SCA Tools 2.0.0

Release Review

June 10, 2009

What is SCA Tools?

- SCA (Service Component Architecture) is a set of specifications proposed by the Open SOA consortium and which is about to be standardized by the OASIS consortium

- The SCA Tools project focuses on tools covering the SCA specifications

  – SCA meta-model
  – Editors (graphical, XML and form)
  – Project utilities (wizards, builder...)
  – Samples
  – Runtime support

- SCA Tools 2.0.0 released with Galileo

New & Noteworthy

- A large number of new features since SCA Tools 1.0.0 (Ganymede) were added

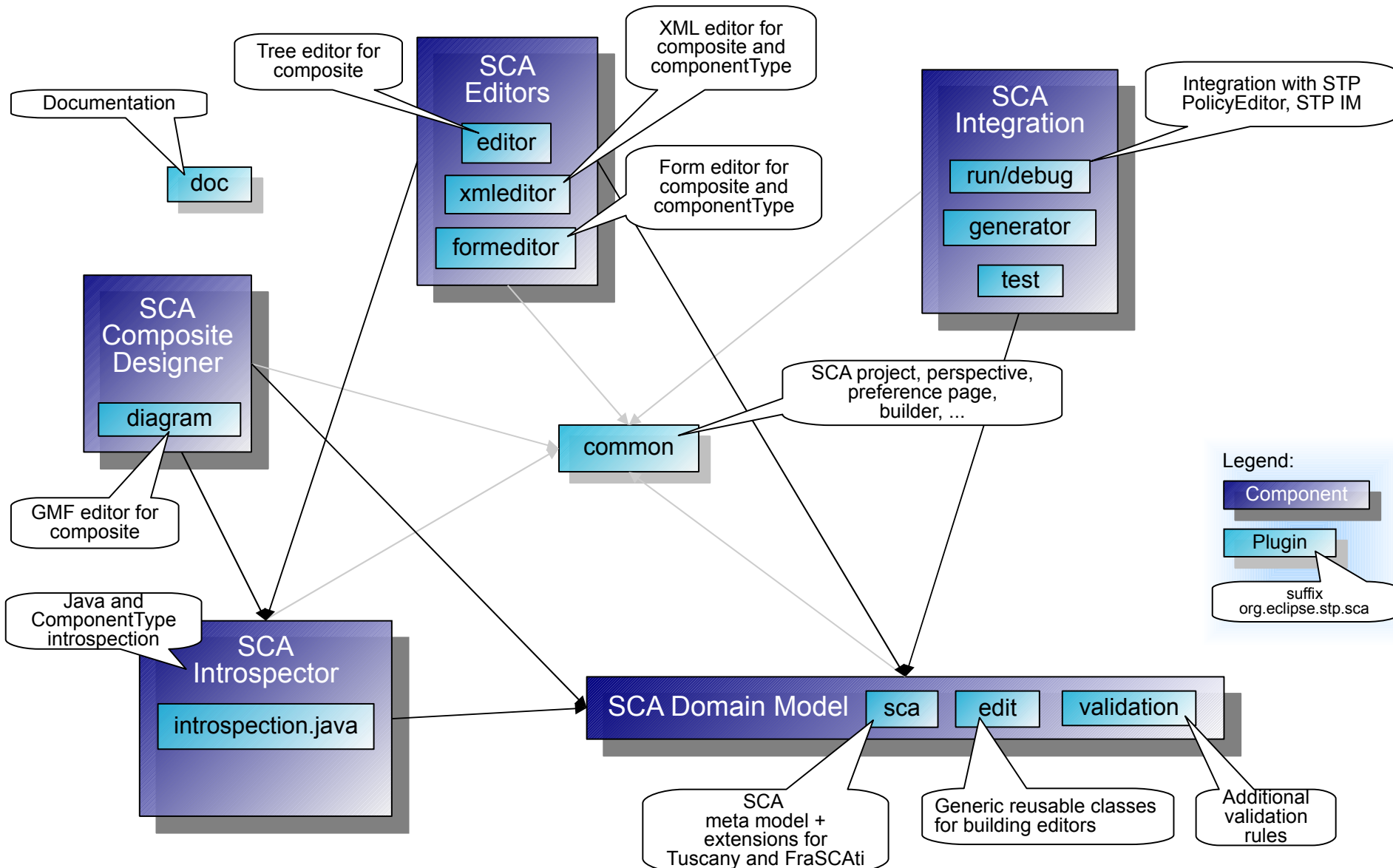- http://wiki.eclipse.org/STP/SCA_Component/New_And_ Noteworthy

