OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

Project Specification Draft 01
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Additional components:
This specification is one component of a Work Product that also includes:

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 OASIS Open Services for Lifecycle Integration (OSLC) Open Project 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/.

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[OSLC-TRS-v3.0]
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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


1.1.1.2 Informative references


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 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.

1.2.1.2 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.

The 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]