Use Cases

Use Case: Getting a new project

How to do it:

• go to the project page: http://projects.eclipse.org
• search for your project
• read the documentation (sometimes there are specific features to install)
• If you don’t have the resources to download the code, find it on the git project page: http://git.eclipse.org
Use Case: Configure gerrit

How to do it:

- In the gerrit configuration settings, generate the https password:
  [https://git.eclipse.org/r/#/settings/http-password](https://git.eclipse.org/r/#/settings/http-password)

- In the git repository view open the gerrit configuration dialog and enter your gerrit user name:
Use Case: Starting to work on a single bug

How to do it:

- Check if the bug still exists!
- Take the bug on bugzilla (assigned status)
- Fix the code (it is not necessary to create a branch)
- When it is ok, commit with this message:

  Bug XXXXX – Title of the bug  (→ can be copied from bugzilla)
  Some explanations
  Signed-Off:  your name  (→ set automatically with button)
  Change-ID:  computed

![Commit Message](image)
Use Cases

<table>
<thead>
<tr>
<th>Use Case : Push to gerrit</th>
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<tbody>
<tr>
<td>You want to publish for a review after a commit</td>
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**How to do it :**

- First ensure that the repository did not change since you started your modification. → Do a fetch
  - If there are changes, → Do a rebase
  - If there are any conflicts, fix them and commit if needed
  - Test again
- Push (to refs/for/master)

**Possible troubles :**

- CLA is not signed
- email address used for CLA must match the email address in commit message
- git email address must match the email address in CLA
## Use Case: My review has been refused

**Cause**: your code is bad or failed

**Solution**: respond to the review comment, and try to fix or abandon the change.

### How to do it:

- On the gerrit web page answer to the reviewer
- Get the code of the commit:
  - if you still work on this commit, continue
  - if necessary fetch the review from gerrit (Team->Remote->Fetch from gerrit...) and get the latest patch using this dialog:

  ![Fetch a change from Gerrit](image)

  - Enter the review ID and then ‘ctrl Space’ to get the patch

  to get the review ID check the review’s URL:
  - [https://git.eclipse.org/r/#/c/46354/](https://git.eclipse.org/r/#/c/46354/)

- Fix the bug
- **Amend** the commit and push again (**don't change the commit ID**)
## Use Case: Testing the build

<table>
<thead>
<tr>
<th><strong>Cause</strong></th>
<th>you have changed your architecture (features, plugins,...)</th>
</tr>
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<tbody>
<tr>
<td><strong>Solution</strong></td>
<td>just launch a local build</td>
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</tbody>
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**How to do it:**

- launch the maven pom on the project with `mvn clean install`
- anyway gerrit will fail if there are building problems.
### Use Case: My review is accepted but cannot be merged on repository

<table>
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<tr>
<th>Cause</th>
<th>The repository has advanced and the review is behind the current repository.</th>
</tr>
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<tbody>
<tr>
<td>Solution</td>
<td>rebase</td>
</tr>
</tbody>
</table>

**How to do it:**

- On the gerrit page of the review, click on the 'Rebase button'

**Possible troubles:**

Conflict → go back on Eclipse, resolve and push again the review (amend the commit with same commit ID).