# JPA Diagram Editor 0.5.0
# pre-Graduation Release Review



Planned Review Date: TBD

Communication Channel:

wtp-incubator-dev@eclipse.org

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# *Introduction*

- JPA Diagram Editor is an Eclipse editor meant to easily create, view and edit JPA domain models in form of diagrams.

# *Features*

- Manipulates JPA domain models by creating/editing diagrams

- Light and Easy (see tool usability section)

- Integration with existing tools

  - Uses Dali API

  - Integrated with JPA details view

  - Integrated with validation

# Non-Code Aspects

- Project site:
  http://wiki.eclipse.org/JPA_Diagram_Editor_Project

- WTP Incubator forum used:
  http://www.eclipse.org/forums/index.php?t=thread&frm

- JPA Diagram Editor can be accessed through:

    - p2 repository:
      http://download.eclipse.org/webtools/incubator/repositor

# Non-Code Aspects (continued)

- Getting started with JPA Diagram Editor tutorial: http://wiki.eclipse.org/JPA_Diagram_Editor_Project_T

- Demo recording: http://www.youtube.com/watch?v=xZf6pOHX178

# *Non-Code Aspects (continued)*

- Hudson build server setup:
  https://hudson.eclipse.org/hudson/view/WTP/job/cbi-w

- JUnit tests performed on build server:
  https://hudson.eclipse.org/hudson/view/WTP/job/cbi-w

# *APIs*

- There is no API code in 0.5 release
- In 0.5 release all the code is in 'internal' packages
- Based on community requirements some of the code may become API in future

# *Architectural Issues*

- JPA Diagram Editor is built on top of the Graphiti framework

- The architecture is inherited from the last two releases of the SAP NetWeaver Developer Studio

- Registering of JPA entities in persistence.xml is an issue since it causes silent replacement of java persistence objects – Eclipse bug #257530
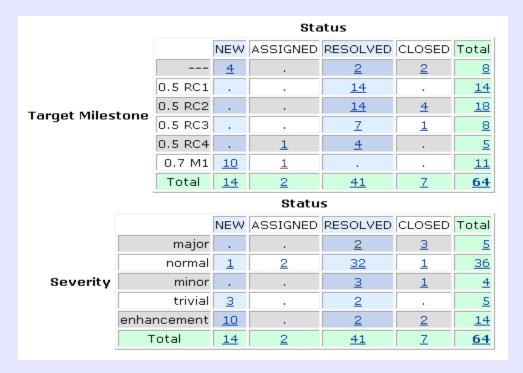
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# *Tool Usability*

- The JPA Diagram Editor is a tool designed to be usable as much as possible by JPA developers. It's aligned with the modern GUI requirements as follows:

  - Light - supports only the most important features, like creating, editing and deleting of Java entities, attributes and relations

  - Avoids usage of dialogs and wizards as much as possible

  - Uses defaults during creation of new objects as much as possible

  - Uses direct editing into the diagram

  - Easy refactoring through direct editing and context menus

# *End-of-Life*

- Since this is the first release this section is not relevant

# *Bugzilla*

- 64 total bugs reported
- 48 fixed for 0.5 release

### Target Milestone — Status

| Target Milestone | NEW | ASSIGNED | RESOLVED | CLOSED | Total |
|---|---|---|---|---|---|
| --- | 4 | . | 2 | 2 | 8 |
| 0.5 RC1 | . | . | 14 | . | 14 |
| 0.5 RC2 | . | . | 14 | 4 | 18 |
| 0.5 RC3 | . | . | 7 | 1 | 8 |
| 0.5 RC4 | . | 1 | 4 | . | 5 |
| 0.7 M1 | 10 | 1 | . | . | 11 |
| Total | 14 | 2 | 41 | 7 | 64 |

### Severity — Status

| Severity | NEW | ASSIGNED | RESOLVED | CLOSED | Total |
|---|---|---|---|---|---|
| major | . | . | 2 | 3 | 5 |
| normal | 1 | 2 | 32 | 1 | 36 |
| minor | . | . | 3 | 1 | 4 |
| trivial | 3 | . | 2 | . | 5 |
| enhancement | 10 | . | 2 | 2 | 14 |
| Total | 14 | 2 | 41 | 7 | 64 |

as of Nov 11th, 2010

# *Standards*

- JPA 1.0

- JPA 2.0 – The editor is enabled for JPA 2.0 projects, but it should be used to visualize JPA 1.0 compliant entities

# UI Usability

- The UI complies with Eclipse UI guidelines
- The strings visible by the end-user are externalized

# *Schedule*

- Initial contribution – August 11-th, 2010
- 0.5 RC1 - August 18$^{th}$, 2010
- 0.5 RC2 - September 15$^{th}$, 2010
- 0.5 RC3 - October 19$^{th}$, 2010
- 0.5 Release – December 1$^{st}$, 2010
- 1.0 Release – planned for Indigo (as part of Dali)

# *Communities*

- Conferences:
    - Eclipse Con 2010 - poster
    - Eclipse Summit Europe 2010 – poster and talk
    - Eclipse Con 2011 – proposals for poster and talk submitted
- Blog entries about the project RCs
- Active Forum
- Bugzilla: external input

# IP Log

- The project leadership verifies that the Eclipse IP policies and procedures have been followed.

- The projects IP Log can be found here: http://www.eclipse.org/projects/ip_log.php?projectid=w

- The above is the IP Log of WTP Incubator project. Only a subset of it is relevant to the JPA Diagram Editor (see next slide)

# *IP Log*

- CQs:
  - 4364, 4446, 4463

- Committers:
  - Stefan Dimov (SAP AG)

- Contributors:
  - all patches by Petya Sabeva (sap.com)

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# IP Issues

- The EMO explicitly asks during the Release Review if any Member would like to assert that this release infringes their IP rights.

- If so, the EMO and the project will follow the Eclipse IP Policy in discussions with that Member.

# *Credits and Kudos*

- Thanks to my colleagues from SAP:
  - Kaloyan Raev
  - Petya Sabeva
  - Alexander Silgidjian
  - Georgi Gerginov
  - Kiril Mitov (ex-colleague)
- Thanks to all the Oracle developers and QAs who opened a lot of bugs in Eclipse bugzilla
- Thanks to all the others who were interested in JPA Diagram Editor and helped us with their feedback