# Eclipse Lyo Project

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# What is OSLC? (http://open-services. net)

- Open services for life-cycle collaboration (OSLC)
- Open Community authoring a set of Specifications for linked lifecycle data
- Reduce the barriers in integrating lifecycle products through
  - REST style interfaces
  - based on internet and linked data standards
- Creating open public descriptions of resources and interfaces
  - Change Requests
  - Test Cases
  - Defects
  - Requirements
  - User Stories

## What is Eclipse Lyo

- Tentative name Lyo for the proposed Eclipse OSLC project
- SDK to enable tools to build OSLC integrations
- The SDK will include
  - Reference implementations
  - Test Suites
  - Code Libraries
  - Samples and examples

## **Initial Contribution for Lyo**

- All of the Contents of the existing OSLC tools project on SourceForge which include
  - Reference Implementations for OSLC
    - Servlet/JSP simple web applications
    - Running on Tomcat or Jetty
    - Depending on OpenRDF for underlying storage and RDF parsing
    - Dojo for Web UI minimal
  - Test Suites
    - JUnit based code base
    - Drives service provider implementations via HTTP (Apache HTTP Client)
  - Code Libraries
    - PHP library for parsing/generating OSLC JSON
  - Samples and Examples
    - JavaScript and Java client code examples for connecting to service provider
    - Sample resource definitions: RDF/XML, JSON, RDF/Turtle, etc

#### Committers and Interested Parties

- Committers
  - Oracle
  - Institut Telecom
  - IBM
  - Tasktop
- Interested Parties
  - Accenture
  - Ericsson
  - General Motors
  - IBM
  - Oracle
  - Insitut Telecom
  - Tasktop
  - Tieto

## Why Eclipse?

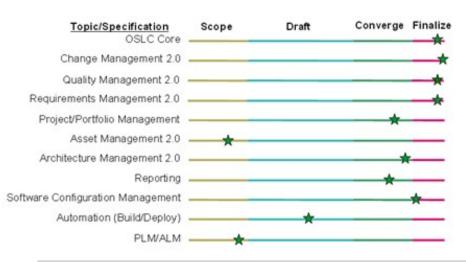
- OSLC is a community specification effort, requires SDK to enable adoption
- Strong affinity between OSLC focus on life-cycle integration and Eclipse communities focus on developer tools
- There is already alignment between OSLC and other Eclipse projects
  - Orion
  - Mylyn
- Eclipse has a well established governance model that can facilitate better community adoption

## Dual Licensing for Lyo

- We want broadest possible adoption, contribution will be nice but it is not a requirement
- Currently the OSLC tools project in SourceForge is Apache 2.0 based (more permissive)
  - Much of the content is neither binary or source (mostly RDF, JavaScript code etc.)
- BSD/EDL is a logical choice to facilitate broader adoption of Lyo
- Request board approval to dual license Lyo under EPL/EDL

## **OSLC Community Participation**

- Eleven workgroups operating at open-services.net
  - Domain focused workgroups (e.g. CM, QM, RM)
  - Common issues and patterns (Core)
  - Solution oriented workgroups (e.g. PLM/ALM)
- Range of interests, expertise, involvement
  - 365+ registered community members
    (up from 70 people at RSC 2009)
  - Individuals from 34+ different companies have participated in OSLC workgroups (up from 5 companies at RSC 2009)



Accenture APG Black Duck Boeing **BSD Group** Citigroup **EADS Emphasys Group Empulsys** Fokus Fraunhofer Galorath **General Motors Health Care Services Corp IBM Institut TELECOM Integrate Systems** 

**Lender Processing Services Northrop Grumman** Oracle QSM **Rally Software** Ravenflow Shell Siemens Sogeti SourceGear/Teamprise **State Street** Tasktop (Eclipse Mylyn) **Thales** Tieto **TOPIC Embedded Systems UrbanCode** WebLayers