1st Rule of Contribution Club

Tell everybody you know about Contribution
Open Source Rules of Engagement

- Transparent
  - Invite participation
- Open
  - Accept participation
- Meritocracy
  - Earn your way in

YOU CAN DO IT
Contribute

• Create bugs, ask for features
• Provide patches, test cases, etc.
• Write docs (ugh!)
• Test Nightly builds
• Ask and answer questions in forums
• Evangelize
• Speak at EclipseCon!!
2nd Rule of Contribution Club

Tell EVERYBODY you know about Contribution
Become a Committer

- Establish a pattern of providing quality contributions
- Contributors are invited to join
- Transparent vote
Committers and Resources

- Uniform access to all project resources
- With awesome power comes awesome responsibility
3rd Rule of Contribution Club

Things Evolve
Technology Time Line (Approximate)

- PDEBuild Shell Scripts cron CVS
- +SVN
- "Athena" PDEBuild+ Shell, PHP cron
- 2008
- Hudson
- 2009 +Git
- 2010
- Maven Tycho
- Gerrit
- 2012 Continuous Integration
Are We There Yet?

• This is not the “there” you're looking for
  • There is no “there”
Recipe for Success
4\textsuperscript{th} Rule of Contribution Club

Engage with the Community
Community

• End Users
• Adopters
  • Groups, individuals who base products on your project's code
• Developers
  • Contributors and Committers
• All are important (or are they?)
The Simultaneous Release

![Bar chart showing the number of projects and million LOC for different releases from Eclipse 3.0 to Kepler.](chart.png)
The Four Cs

- Code
- Community
- Cleanliness
- Cwality
5th Rule of Contribution Club

Keep your Intellectual Property Clean
Intellectual Property

Intellectual property (IP) is a term referring to a number of distinct types of creations of the mind for which a set of exclusive rights are recognized—and the corresponding fields of law.

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Intellectual Property Management

• Assumption: Open Source Projects want to be “successful”
  • Rate of adoption is a key success metric
• Assertion: IP Management is important in every open source project
• Clarification: IP Management is important in source project that cares about adoption
Cleanliness

• Where does the code come from?
  • Who owns the copyright?
  • Is the owner really the owner?
  • What license does the owner grant?

• All code is subject to the Eclipse Due Diligence Process

CLA

1. Did you author 100% of the content your contributing?
2. Do you have the rights to contribute the content to Eclipse?
3. Are you contributing the content under the project licenses?
6th Rule of Contribution Club

Understand the tools
The Eclipse ALM “Stack”
Gerrit Code Review

• Any contributor can push to Gerrit repository
• Review/vote before merging with master
  • Committer votes
  • IP “vote”
  • Hudson continuous build “vote”

http://git.eclipse.org/r
Core CBI Technology

- Hudson
- Git
- Maven/Tycho
- eclipse.org build signing
- Nexus (Maven repository)
Tracking IP

- Licenses;
- Third-party libraries;
- Developers;
- Contributors and contributions


Project Management Infrastructure

Contribute to this project:
A project can only accept contributions that have been properly signed-off by the contributor. Please read Contributing to a project for more information.

You can use the code from these repositories to experiment, test, build, create patches, issue pull requests, etc. Click the icon to contribute via Gerrit (please see contributing via Gerrit). Click the icon to visit and fork a GitHub mirror of the repository. Clone the repository directly using the git or ssh provided URL.

- tycho-demo
  - git://git.eclipse.org/gitroot/tycho/org.eclipse.tycho-demo.git
  - ssh://userid@git.eclipse.org/gitroot/tycho/org.eclipse.tycho-demo.git

- tycho_extras
  - git://git.eclipse.org/gitroot/tycho/org.eclipse.tycho.extras.git
  - ssh://userid@git.eclipse.org/gitroot/tycho/org.eclipse.tycho.extras.git

- tycho
  - git://git.eclipse.org/gitroot/tycho/org.eclipse.tycho.git
  - ssh://userid@git.eclipse.org/gitroot/tycho/org.eclipse.tycho.git

- tycho_p2-fork
  - git://git.eclipse.org/gitroot/tycho/org.eclipse.tycho.p2-fork.git
  - ssh://userid@git.eclipse.org/gitroot/tycho/org.eclipse.tycho.p2-fork.git

http://wiki.eclipse.org/Project_Management_Infrastructure

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7th Rule of Contribution Club

If this is your first time at Contribution Club, you have to contribute
Contribution Cheat Sheet

Committer Doc:  http://dev.eclipse.org
Bugzilla:       http://bugs.eclipse.org
Git:           http://git.eclipse.org

Project/IP help: Wayne emo@eclipse.org
IT/build help:  Denis webmaster@eclipse.org
Complaints:     Mike nobody@eclipse.org

Reaching out to peers:
cross-project-issues-dev@eclipse.org
eclipse.org-committers@eclipse.org