PIM4SOA to WSDL Transformation Feature for Eclipse

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1. Datasheet

Solution data	
Name	PIM4SOA to WSDL Transformation Feature for Eclipse
Result type	Model transformation
Description/functionality	This Eclipse plugin takes a PIM4SOA model instance and transforms it into a description of a Web Service in the Web Service Description Language (WSDL). The generated WSDL contains an XSD schema representing the information elements for the Web Service. The information for the WSDL is taken from the Services and Information segments of the PIM4SOA metamodel.
Benefits to interoperability	This result connects the PIM4SOA metamodel to a widely used SOA platform, Web Services. The benefit to interoperability is there when more similar transformations are written to support other SOA platforms.
Supported models/methodologies	
Supported input interfaces	
Supported output interfaces	
Validation/demonstration	The transformations have been used on the Athena e-procurement sceanrio.
Standards compliance	• http://www.w3.org/TR/ws-arch/
Availability	
License	• Eclipse Public License
Status	
Requirements/dependencies	The plugin runs under Eclipse and requires that the PIM4SOA plugin and the Eclipse Web Tools plugins (with prerequisites) are installed
Web references	• Website: http://pim4soa.sourceforge.net/ • User guide: http://pim4soa.sourceforge.net/transformations/pim4soa2wsdl_html.l
ATHENA metadata	

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Contributors	SINTEF
Provided by project/activity	• A6 – Model-driven and Adaptive Interoperability Architectures
Deliverables representing result	D.A6.4 "Model-Driven and Adaptable Interoperability Infrastructure" (M24)
Contribution to key result	• 13. Model-driven and Adaptable Interoperability Framework and Infrastructure
Used in pilot	• AIDIMA: eProcurement pilot
Deliverable providing evaluation	D.A6.4 "Model-Driven and Adaptable Interoperability Infrastructure" (M24)