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

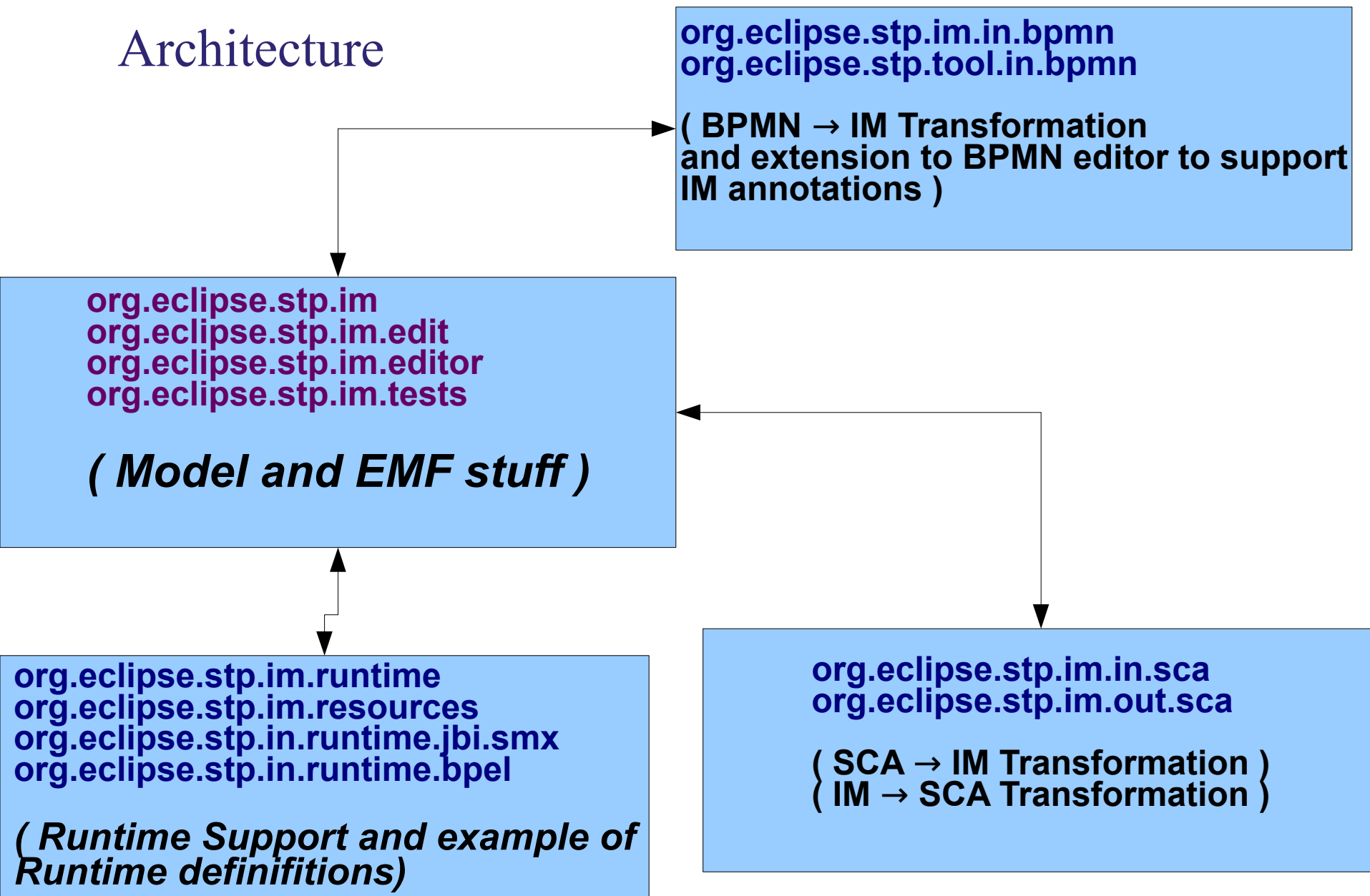Improves the overall functionality of STP

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 definifitions)

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_Meta

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
critical	-	1	1
normal	2	1	3
trivial	-	1	1
enhancement	6	2	8
Total	8	5	13

Severity

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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