New and Noteworthy in EPF Composer 1.2

Feature walkthrough
EPF Tools sub-project team
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Themes for EPFC 1.2

- Support OpenUP 1.0 release
- Improve consumability
  - of authoring tools and
  - published site
- Support of new OMG SPEM 2.0 innovations
- Support more platforms and technologies
Key Feature added in EPFC 1.2

- Navigability improvements for published site
  - Bread crumbs
  - Process usage
  - Category sorting
  - Searching
- Organized and scalable method library view
- Improved diagrams
  - GMF based reimplementation
- Improved breakdown structure editor
- Improved rich text editing
- Advanced SPEM 2 concepts
  - Extends-Replaces Variability
  - Fine-granular configurations
- Eclipse shell sharing
- Online Collaboration with Wikis (early access)
Navigability Improvements

Bread crumbs for all pages: What is the location of this page?

Process Usage: In which processes has this element used where?
Deploy as WAR to JEE and do Search
Different ways of sorting categories

Contributions to the categories will be sorted accordingly. Contributor can “suggest” a manual sort order as well.
Organized Library View

1. EPFC automatically creates sorted visual packages in the library view based on punctuation used in the plug-in name.

- Method Plug-in names:
  - teamA.domainX.WP1
  - teamA.domainX.WP2
  - teamA.core
  - teamB.tools.TA
  - teamB.tools.TB
  - teamB.core
Category-Based Configuration Refinement

- Users want to define Configurations across physical package boundaries (e.g. remove an artifact or remove every task of a discipline)
- Allow configurations to be refined by adding or subtracting categories
- Categories provide logical selection layer on top of physical layer
- Best compromise between too fine-granular and too coarse-granular configuration specification
- Four step process for creating a configuration:
  1. Select Method Plug-ins
  2. Select Method Packages within these Method Plug-ins
  3. Select Categories which elements will be added
  4. Select Categories which elements will be subtracted
Improved Configuration Error view

- Support error and warning levels for presenting configuration errors
  - Errors: Missing mandatory input or output
  - Warning: Missing contribution base
  - Information: Missed referenced guidance
- Ability to set filters on error and warning levels
- Extended information about the error or warning
Extends-Replace Variability

- Introduced by SPEM 2 work group
- Variability that combines the effects of extends and replace
  1. Extends-replacing variability element inherits all values from its base element
  2. Extends-replacing element can override specific values and keep all other values of replaced element
- Example applications: Rename an element; Update an elements brief description, change a tasks performing roles
Extends-Replace Example

Role: Team Lead

Leads the planning of the project, coordinates interactions with the stakeholders, and keeps the project team focused on meeting the project objectives.

Role Sets: OpenUP Roles

Relationships

- Team Lead performs
- Team Lead is responsible for

- Assess Results
- Manage Iteration
- Plan Iteration
- Plan Project

Additionally Performs
- Outline the Architecture
- Refine the Architecture

Modifies
- Iteration Plan
- Work Items List
- Risk List

Process Usage
- Initiate Project > Project Manager
- Plan and Manage Iteration > Project Manager
- Develop the Architecture > Project Manager
Improved Diagrams

- Reimplemented activity diagram editor
- Based on Eclipse’s GMF project
- Uses subset of UML2 Activities meta-model for diagram representation
Rich Text Editor Enhancements

- Indent/outdent
- Font selections
- Font size
- HTML Cleanup
- ‘Add links’ in HTML view to facilitate imagemap to method elements in custom diagram or images
- Paste plain text
Miscellaneous EPFC Improvements

• Breakdown structure editor improvements
  – Activity indent/oudent
  – Suppress all tasks at any level
  – Allow multiple descriptors in same activity

• Publishing custom categories with categorized elements
  – Categories are used for tree-browser views as well as for categorizing content
  – In EPFC 1.0 only standard categories were published with the categorized elements
    (e.g. Role Set on Role pages, Discipline on Task pages)
  – EPFC 1.2 supports selecting categories that shall appear with their published elements

• Eclipse 3.3 shell sharing
• Support diagrams in XML export/import
• Additional SCM support
  – Subversion and bug fixing
• New browsers/platform support
  – Mozilla 2, Seamonkey, Vista…
EPF Wiki

- LogicaCMG contribution
- Supports online edits of EPFC published sites: edit, create, comment, compare versions, etc.
- In use at [http://www.epfwiki.net/](http://www.epfwiki.net/)
  - OpenUP public review
  - OpenUP localization projects
  - Scrum and XP content