Gaining traceability in the world of Agile ALM stacks
Myllyn Bugzilla

# Patches Applied  Resolved

Source: Eclipse.org

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Contribution Workflow

1. Code
   Create Patch
   Attach Patch
   Update Patch
   Attach Patch

2. Checkout this patch!

3. Doesn't compile.
   Apply Patch
   Compile
   Test
   Review

4. Sorry.
   Fixed. Try again.

5. Test fails.
   Can you check?
   Missed that. Try again.

   Please…
   How is this?

7. Awesome!
   Committed.

8. Approved!

9. Integration tests failed!
   Oops.

Tools:
- Bugzilla
- Git
- Hudson
Friction + Distraction = :-(

Flow + Focus = :-)
Mylyn – From tasks…
...over collaboration...

66: Frank Becker, 24-Jun-2010 12:57 PM

(In reply to comment #65)
> Thanks for putting in this effort Charley! Is the format of the file that
> specifies the workflow transitions documented anywhere?
> 
> Frank, please free to close this bug if we are all done here.

Yes, I think we can close this bug.

67: Robert Elves, 24-Jun-2010 2:19 PM

Frank, I just noticed that the RepositoryConfiguration serialVersionUID didn't get regenerated as part of this change.
...doing code reviews...

```java
/**
 * @return an immutable DirCache instance. A new instance is created
 * current instance is outdated
 * @throws NoWorkTreeException
 * @throws CorruptObjectException
 * @throws IOException
 */

public UnmodifiableDirCache getDirCache() throws NoWorkTreeException,
CorruptObjectException, IOException {

    Shawn Pearce  23-Jan-2011 3:55 PM
    Because the field is volatile, its bad to read it multiple times in the
method. Instead do:

    DirCache ro = readOnlyDirCache;
    if (ro == null || ro.isOutdated()) {
        ro = new UnmodifiableDirCache(getIndexFile(), getFS());
        readOnlyDirCache = ro;
    }
    return ro;
```

Press 'F2' for focus.
to continuous integration!
<table>
<thead>
<tr>
<th>Tool</th>
<th>-</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Git</td>
<td>-</td>
<td>60M LOC</td>
</tr>
<tr>
<td>Bugzilla</td>
<td>-</td>
<td>380K tasks</td>
</tr>
<tr>
<td>Hudson</td>
<td>-</td>
<td>350 jobs</td>
</tr>
<tr>
<td>Gerrit</td>
<td>-</td>
<td>8000 reviews</td>
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<tr>
<td>Ops</td>
<td>-</td>
<td>35TB/month</td>
</tr>
</tbody>
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**ALM at Eclipse**
Developer Populism

I used to tell my developers what tools to use, but now they are increasingly telling me. Next thing you know I will be letting them bring their own laptops into work!

CIO, Large Financial Company
Project and Portfolio Management

CA Clarity

Application Lifecycle Management (ALM)

Requirements Management (RM)

Agile Planning

Quality Management (QM)

Development

Issue Tracking (CM)

SCM

CI

IDE
ALM Strategy

- Heterogeneous ALM stack is reality
  - Best of breed / acquisitions / reorgs
- Integrate or die
- Get connected
  - Eclipse Mylyn
  - OLSC
Real world is messier
Mylyn ecosystem

Enterprise ALM
- Agile Vision
- RTC, RRC
- ReqPro, ClearQuest
- HP ALM, ALI, Quality Center
- Microsoft TFS

Agile ALM
- Borland
- ThoughtWorks Studios
- Accept Software
- JIRA
- Atlassian
- VersionOne
- Polarion
- Rally Software

More
- SmartBear
- Perforce
- CollabNet
- Bugzilla
- Trac
- Mantis
- Subversion
- Git
- CVS
- Hudson
- Jenkins

Tasktop Certified
Questions?
eclipse.org/mylyn
tasktop.com
OSLC Integration

- Open Services for Lifecycle Collaboration
- Linking data through HTTP
  - HTTP
  - RESTful based CRUD
  - RDF / Linked Data
- Linking data through HTML
  - Link to a new or existing resource
  - Preview resource in another tool