



# OSLC Tracked Resource Set Version 3.0. Part 2: Vocabulary

## Project Specification 02 24 November 2022

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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/ps02/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/ps02/tracked-resource-set-vocab.html>

- OSLC TRS Version 3.0. Part 3: Constraints. <https://docs.oasis-open-projects.org/osl-op/trs/v3.0/ps02/tracked-resource-set-shapes.html>
- OSLC TRS Version 3.0: Part 4: Machine-readable RDF Vocabulary. <https://docs.oasis-open-projects.org/osl-op/trs/v3.0/ps02/trs-vocab.ttl>
- OSLC TRS Version 3.0: Part 5: Machine-readable Resource Shapes. <https://docs.oasis-open-projects.org/osl-op/trs/v3.0/ps02/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 [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

[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/ps02/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]