New features

- SCA Meta Model
  - Extensible: core + one extension per SCA platform
  - Currently available: Apache Tuscany 1.4, OW2 FraSCAti 1.0
  - The user can define its own extensions
- SCA Composite Designer
  - Easily extensible
  - Bottom-up approach: introspection of existing Java code and ComponentType files
- SCA XML Editor
  - Customization of the WTP XML editor: auto-completion for attribute values

New features

- SCA Form Editor
  - Editor with a web-interface for SCA XML artifacts
- SCA Project utilities
  - Creation wizards refactored
  - SCA Builder
  - Generation of Java code skeletons from a composite
  - Links with WSDL tools
- SCA Runtime support
  - Deployment of SCA projects on servers from Eclipse
  - Currently available: Apache Tuscany 1.4, OW2 FraSCAti 1.0
- OSOA Java annotations and APIs embedded

Architecture

Non-Code Aspects

- 2 new commiters (soon)
- Conferences
    - Eclipse Summit Europe 2008
    - Eclipse Con 2009 (Tutorial + short talk)
    - OW2 Annual Conference 2009

Schedule

- Planned plan completed
- http://wiki.eclipse.org/STP/SCA_Component#Planning

API

- Metamodels and corresponding implementations

Documentation

- For users :
    - http://wiki.eclipse.org/STP/SCA_Project#SCA_Tools_users
- For developpers :
    - http://wiki.eclipse.org/STP/SCA_Project#SCA_Tools_developers
- Wiki
    - http://wiki.eclipse.org/STP/SCA_Project

Standards

- The SCA Composite Designer is compliant with the SCA specifications 1.0

End of life

- As this is the first release there are no specific end of life concerns

Tool usability

- Localization / externalization

Synergies

- ## With other Eclipse projects
  - EMF project is used to generate the SCA Domain Model
  - EMF Validation Framework is used to implement the additional validation rules
  - GMF project is used to generate the SCA Composite Designer
  - XML editor from WTP is extended

- ## With other communities
  - ### OW2 FraSCAti
    - We share the same meta model and
    - The same introspection mechanism

  - ### Apache Tuscany
    - Collaboration with the Tuscany community to update SCA Tools according to the last version of Tuscany

Bugzilla

	blocker	critical	major	normal	minor	enhancement	Total
NEW	.	.	.	2	1	4	7
ASSIGNED	.	.	.	.	.	1	1
RESOLVED	1	1	3	25	5	23	58
VERIFIED	.	.	.	.	.	1	1
Total	1	1	3	27	6	29	67

Severity (columns) / Status (rows)

- 13 contributions from 5 contributors
- 59 bugs resolved
- 8 bugs will be resolved after Galileo (enhancements or bug tagged as « help wanted »)

IP

- The developer understands and adheres to the Eclipse Development Process, committer responsibilities and due diligence rules, as well as the Eclipse IP Policy

- All contributions are marked with the keyword "contributed" in bugzilla

- IP Log
  - http://www.eclipse.org/projects/ip_log.php? projectid=stp.sca

Project Plan

- June 2009
  - Galileo Release : SCA Tools 2.0.0
- September 2009
  - SCA Meta Model: support of SCA specifications 1.1 published by OASIS
  - SCA Composite Designer: update with the new meta model
  - SCA Composite Editors: update with the new meta model
- December 2009
  - STP Policy editor support

Team

- Stéphane Drapeau – Obeo (lead)
- Vincent Zurczak – EBM WebSourcing
- Oisin Hurley – Progress Software (STP lead)
- Etienne Juliot - Obeo
- David Porter – Progress Software
- Lionel Seinturier – Univ. Lille (soon)
- Damien Fournier – INRIA (soon)

More information

- SCA website
  - http://www.eclipse.org/stp/sca/
- SCA wiki
  - http://wiki.eclipse.org/STP/SCA_Project
- SCA newsgroup: starting point for questions
  - news://news.eclipse.org/eclipse.stp.sca-tools
- SCA Bugzilla
  - Review and create Bugzilla entries
- SCA SVN repository
  - http://dev.eclipse.org/svnroot/stp/org.eclipse.stp.sca-tools/org.eclipse.stp.sca/
- Tutorial
  - http://wiki.eclipse.org/STP/SCA_Component/SCA_First_Steps_With _Composite_Designer