

Model-based Support for OSLC Based Tool Interoperability

Challenges:

- Information specification
- Compliance to standard(s)
- Tool-Data ownership



Federated Tool Architecture

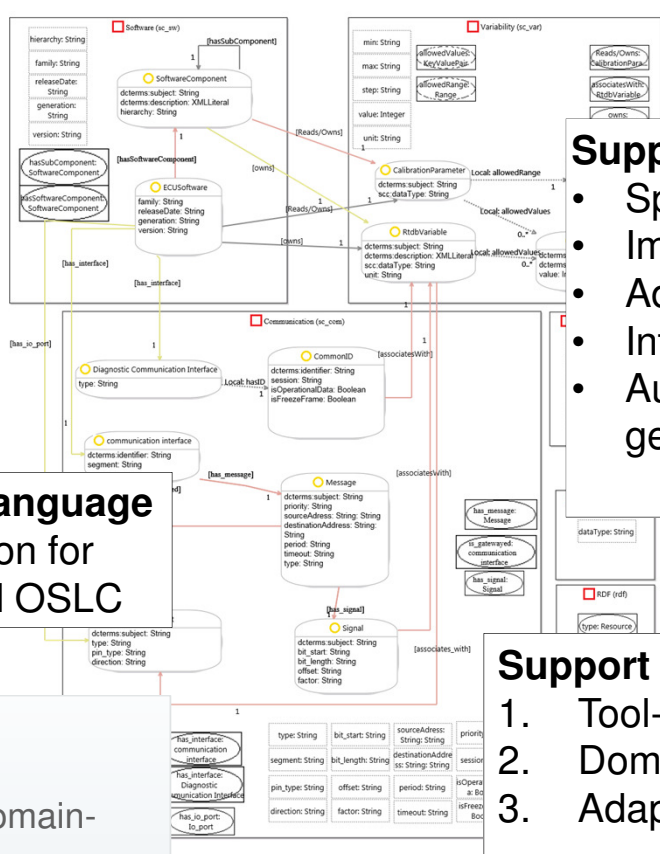
Control over information

Aim: Investigate how a distributed tool architecture – as promoted by the Linked Data approach - can be realised, while ensuring some control over the overall information model that the tools adopt in the organisation.

Deliverable:

A modelling environment to support tool-chain development

A model-based (MBD) approach



Support across the V-process

- Specifications
- Implementation
- Adaptor testing
- Integration testing
- Automatic code & test generation

Domain-specific language

- Graphical notation for Linked Data and OSLC

2 Variants:

- * An EA UML profile
- * An Eclipse-based domain-specific language

Support for multiple perspectives

1. Tool-Data ownership
2. Domain-data specifications
3. Adaptor implementation model

