OSLC Reference Implementation

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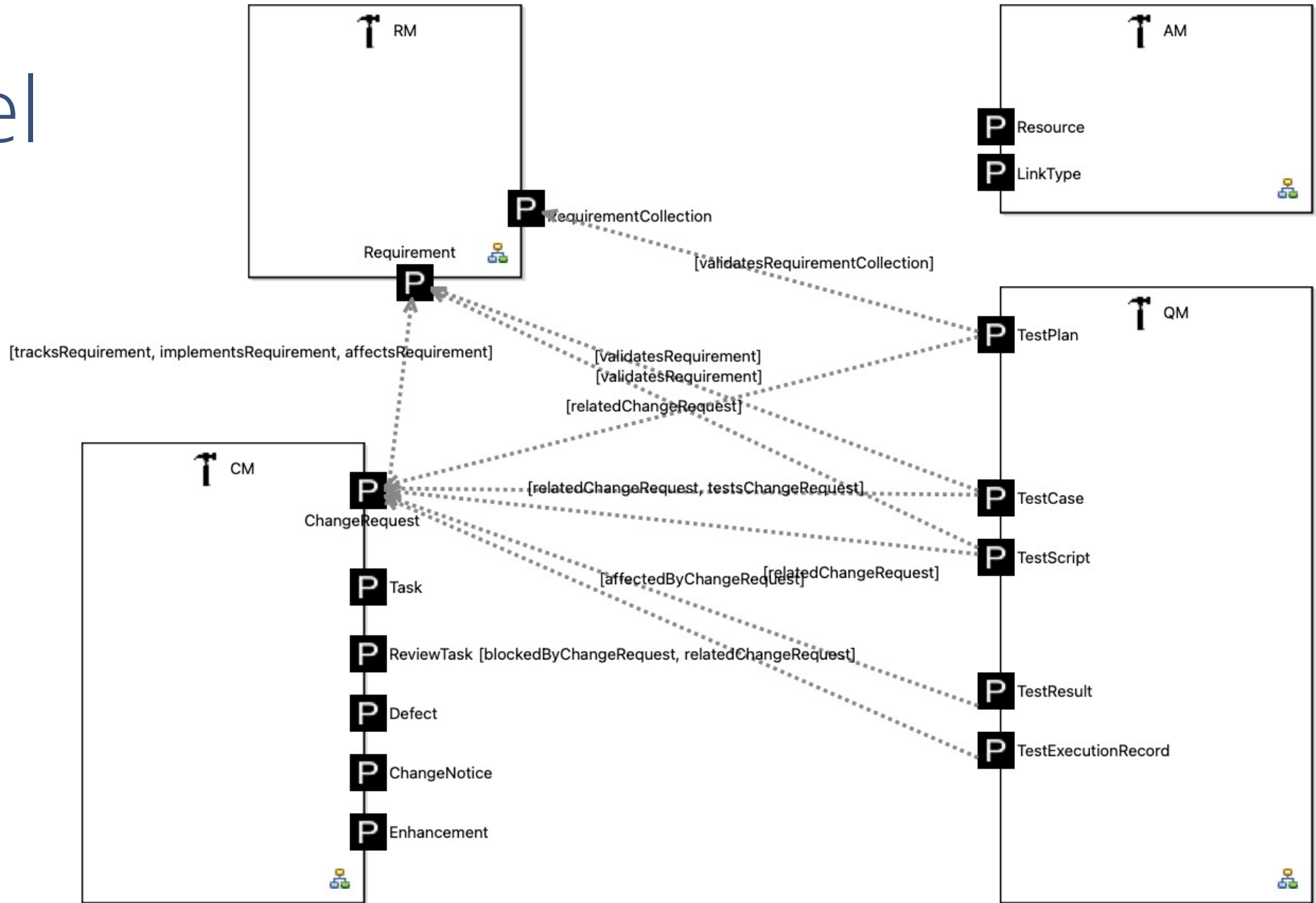
Agenda

- Overview and Lyo Designer models

- Demo

- Lyo intro and code walkthrough

Overview

- Reference implementation for key domain specifications

  - OSLC Requirements Management Server

  - OSLC Architecture Management Server

  - OSLC Quality Management Server

  - OSLC Change Management Server

  - + OSLC Client for RefImpl based on Lyo Client

- Uses Eclipse Lyo 4.1

  - Modelled and generated using Lyo Designer

Model

RM

RequirementCollection

Requirement

[tracksRequirement, implementsRequirement, affectsRequirement]

[validatesRequirementCollection]

[validatesRequirement]
[validatesRequirement]

[relatedChangeRequest]

AM

Resource

LinkType

QM

TestPlan

TestCase

TestScript

TestResult

TestExecutionRecord

CM

ChangeRequest

Task

ReviewTask [blockedByChangeRequest, relatedChangeRequest]

Defect

ChangeNotice

Enhancement

[relatedChangeRequest, testsChangeRequest]

[affectedByChangeRequest]

[relatedChangeRequest]

Demo

More resources

- https://oslc.github.io/developing-oslc-applications/

- https://open-services.net/resources/oslc-primer/ (old!)

- https://forum.open-services.net/c/sdks/lyo/9

- https://open-services.net/specifications/

Other SDKs

- Prolog
  https://github.com/EricssonResearch/oslc_prolog
  https://www.youtube.com/watch?v=t1AJg8HAEn4&t=93s (OSLCfest 2020 D3)

- JS (not actively maintained)
  https://github.com/OSLC/oslc-service
  https://oslc.github.io/developing-oslc-applications/oslc-open-source-node-projects.html

- .NET (not actively maintained)
  https://github.com/OSLC/oslc4net

- Perl (obsolete)