



OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

OASIS Standard
23 July 2023

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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:

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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>.

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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]