



Community Review

SOA Tools Platform : New Components

https://bugs.eclipse.org/bugs/show_bug.cgi?id=207187

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Overview



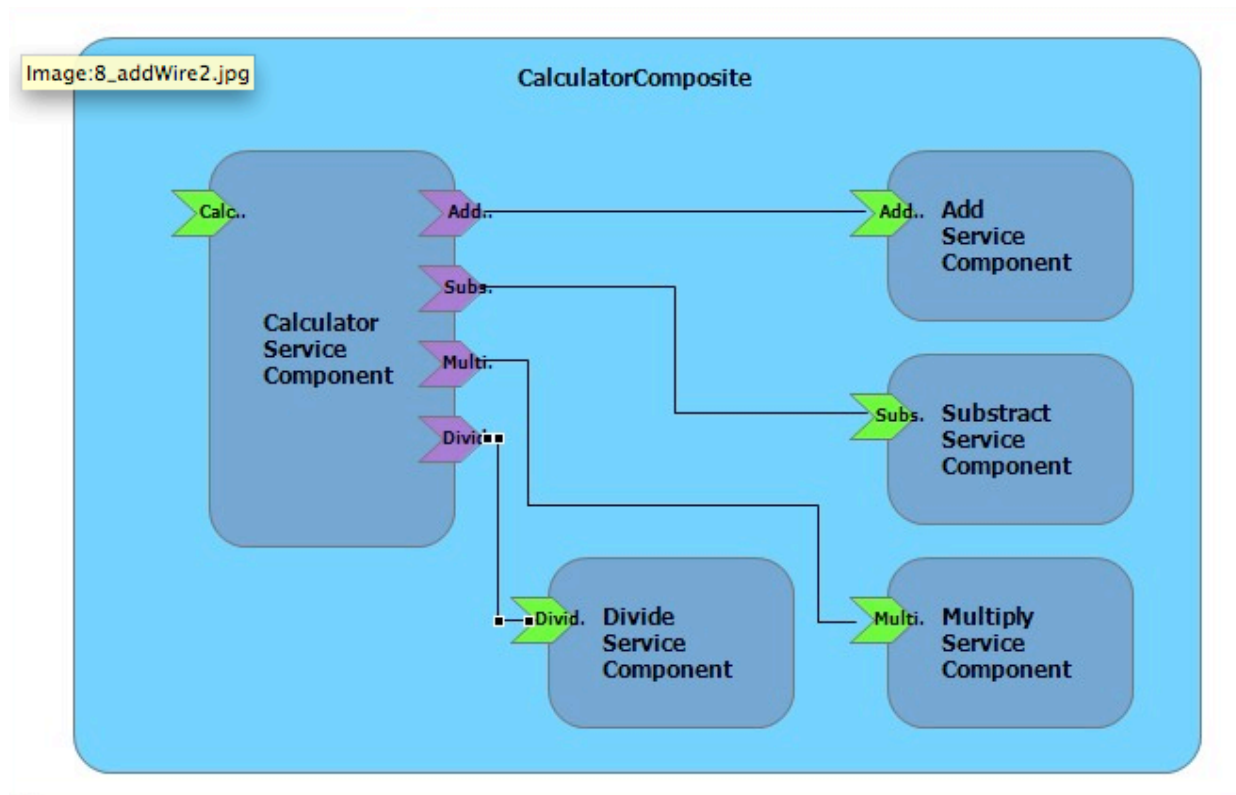
- SOA Tools Platform has increased momentum and has attracted attention
- Four new components that have been accepted as part of the project
- Planned move from CVS to SVN

SCA Composite Designer



- Originally, core elements of STP were SCA specific
- We added support for SCA Java Programming model and deployment
- No graphical construction of SCA artifacts at the level of 'composite'

SCA Composite Designer



SCA Composite Designer



- Contributors
 - SAP
 - Obeo
- Existing Committers
 - Bogdan Vatkov (SAP)
 - Stéphane Drapeau (Obeo - Component Lead)
 - Étienne Juliot (Obeo)
- Component
 - Org.eclipse.stp.sca.editors
 - Org.eclipse.stp.sca.models
- Web page
 - <http://www.eclipse.org/stp/sca>



Policy Designer



- The concept of 'policy' is an essential element of SOA, used to encompass a behavioural statement of intent
- Policies are constructed using an XML syntax and may be 'attached' or associated with Service Description documents, or other artifacts
- Two contributions were made to the project to help users construct and view policy artifacts
- The contributions are complementary, and will reside in the same component, with the goal of integrating their similar policy models.

