

# 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	Lender Processing Services
APG	Northrop Grumman
Black Duck	Oracle
Boeing	QSM
BSD Group	Rally Software
Citigroup	Ravenflow
EADS	Shell
Emphasys Group	Siemens
Empulsys	Sogeti
Fokus Fraunhofer	SourceGear/Teamprise
Galorath	State Street
General Motors	Tasktop (Eclipse Mylyn)
Health Care Services Corp	Thales
IBM	Tieto
Institut TELECOM	TOPIC Embedded Systems
Integrate Systems	UrbanCode
	WebLayers