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
Non-Code Aspects

• 2 new committers (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:

• For developers:

• Wiki
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

- 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
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
• SCA newsgroup: starting point for questions
• SCA Bugzilla
  – Review and create Bugzilla entries
• SCA SVN repository
• Tutorial