OSLC
Open Project

#OSLCfest status report and directions for 2022

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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
- Core
- Query
- TRS
- Config

Domains
- RM
- CM
- AM
- QM

Inactive
- AssetM
- Automation
- Actions
- PerfMon
- Reconciliation
- Estimation and Measurement

Obsolete
- Reporting
- Product Definition
Part 2: 2021 updates
Accomplishments since last OSLCfest

- OSLC Core 3.0 Candidate OASIIS 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/](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?