

PIM4SOA to JACK model transformation

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1. Datasheet

Solution data	
Name	PIM4SOA to JACK model transformation
Result type	Model transformation
Description/functionality	<ul style="list-style-type: none"> • A model mapping between the meta-model for PIM4SOA and the meta-model for Jack is specified on a conceptual level. Current work is the investigation in how far the model mapping can be automated using the Eclipse MTF model transformation framework. • The model transformation contributes to the integration of agent technologies into the ATHENA interoperability framework. Even if the mapping between the meta-models is specified on a conceptual level only, this already contributes to the interaction. The conceptual mapping relates concepts in agent design to concepts of the model-driven approach to service-oriented architectures that is in the focus of ATHENA. If an automated model transformation is achieved, the agent platform provides an alternative execution environment that is likely to extend the flexibility and power of the PIM4SOA.
Benefits to interoperability	The model transformation contributes to the integration of agent technologies into the ATHENA interoperability framework. Even if the mapping between the meta-models is specified on a conceptual level only, this already contributes to the interaction. The conceptual mapping relates concepts in agent design to concepts of the model-driven approach to service-oriented architectures that is in the focus of ATHENA. If an automated model transformation is achieved, the agent platform provides an alternative execution environment that is likely to extend the flexibility and power of the PIM4SOA as it is currently proposed.
Supported models/methodologies	-
Supported input interfaces	-
Supported output interfaces	-
Validation/demonstration	Mapping of concrete models that are provided at the PIM4SOA level for different demonstrators

	will be investigated.
Standards compliance	<ul style="list-style-type: none"> • http://www.fipa.org/ • http://www.agentlink.org/
Availability	-
License	-
Status	Concept
Requirements/dependencies	-
Web references	-
ATHENA metadata	
Contact person	Klaus Fischer, DFKI
Contributors	DFKI
Provided by project/activity	<ul style="list-style-type: none"> • A6 – Model-driven and Adaptive Interoperability Architectures
Deliverables representing result	-
Contribution to key result	<ul style="list-style-type: none"> • 13. Model-driven and Adaptable Interoperability Framework and Infrastructure
Used in pilot	-
Deliverable providing evaluation	-