PIM4SOA to OWL-S model transformation

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1. Datasheet

Solution data	
Name	PIM4SOA to OWL-S model transformation
Result type	Model transformation
Description/functionality	This result is a visual modelling tool for semantic enrichment of Web Service descriptions. UMT2OWLS is a visual tool for modelling the semantic enrichment of Web service interfaces description. It is based on the existing UMT-QVT tool (an open source project). This extension allows transformation of UML-based models for describing Web services directly to their WSDL and OWL-S representations. In this manner a real model-driven development is achieved. The resulted WSDL and OWL-S documents can be used in a Web services registry for the description of the service interface including all the necessary business and technical information
Benefits to interoperability	The result allows for a richer description of Web Services using semantics.
Supported models/methodologies	-
Supported input interfaces	-
Supported output interfaces	-
Validation/demonstration	-
Standards compliance	-
Availability	-
License	-
Status	-
Requirements/dependencies	-
Web references	-
ATHENA metadata	
Contact person	-
Contributors	-
Provided by project/activity	• A5: Planned and Customisable Service-Oriented

	Architectures
Deliverables representing result	• D.A5.2 Model and Specification of service description and usage as well as advanced concepts (M18) • D.A5.4: Execution Framework(s) for Planned and Customisable Service-Oriented Architectures (M21)
Contribution to key result	• 13: Model-driven and Adaptable Interoperability Framework and Infrastructure • 12: Service Composition Framework
Used in pilot	-
Deliverable providing evaluation	D.A5.5 "Validation of Research Results" (M24)