

STP – Intermediate Model

Galileo Simultaneous Release Review

June 10, 2009

What is STP-IM?

Bridges different SOA platforms in STP

- Workflow / process: e.g. BPMN, BPEL
- Architecture specification: e.g. SCA, EID, JBI
- Service Creation: e.g. JAX-WS, Policy Specification

Facilitates interoperability between editors

- Provides a central SOA conceptual bridge
- Avoids duplication of data
- Minimizes amount of transformation code
- Facilitates code generation from a variety of source

New Features

Improves the overall functionality of STP

Available Transformations (in the repository)

- BPMN to STP-IM
- SCA to STP-IM (basic functionality)
- STP-IM to SCA (basic functionality)

Used in production in Spagic 2.0

- Additional JBI support
- BPEL support (to be transferred to STP)

Architecture

org.eclipse.stp.im.in.bpmn
org.eclipse.stp.tool.in.bpmn

**(BPMN → IM Transformation
and extension to BPMN editor to support
IM annotations)**

org.eclipse.stp.im
org.eclipse.stp.im.edit
org.eclipse.stp.im.editor
org.eclipse.stp.im.tests

(Model and EMF stuff)

org.eclipse.stp.im.runtime
org.eclipse.stp.im.resources
org.eclipse.stp.in.runtime.jbi.smx
org.eclipse.stp.in.runtime.bpel

**(Runtime Support and example of
Runtime definitions)**

org.eclipse.stp.im.in.sca
org.eclipse.stp.im.out.sca

{ SCA → IM Transformation }
{ IM → SCA Transformation }

Non-Code Aspects

3 New Committers (soon after Galileo Release)

Conferences

- Eclipse Con 2009

Schedule

Plan to include external contributions

- STP-IM to BPMN (Engineering Ing. Informtica)
- STP-IM to BPEL (Engineering Ing. Informatica)
- STP-IM Builder (Juan Cadavid)

API

The API is the EMF model for the Intermediate Model
(org.eclipse.stp.im)

Documentation

Wiki

- http://wiki.eclipse.org/STP/IM_Component

Metamodel Definitions

- http://wiki.eclipse.org/STP/IM_Component/STP_Intermediate_Metamodel

Integrations and New Features

- http://wiki.eclipse.org/STP/IM_Component/Transformations
- http://wiki.eclipse.org/STP/IM_Component/IM_Builder

Standards

The STP-IM define a model according to the standards of EMF

End of life

No specific end-of line concerns

Synergies

With other Eclipse Project

- EMF is used to define the IM model and to generate the code to handle it
- STP BPMN integration. BPMN could produce an IM model using the BPMN to IM transformation
- IM could generate SCA artifact that could be used by the SCA Tools

With other communities

- OW2.The Spagic Project use the IM as base, to build a complete SOA/BPMN solution
- French National Research Agency partially support the development of IM through JOnES and SCOrWARE projects

Bugzilla

		Status		
		NEW	RESOLVED	Total
Severity	critical	.	1	1
	normal	2	1	3
	trivial	.	1	1
	enhancement	6	2	8
	Total	8	5	13

IP

Developers understand and adheres to Eclipse Development Process, committers responsibilities and due diligence rules, as well as the Eclipse IP Policy

IPLog

http://www.eclipse.org/stp/development/ip_log.php

Project Plan

June 2009

- Galileo Release.

September – December 2009

- IM Builder (external contribution integration)
- IM to BPMN (external contribution integration)
- IM to BPEL (external contribution integration)

Team

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