



SOA Tools Platform Ganymede Simultaneous Release





SOA Tools 1.0 Release Review



- Multi-component project indicating significant diversity in problem area
- Active committers from IONA, Intalio, Obeo, INRIA, Engineering, SOPERA, Scapa, Bull
- All new code provided under EPL
- All 3rd party (non-EPL) approved by EMO
- Graduation from incubation state



Developer Community

- Community diversity includes active developers from Intalio, IONA, Obeo, Scapa, Engineering, SOPERa, INRIA, Bull
- Total 16 active committers and 3 contributors from 8 companies
 - *up from 11 committers, 2 contributors at Europa*
- Promoting diversity by soliciting contributions from organizations in the SOA industry
 - *added 5 new organizations over the last year*



IP Considerations

- IP Process followed for significant contributions
- Licenses and about files in place as per Eclipse Development Process
- Third party library usage confined to approved Orbit bundles
- IP Log available at http://www.eclipse.org/stp/development/ip_log.php





Consumer Community

- Elements of the SOA Tools Project are being used in products and distributions from (at least) the following organizations





Significant Updates since Europa

- Four new components contributed



- One component 'retired' as inactive



- Five components at 1.0 release

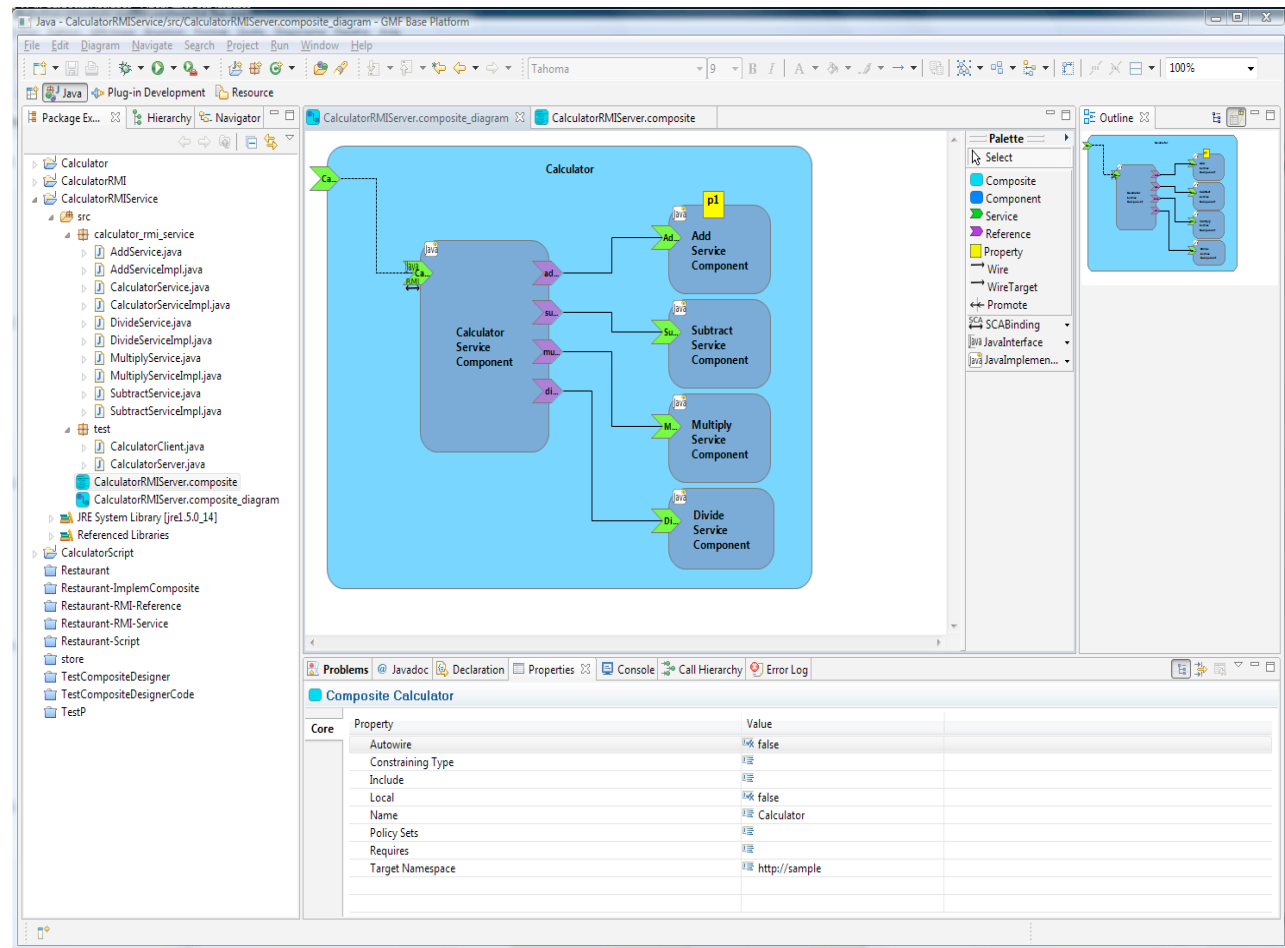


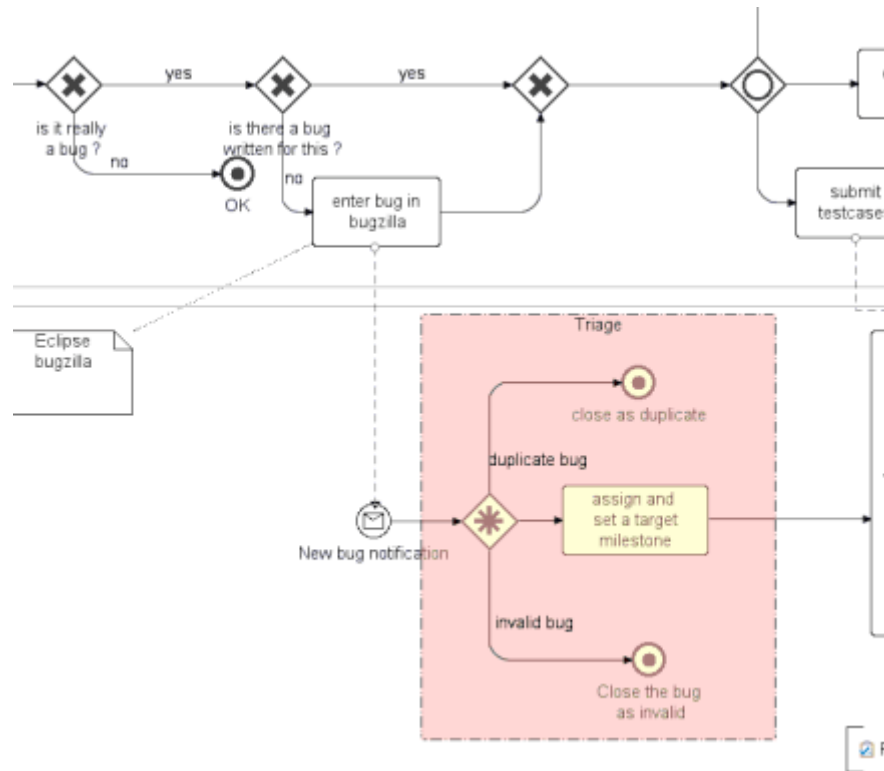


SCA Composite Designer 1.0



- Graphical editor to construct SCA assembly files
- Complies with Open SOA specifications 1.0
- Tuscany SCA elements are supported
- Works with Tuscany and Frascati runtimes





- Graphical editor to build business processes
- Complies with the OMG's BPMN 1.1 standard
- Designed for extensibility





Intermediate SOA Model 1.0



- **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 sources

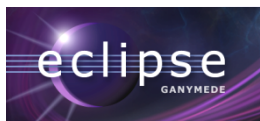
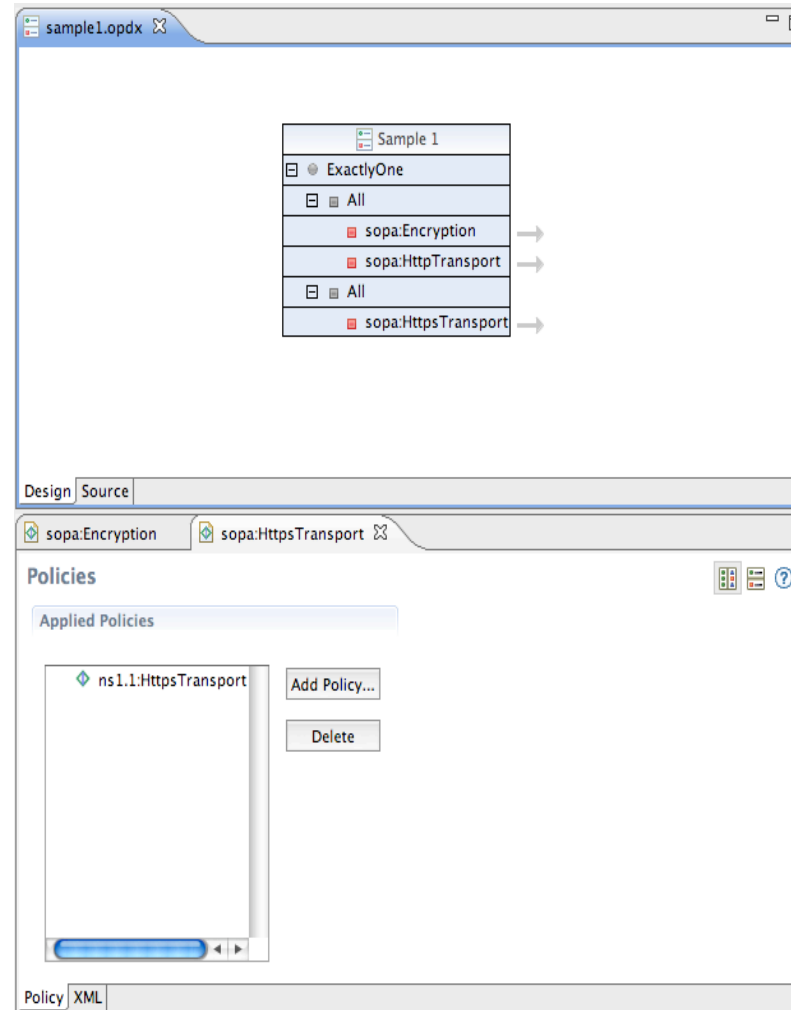




