MOF repository

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1. Datasheet

Solution data	
Name	MOF repository
Result type	Model repository
Description/functionality	The Enhanced Model Repository is where both service providers and consumers can store models that describe the services in their environment: including information models that describe the messages consumed and produced by these services and the public business processes and choreographies that these services may participate in. The repository developed in A6 provides a public model repository which allows for the collaborative annotation of models and also for richer query and search than is currently provided by MOF-based repositories. After uploading a metamodel, defined with the MOF 1.4, instances of that metamodel (i.e. models) can be stored and uploaded using a standard XMI serialisation mechanism. When a transformation has been defined between the MOF model and an RDF representation, models may then be annotated with RDF statements. This then allows models to be queried using the RDQL language.
Benefits to interoperability	It provides a public model repository which allows for the collaborative annotation of models and also for richer query and search then is currently provided by MOF-based repositories.
Supported models/methodologies	MOF 1.4
Supported input interfaces	RDQL
Supported output interfaces	MOF 1.4
Validation/demonstration	-
Standards compliance	The repository supports storing models that are defined according to the MOF version 1.4. It can support serialisation, desialisation of models and metamodels according to the XMI version 1.1. It can also support annotation of models with RDF statements and querying of models using the

	RDQL.
Availability	• Hosted service
License	-
Status	Prototype
Requirements/dependencies	Does the tool rely on any commercial or licensed software? If so, on which?
Web references	-
ATHENA metadata	
Contact person	Murray Spork, SAP
Contributors	SAP
Provided by project/activity	• A6 – Model-driven and Adaptive Interoperability Architectures
Deliverables representing result	-
Contribution to key result	• 13. Model-driven and Adaptable Interoperability Framework and Infrastructure
Used in pilot	-
Deliverable providing evaluation	-