



OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

OASIS Standard
23 July 2023

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

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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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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]