WS-Policy Editor 1.0



- Provides support for editing, validation of WS-Policy files
- Uses standard W3C WS-Policy approaches
- Extensible with custom policy assertions
- Includes policy details editor and assertions editor





BPEL 2 Java Compiler 1.0



- **Provides tool to translate BPEL to Java**
 - Upgraded to be BPEL 2.0 compliant
 - Aimed at embedded applications and test choreography
- **Server integration framework**
 - Allows adaptation to common ESB and other approaches service deployment
 - APIs have been stable
 - Tutorials available – <http://www.eclipse.org/stp/b2j>





Service Creation Framework 0.9



- Delivers a framework for the construction of Java-annotation based Services
- Includes code generation framework for WSDL-based services
- In Ganymede, exemplar code provided for
 - JAX-WS services with JAX-WS RI and CXF 2.1
 - SCA Java services with Tuscany 1.1/1.2
- Future plans include REST/WADL based services, smarter code generation





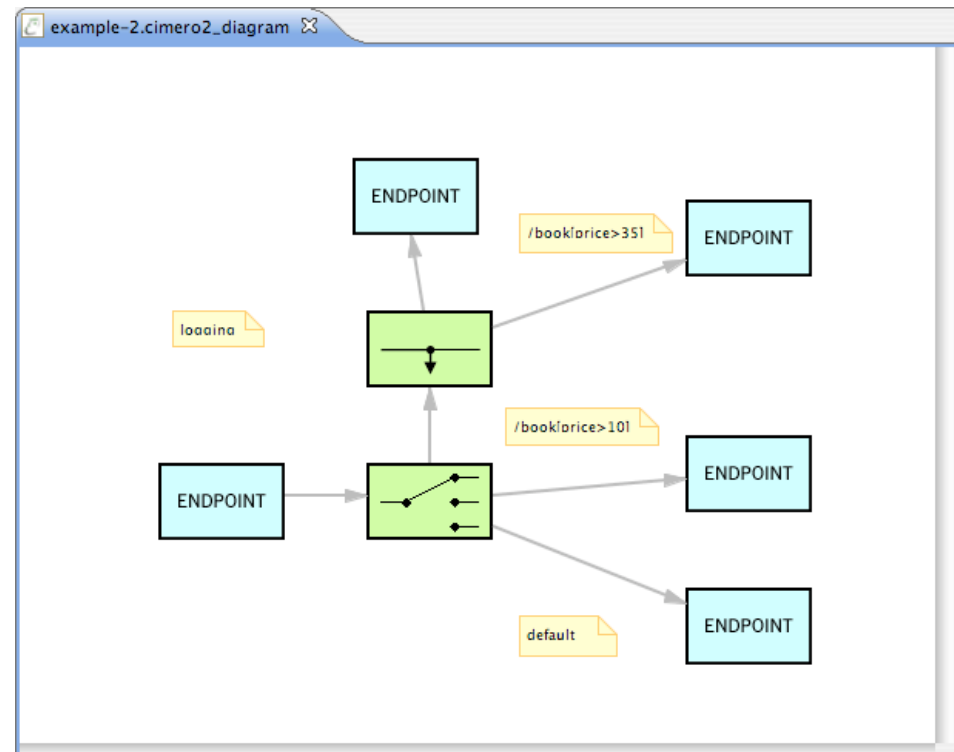
SOA System 0.8



- Provides a flexible and composable deployment model for build artifacts
- For Ganymede, this component successfully integrates with WTP Server Framework
 - Exemplar code using Tomcat
- Original sponsor Sybase has ceased operation with this component – IONA has taken stewardship for the moment
- Future plans include component viability assessment



- Diagrammatic editor for Enterprise Integration Patterns
- Provides a code and configuration generation framework
- Provides a runtime environment extension framework
- Initial runtimes ServiceMix3, PeTaLs, Camel





Scheduling

- STP overall project to reach 1.0 Ganymede
 - Ganymede milestones achieved
- Expectation that all components would reach 1.0 for Ganymede
 - 5 of 8 reached that goal
 - others still need some development before 1.0





Plans post-Ganymede

- Components at 1.0 to become full sub-projects with independent release schedules
- Proposal of an Incubator for new and experimental capabilities
- Integration project to tie together the technologies representing different technology domains
- Individual components have specific plans above and beyond these project-level needs



Thanks!

- Please provide us with your feedback, requirements and issues
- Enhancement requests, bugs to Bugzilla
 - https://bugs.eclipse.org/bugs/enter_bug.cgi?product=STP
- Questions and comment to STP newsgroup
 - <news://news.eclipse.org/eclipse.stp>
- Contributions, queries about project structure to PMC
 - stp-pmc@eclipse.org