



OSLC Open Project

#OSLCfest status report and directions for 2022

Jim Amsden (IBM)

Andrew Berezovskyi (KTH Royal Institute of Technology)

Agenda

- OSLC Open Project (OP) intro for the newcomers
- OSLC OP status update for 2021
- Future of the OSLC spec development

Part 1: Open Project intro

From many committees to a single project

- OSLC was open-sourced by IBM ca. 2009
- OSLC was contributed to OASIS in 2013
 - Technical Committees created for OSLC Core
 - Various Technical Committees were created for OSLC Domains (RM, CM, QM, AM, etc.)
- OSLC Open Project Established in June 2019
 - OSLC Core TC, Domains TC, StC, and the Member Section closed in favour of the OP
 - KTH, IBM, and Koneksys on the PGB

OSLC Open Project org

- No more legal obligations when joining the mailing list or the calls
 - Signing CLAs is only required when contributing content on Github (ie spec text, code)
 - **No more fees to join and contribute!**
- Scope
 - OASIS Standards
 - Reference implementation and related materials
- Single weekly call

Specs under the OSLC OP

Core	Domains	Inactive	Obsolete
Core OS	RM OS	AssetM WD	<i>Reporting</i>
Query OS	CM OS	Automation WD	<i>Product</i>
TRS PSD	AM PS	Actions WD	<i>Definition</i>
Config PSD	QM PS	PerfMon WD	
		<i>Reconciliation</i> WD	
		<i>Estimation and Measurement</i> WD	

Part 2: 2021 updates

Accomplishments since last OSLCfest

- ✓ • **OSLC Core 3.0 Candidate OASIS Standard (COS)**
 - Refresher: WD > PSD > PS > COS > OS
 - OASIS standards published for Core, Query, RM, CM, and COS for QM.
- ✓ • **New contributors, especially among OSLC users**
 - François-Régis Jaunatre (Frej) representing Sodius-Willert is a new regular contributor.
- ✓ • More non-normative client guidance in published Project Notes
 - 5 Project Notes submitted for publication (Core, Config, TRS)
- 🕒 • **COS for 3 specs (TRS, Configuration Management, AM)**
 - TRS & Config PSDs; AM is a Project Specification.

OSLC Core 3.0 key features

- **OASIS Standard**
- **No breaking changes from 2.0!**
 - **RDF/XML is no longer a MUST in order to enable OSLC-compliant clients/server only supporting JSON-LD or Turtle.*
- OAuth 2.0 / OpenID Connect authentication
- Attachments support
- Improved discovery (Root Services and .well-known URIs)
- Harmonised with W3C Linked Data Platform
- Query extracted into a companion specification

Configuration Management

- Project Specification Draft 1.0 published
 - Feedback welcome
 - No major changes to the previous Committee Specification Working Draft implemented by many projects in the field rely on it.
- Steps remaining for OASIS Standard
 - Changeset delivery

Tracked Resource Sets

- First Project Specification Draft published
 - Feedback welcome!
- TRS specification includes experience gain from implementations
- Addressing aspects that confusion for those implementing TRS servers and clients

Part 3: What's next for OSLC

Future topics

- SysML v2 and OSLC
- Push notifications for TRS (e.g. WebSocket / Kafka / MQTT based)
- Behavioral integration (Automation and Actions specifications)

Join us! We welcome your contribution

- Weekly call THU 16:00 Central Europe / 10:00 AM Eastern @Jitsi
- <https://github.com/oslc-op/oslc-specs/>
- Links to the ways to get in touch in the video description 🙌

Questions

- What do you think are the major challenges to application integration?