OASIS OSLC Core Technical Committee

The charter for this Technical Committee (TC) is as follows. The TC is to be affiliated with the OASIS OSLC Member Section (MS).

a. Name of the TC

OASIS OSLC Core Technical Committee

b. Statement of Purpose

With strong demand for better support of integrated system and software processes, enterprises want to combine products from various vendors and open source as well as their own homegrown components. This integration, however, can become quite challenging and unmanageable. In order to support integration between a heterogeneous set of products and components from various vendors, there is a need for an architecture that is minimalist, loosely coupled, and standardized. The OSLC (Open Services Lifecycle Collaboration) initiative applies World Wide Web and Linked Data principles, such as those defined in the W3C Linked Data Platform (LDP), to create a cohesive set of specifications for products, services and other tools.

OSLC is motivated by domain scenarios such as change management, requirement management, and quality management; and cross-domain scenarios such as Application Lifecycle Management (ALM), Product Lifecycle Management (PLM), and Integrated Service Management (ISM). Each domain and cross-domain area may have its own Technical Committee and/or specifications.

The OSLC Core TC is responsible for specifications that expand W3C LDP concepts, as needed, to enable integration.

c. Scope

The OASIS OSLC Core TC defines essential technical elements of OSLC specifications and offers guidance on common concerns for creating, updating, retrieving, and linking to lifecycle resources based on W3C LDP. The OSLC Core TC builds on the community-developed best practices and on the work other OSLC MS affiliated TCs. Other OSLC specifications leverage OSLC Core specifications, best practices and guidance, which enables them to focus on domain-specific concerns.

The OASIS OSLC Core TC will accept as input the OSLC Steering Committee approved versions of the OSLC Core 3 specifications targeted for OASIS as indicated here: http://open-services.net/wiki/core/OSLCCoreSpecificationsV3/#Specifications

Here are the key responsibilities of the OSLC Core TC:

1)   Expand on LDP concepts, as needed, to meet this list of integration capabilities

    a)   Accessing resources

b) Resource creation

c) Resource descriptors for creation

d) Resource descriptors for validation

e) Filter long collections of resources

f) Leverage web-based user interface components, for tasks such as creating and selecting resources

g) Leverage web-based user interface components for getting a minimal presentation of a resource

h) Protection of resources through recommendations for identification, authentication, access control, and delegation of access

i) Consistency in error responses

j) Common definition and usage of vocabulary terms.

k) Recommended resource representations

2) Add additional technical elements as required to support scenarios from OSLC User Groups, OSLC-affiliated TCs, sub-committees and the OSLC Steering Committee

3) Technical Coordination activities:

a) Review and recommend OSLC-affiliated specifications

b) Lead in, contribute to, review and endorse the creation of best practices and guidance materials that assist implementers, TCs defining specifications, scenarios, vocabularies, test suites and other materials to assist in the development of specifications

c) Prioritize cross-cutting scenarios that affect either Core specifications or affiliated TC specifications.

d. Deliverables

The OASIS OSLC Core TC will produce:

1) Scenarios – these will guide the priorities and specification contents within the Technical Committee

a) Also a prioritized list of scenarios both developed by the OSLC Core TC and contributed from elsewhere.

2) Specifications - Based on scenarios, address for cross-domain technical needs, and set rules for domain specifications leverage and possibly extend this specification. Provide

terminology and rules for defining resource vocabularies in terms of the property names and value-types that are allowed/required, as well as recommendations for various resource representations.

a) This may be a collection of specifications, one per capability or collection of capabilities

b) Additional specifications may be introduced over time to satisfy capabilities needed by supported scenarios

c) Supporting and enabling material (in collaboration with other OSLC MS affiliated TCs as appropriate) – on an as-needed basis to support broad adoption including:

    i) Guidance – items not worthy of specification such as implementation, resource design and specification development itself

    ii) Best Practices – publication of various best (and worst) practices to aid in the implementation of specifications and interoperable solutions.

3) Terminology – a common set of terms used across affiliated TCs

4) Vocabulary –in support of specifications, a set of machine and human processable vocabularies, including tools and best practices

5) Test suites - provide description test suites (perhaps manual) to illustrate how implementations of specifications should comply with the specification. Core TC may endorse a 3rd party automated test suite, such as an open source one from Eclipse Lyo.

The OASIS OSLC Core TC plans to revise and expand its specifications over time, to enable functionality called for by revisions in, and expansions of, the motivational scenarios. This means that new specifications that cover new capabilities may be introduced as scenarios are iterated on to support new capabilities. In all cases the OSLC Core TC will produce specifications that are generally applicable and domain neutral.

e. Maintenance
Once the TC has completed work on a deliverable (whether "complete" means it has become an OASIS Standard, or simply a Committee Specification is left to the TC's discretion), the TC will provide maintenance for the deliverable. The purpose of maintenance is to provide minor revisions to previously adopted deliverables to clarify ambiguities, inconsistencies and obvious errors. Maintenance is not intended to enhance a deliverable or to extend its functionality. In addition to maintenance, the TC may choose to create new versions of specifications that add additional capabilities as needed by scenarios.

f. IPR Mode
RF on Limited Terms (as specified in the OASIS IPR Policy)

g. Statements of Support

I, $name <$email>, an employee of $organization, support this proposal and am committed to the Charter and projected meeting schedule.

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h. Anticipated Audience

The OSLC Core TC will produce specifications that are applicable to other OSLC MS affiliated TCs, other standards groups, implementers (vendors and open source projects), and users of software that implements these specifications.

The work should be of interest to anyone involved with integration of tools.

i. Language

The OSLC Core TC will conduct its business in English. The TC may elect to form subcommittees that produce localized documentation of the TC's work in additional languages.

j. Reference

[1] Open Services for Lifecycle Collaboration (OSLC)
http://open-services.net

[2] Open Services for Lifecycle Collaboration Core Specification Version 2.0 (Final)
http://open-services.net/bin/view/Main/OslcCoreSpecification

[3] Open Services for Lifecycle Collaboration Core Specification Version 3.0 (Draft)
http://open-services.net/wiki/core/OSLCCoreSpecificationsV3/

 [4] Linked Data Platform 1.0 (Draft)
http://www.w3.org/TR/ldp/

[5] Eclipse Lyo
http://eclipse.org/lyo

[6] OASIS IPR Policy
https://www.oasis-open.org/policies-guidelines/ipr