry that is accounted for in this Base. When rdf:nil, the Base is an enumeration at the start of time.

order

http://open-services.net/ns/core/trs#order

order is an RDF property.

The sequence in time of the Change Event.

previous

http://open-services.net/ns/core/trs#previous

previous is an RDF property.

The continuation of the Change Log, containing the next group of chronologically earlier Change Events.

rdfPatch

http://open-services.net/ns/core/trspatch#rdfPatch

rdfPatch is an RDF property.

Patch directives describing a modification to the resource's RDF representation.

trackedResourceSet

http://open-services.net/ns/core/trs#trackedResourceSet

trackedResourceSet is an RDF property.

A Tracked Resource Set.

1.3 Conformance

OSLC TRS Servers **MUST** use the vocabulary terms defined here where required, and with the meanings defined here. Servers **MAY** augment this vocabulary with additional terms. [cc-1]

