

Nehemiah

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1. Datasheet

Solution data	
Name	Nehemiah
Result type	Tool (enactment engine)
Description/functionality	<ul style="list-style-type: none"> Nehemiah is a process execution engine that is able to execute cross-organisational business processes (CBPs) modelled with the methodology developed in ATHENA A2. Nehemiah directly depends on the Maestro modelling tool, i.e. CBPs modelled in Maestro are deployed directly to the Nehemiah repository. To execute a CBP each partner has to deploy his private process, the view processes from all partners participating in the CBP, and the CBP. CBPs are executed without a central process engine. Therefore the process enactment engines resp. infrastructures of the different partners have to talk to each other. Nehemiah uses Gabriel and Johnson to send /receive messages to / from other partners. Therefore it can talk to any process engine that provides a Web service based interface. Nehemiah also provides simulation functionality that can be used to simulate the CBP modelled in Maestro before actually deploying it for execution.
Benefits to interoperability	Implementation of view approach into modelling tool: meets requirement of selected visibility, privacy and flexible
Supported models/methodologies	-
Supported input interfaces	-
Supported output interfaces	-
Validation/demonstration	<p>Validation through demonstrator.</p> <ul style="list-style-type: none"> modelling of CRF sourcing scenario modelling of eProcurement CBP, demonstration of supplier sub-scenario modelling of change management process of EADS scenario
Standards compliance	No direct links.
Availability	Install service / solution available

License	-
Status	Prototype
Requirements/dependencies	No dependencies. Installation requirements: Java 1.4
Web references	http://athena.troux.com/AKMii/Default.aspx?SystemID=4&FolderID
ATHENA metadata	
Contact person	<ul style="list-style-type: none"> • Sonia Lippe, SAP • Ulrike Greiner, SAP
Contributors	SAP
Provided by project/activity	<ul style="list-style-type: none"> • A2 – Cross-Organisational Business Processes
Deliverables representing result	D.A2.4: Architecture for Enactment and Integration of Cross-Organizational Business Processes (M21)
Contribution to key result	<ul style="list-style-type: none"> • 10. Cross-Organisational Business Process Modelling and Enactment
Used in pilot	<ul style="list-style-type: none"> • AIDIMA: eProcurement Pilot • EADS: Change management process • CRF: Automotive Pilot • CAS: Car Configuration
Deliverable providing evaluation	D.A2.5 “Validation of Research Results” (M24)