OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

OASIS Standard
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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:
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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]

[RFC8174]

[VOCAB]

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.

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.

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

*rdfPatch* is an RDF property.
Patch directives describing a modification to the resource's RDF representation.

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]