Policy Designer - Graphical, GMF



The screenshot shows the Eclipse IDE with the Policy Designer graphical editor open. The main window displays a tree view of the policy structure for 'HTTP (secure)'. The tree includes an 'Alternative' element with three children: 'sopa:HttpTransport', 'sopa:Authentication', and 'sopa:Authorization'. A context menu is open over the 'Alternative' element, showing options such as 'Add an Assertion Choice <wsp:ExactlyOne>', 'Add Assertion Union <wsp:All>', 'Delete', 'Show properties', 'Refactor', and 'References'. The Project Explorer on the left shows a project structure with folders like 'consumer-policies', 'operation-policies', 'provider-policies', and 'services'. The Properties view at the bottom indicates that properties are not available for the selected element.

Policy Designer - Graphical, GMF



- Contributors
 - SOPERA

- New Committers
 - Jerry Preissler (SOPERA)
 - Aliaksei Markevich (SOPERA)
 - Alexandr Tselesh (SOPERA)

- Component
 - `Org.eclipse.stp.policy`

- Web page
 - <http://www.eclipse.org/stp/policy>



Policy Designer - Forms-Based



Policy Designer - Forms-based



- Contributors
 - IONA (logo)

- Existing Committers
 - David Bosschaert (IONA)
 - Erica Mitchell (IONA)
 - Jack Lynch (IONA)
 - Dave Beaurpere (IONA)

