Eclipse Committer Orientation

The Eclipse Development Process

eclipse.org/projects/dev_process
emo@eclipse.org
The Eclipse Development Process

- Open source rules of engagement
- Governance, structure, definitions, reviews
- General framework for projects
- Day-by-day development rules/process is defined by the project
Open Source Rules of Engagement

- **Transparent**
  - Project discussions, minutes, deliberations, project plans, plans for new features, and other artifacts are open, public, and easily accessible

- **Open**
  - The same opportunity to all
  - Everyone participates with the same rules

- **Meritocracy**
  - The more you contribute the more responsibility you will earn
  - Committer/Project lead elections
Vendor Neutrality

- Open to all comers, including competitors!
- Vendor neutral resources and services
  - Project website
  - Issue tracker
  - Mailing lists and forums
  - Downloads
  - VCS/Git
- Committers must work in the open
- **Freedom of action**
  - GitHub services backed up on EF servers
Three Communities

• Users
  – Users are, well... users

• Adopters
  – Individuals, groups, organizations
  – Build products, extensions, based on your project

• Developers
  – Contributors, committers
Writing code is fun, but...

- Open source rules of engagement
  - Transparency, openness, meritocracy
- Have project-specific diversity goals
  - Building diversity takes work
- Actively court contributors
- Be responsive when they do come
  - “Kill with kindness”
Branding

• Include “Eclipse” in project name
  – First and most prominent web page occurrences

• Project names are trademarks of the Eclipse Foundation
  – Observe trademark guidelines

• For example...
  – “Eclipse Jubula™”
Contribution Guide

- Git, Gerrit, GitHub, ...
- Issue tracking (Bugzilla)
  - *helpwanted* or *bugday* issues
- Project plan
- How to build
- How to engage (mailing lists, forums, issues)
Eclipse Contributor Agreement

- Contributors must digitally sign the ECA
  - You have authored 100% of the content
  - You have the necessary rights
  - Provided under the license(s) associated with the particular project
  - Your contributions are public
- Contributors must *sign-off* on each commit

Contributions via Git

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

[123456] Hide unwanted common navigator action bar items

This change hides unwanted 'Link with Editor' and 'Customize View...' items from the local toolbar and the view menu.

See bug 409722 for restoring the feature of activating the editor when changing the selection using 'Link with Selection'.

Bug: https://bugs.eclipse.org/123456
Change-Id: Ia2bd5091303d1b0a738157effc24e4dac5a7d0c7
Also-by: Some Bodyelse <somebodyelse@nowhere.com>
Signed-off-by: Some Body <somebody@somewhere.com>
Intellectual Property Management

• IP Team review required for
  – Initial contribution
  – Non-committer contributions > 1KLOC
  – Third-party libraries

• Engage via IPZilla
  – Contribution Questionnaire (CQ)
  – emo-ip-team@eclipse.org

IP Due Diligence Types

• Type A
  – License compatible

• Type B
  – License compatible
  – Provenance checked
  – Scanned for anomalies
First Release

Submit Initial Contribution

Push to Git

Build and Distribute (milestones)

Release

IP Team "Check-in"

IP Team Approval
Release Review

- Major/minor releases
  - Release review
  - IP Log approval
  - Plan to spend time planning/documenting release

- Service/Bugfix-only releases
  - No review
  - No IP Log approval
IT Services

- Connect with the Webmaster for IT support
  - Git repositories, builds, downloads
  - Permissions
- Connect via Bugzilla (Community/*)
- webmaster@eclipse.org
Eclipse Project Handbook

• All-in-one guide for project leads and committers
• Starting a new project
• Forge-specific variations:
  – eclipse.org/projects/handbook
  – polar.sys.org/documentation/handbook
  – locationtech.org/documentation/handbook
Incubation Mailing List

- Connect with other incubating projects
- Connect with mentors
- http://dev.eclipse.org/mailman/listinfo/incubation
- incubation@eclipse.org
Project Metadata

• Used for discovery and drives various processes and systems
  – e.g. IP Log generator, notices to members and committers

• Description, scope, logo, technology type
  – “Elevator pitch”

• Source code, builds, issue tracker

• Releases, relationships to other projects, build technologies
Project Metadata: The PMI

Buildship: Eclipse Plug-ins for Gradle

Buildship is a collection of Eclipse plug-ins that provide support for building software using Gradle. Buildship aims to provide a deep integration of Gradle into Eclipse. Buildship also aims to make the Eclipse IDE more powerful by allowing the user to do more from within the IDE.

Buildship 1.0 is targeted towards Gradle users. Later versions will target Gradle build masters.

http://projects.eclipse.org/projects/<projectId>
Keep Project Information Up-to-date

- Project and release metadata, website, downloads
- Project code must be buildable
- Have a contribution guide
  - “Getting started”
  - CONTRIBUTING file in project repositories
  - https://bugs.eclipse.org/397644
Things that We Didn't Talk About

- Committer and Project Lead Elections
- Graduation from Incubation Phase
- Committer Paperwork
- Starting an open source project
- IP Logs
Links and Stuff (1/3)

• Cross Project Issues Dev mailing list
  – https://dev.eclipse.org/mailman/listinfo/cross-project-issues-dev

• Project-specific mailing lists
  – https://dev.eclipse.org/mailman/listinfo/<short-name>-dev
  – https://dev.eclipse.org/mailman/listinfo/<pmc-short-name>-pmc

• Development Resources
Links and Stuff (2/3)

- Eclipse Development Process
  - http://www.eclipse.org/projects/dev_process
- Committer Due Diligence Guidelines
- Eclipse Project Handbook
- Contribution Guide
  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=397644
  - http://git.eclipse.org/c/egit/egit.git/plain/SUBMITTING_PATCHES
Links and Stuff (3/3)

- Incubation Branding
- Handling Git/Gerrit Contributions
- Download Scanner
- Bugzilla Contributions Review
- IP Logs
- IP Log Generator