

PIM4SOA to Jack

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1. Description

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.

2. Datasheet

Name of result	PIM4SOA to JACK Agent platform model transformation
Contact	Christian Hahn
Contributors	DFKI
Relationships to other projects	A5 regarding service composition
Result type	Model transformation
Software deployment	Not applicable
Publicly available	No
Status	Concept
ACP url (if applicable)	
Summary of functionality	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.
Benefits and contributions 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.
Validation and demonstration activities	Mapping of concrete models that are provided at the PIM4SOA level for different demonstrators will be investigated.
Standardisation links	<ul style="list-style-type: none"> • http://www.fipa.org/ • http://www.agentlink.org/
Requirements and dependencies	Meta-model for PIM4SOA
Comments	

3. Installation guide

<TBD>

4. User guide

<TBD>