- Component
 - `org.eclipse.stp.policy`

- Web page
 - <http://www.eclipse.org/stp/policy>

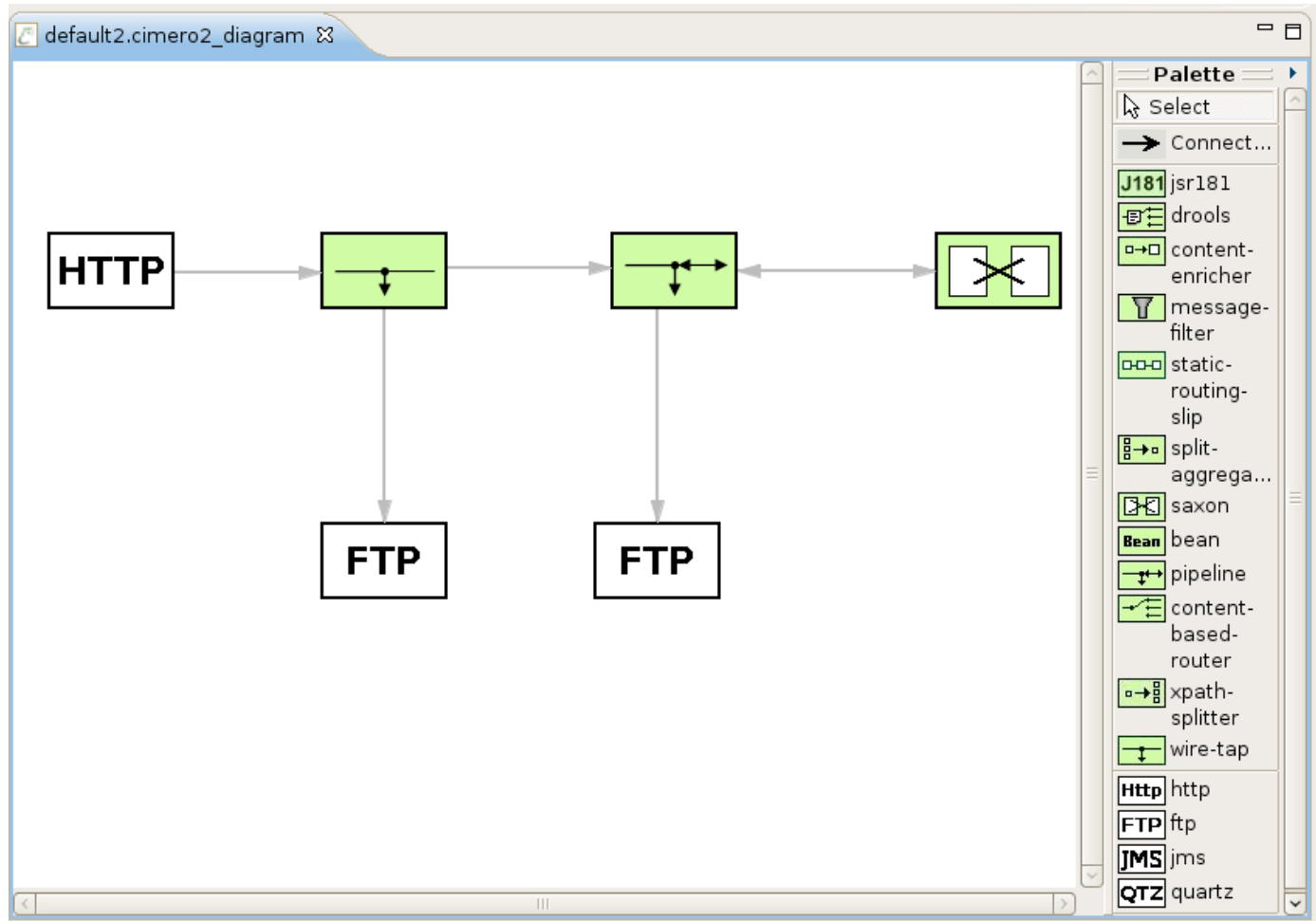


Enterprise Integration Designer



- In moving a project to a scalable service-oriented architecture, it's often the case that original software assets are required to provide the building blocks of the new services.
- This is what's called an *integration challenge*.
- Integration can be difficult and awkward, and is greatly facilitated by having a tool that represent the integration strategies.
- If that tool can generate starting point infrastructure code, then so much the better
- We have had a contribution of just such a tool :)

Enterprise Integration Designer



Enterprise Integration Designer



- Contributors
 - Bull

- New Committers
 - Natacha Bagnard (Bull)
 - Julien Forot (Bull)
 - Jérôme Camilleri (Bull)
 - Guillaume Nodet (IONA)
 - Christophe Hamerling (EBM Websourcing)
 - Nicolas Salatge (EBM Websourcing)

- Component
 - `Org.eclipse.stp.eid`

- Web page
 - <http://www.eclipse.org/stp/eid>



Intermediate Model



- Originally SCA and JBI were the two infrastructures to which the STP was to be purposed.
- Both of these technologies are *similar* but in some sense *orthogonal*, which many people find confusing
- At that early stage, STP determined that a mixed model that could represent the artifacts of both technologies.
- Two volunteers offered to look into this as an interesting topic, and produced the Intermediate Model, which includes artifacts for both of these *plus* the concept of processes

Intermediate Model



- Contributors
 - INRIA
 - Engineering
- Committers
 - Adrian Mos (INRIA - Component Lead)
 - Andrea Zoppello (Engineering)
- Component
 - `Org.eclipse.stp.model`
- Web page
 - <http://www.eclipse.org/stp/model>



Infrastructure Move to SVN



- Discussion on stp-dev 18 Sep
 - <http://dev.eclipse.org/mhonarc/lists/stp-dev/msg00971.html>

- Rationale on the wiki
 - http://wiki.eclipse.org/Migration_to_SVN

- Bug Opened
 - https://bugs.eclipse.org/bugs/show_bug.cgi?id=206300