**Introduction**

The BPMN modeler is:

- a graphical editor
- to model Business Process Modeling Notation (BPMN) diagrams
- compatible with the BPMN 1.0 and BPMN 1.1 specifications proposed by the Object Management Group.
Features

- BPMN model: The core of the modeler. It represents the EMF model used to persist the BPMN diagrams.
- BPMN diagram: The diagram editor itself. It would represent the editor and all its tools.
- BPMN validation: The BPMN validator, it enforces the BPMN specification by flagging the invalid shapes with warnings and errors.
Non-Code Aspects

- Main website:
  - http://www.eclipse.org/bpmn
    - Updated to the Nova theme and cleaned up
    - Wiki home
  - http://wiki.eclipse.org/STP/BPMN_Component/Samples
    - Main page for samples
APIs

- Extension points:
- On bpmn.diagram
  - BpmnDiagramEditorContextMenuContributor
  - DecorationFilter
  - EannotationDecorator
    - Note: there was an API change on this extension point, it is now accepting an Image instead of an ImageDescriptor.
  - FileDnDHandlers
  - SecondarySemanticHintProcessor
APIs

- On bpmn.validation:
  - BpmnFileExistenceConstraintCustomizer
  - BpmnMarkerResolutionProvider
  - ValidationMarkerCreationHook

- Exported packages on the various plugins:
  - No changes since last release.
Architectural Issues

- Project built on top of GMF, so very extensible by nature
- Many ways to extend the project are shown in the samples
- One of the goals of the project is to be very easily embeddable in a product.
- We showed how to extend and rebrand the modeler in our talk during EclipseCon 2008:
Tool Usability

- The modeler uses both the keyboard and mouse to interact with the user.
  - Popup menus may be shown through a key shortcut.
  - Handles show around figures when the mouse hovers on them.
  - Wizards are here to help to connect figures if needed.
  - Drag and drop is heavily involved.
End-of-Life

- None
Bugzilla

- No major defects are present
- A few issues on usability are present
- A few issues regarding the BPMN compatibility are present
- Two contributions are in progress.
Standards

- The modeler complies with the BPMN 1.2 standard.
  - However we need to stick a bit more to the standard:
    - We miss the decorator for ad hoc subprocesses
    - We need to draw a better shape for dataobjects
UI Usability

- We follow the standard user interface guidelines.
- We support internationalization
  - BPMN modeler is declared on Babel
  - It is completely translated in Japanese
  - We support models written in non-latin characters.
Schedule

- The main goal of this release is to issue a very stable modeler
  - Milestones were met
- The goal of adding more quickfixes for validation wasn't met yet
  - We will pursue this work as part of the next release.
Communities

- Bugzilla: not much activity
  - A few contributions, still in the works
- Mailing lists: still new
  - New mailing lists were introduced in October and we haven't had much traffic yet.
- Newsgroup: good activity
  - Mainly users
  - People tend to come there first.
IP Log

- Iplog:
- No contributions were accepted for this release.
IP Issues

- None