Contributing to an Eclipse Project
Who Are We?

Olivier Prouvost
- OPCoach (www.opcoach.com), Eclipse trainer and consultant
- Committer e4 Tools and Eclipse Platform

Wayne Beaton
- Director of Open Source Projects
- The Eclipse Foundation
- Committer on a bunch of projects
- Contributor for a bunch of projects
- Project mentor on everything
Contributor? Committer?

Contributor

- Open bugs, answer questions, submit patches

Committer

- Open/Triage/Close bugs, answer questions, write code
- Review and accept patches
- Interact and develop the project community

Contributors with an established record of quality contribution may be invited to join the project team as a committer
What is an Eclipse IDE?
Eclipse Contributor Agreement

Essentially…

- You have authored 100% of the content.
- You have the necessary rights
- Provided under the license(s) associated with the project
- Public record of the contribution

Read the full document.

All contributors must sign the ECA.

https://www.eclipse.org/legal/ECA.php
Configure Your Development Environment

For Eclipse Platform Development:

- Download the latest nightly/integration build
- http://download.eclipse.org/eclipse/downloads
- https://wiki.eclipse.org/Platform_UI/How_to_Contribute

For other Eclipse Projects, use the advanced mode installer

- “Eclipse Oomphed” with Eike Stepper and Ed Merks

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... or Quick and Simple

- Download “Developer Builds”
  - [https://www.eclipse.org/downloads/packages/](https://www.eclipse.org/downloads/packages/)
  - “Eclipse IDE for Eclipse Committers”
- OR… Latest integration build
- Run with new workspace
Finding “Where” in the Code

Plug-in Spy (Shift+Alt+F1)
Menu Spy (Shift+Alt+F2)
Stack trace in .metadata/.log file
Bugzilla (helpwanted, bugday)
Find an Error in Your Instance...
... Or Debug It
Get the Code (from Plug-in View)
Target Platform

- The set of bundles that project code builds and runs against

https://github.com/eclipse-cbi/targetplatform-dsl

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API Baseline

- Compatibility analysis
- Can be different from the target platform

The code Compiles against Target Platform

Compatible with API Baseline

https://wiki.eclipse.org/Platform_UI/How_to_Contribute

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Configure for Gerrit Code Review
Anatomy of a Git Commit Record

commit d6cf52411377a039fc2906378711091a26e932cb
Author: Some Body <somebody@somewhere.com>
Date: Wed May 29 16:17:36 2013 +0200

Bug 350686 - Hide unwanted action bar items
This change hides unwanted 'Link with Editor' and 'Customize View...' items from the local toolbar and the view menu.

Change-Id: Ia2bd5091303d1b0a738157effc24e4dac5a7d0c7
Also-by: Some Bodyelse <somebodyelse@nowhere.com>
Signed-off-by: Some Body <somebody@somewhere.com>
Let’s Get Started
Use cases/Recipes/Cheat Sheets

Look for them on the EclipseCon Website!