Developing Applications with Eclipse Mars

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Who we are and why we are here!

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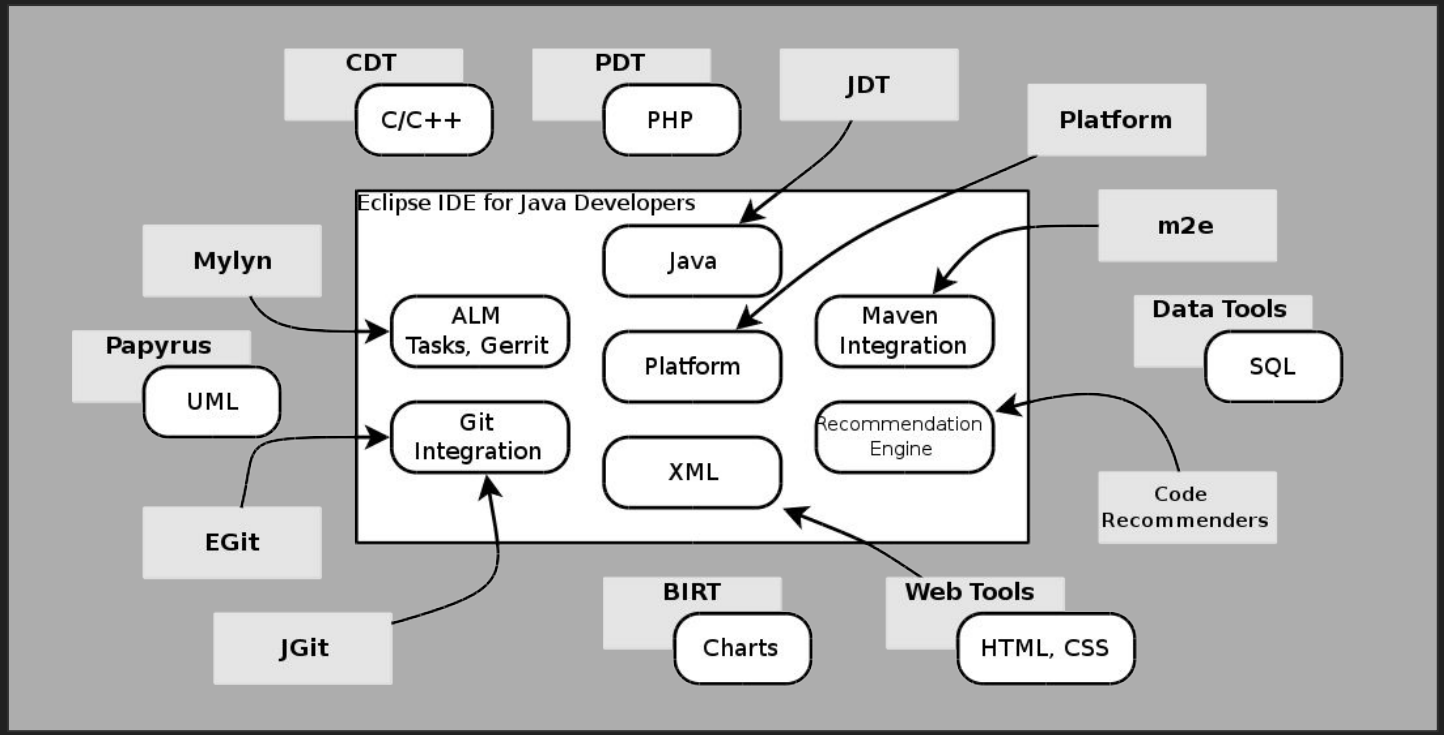
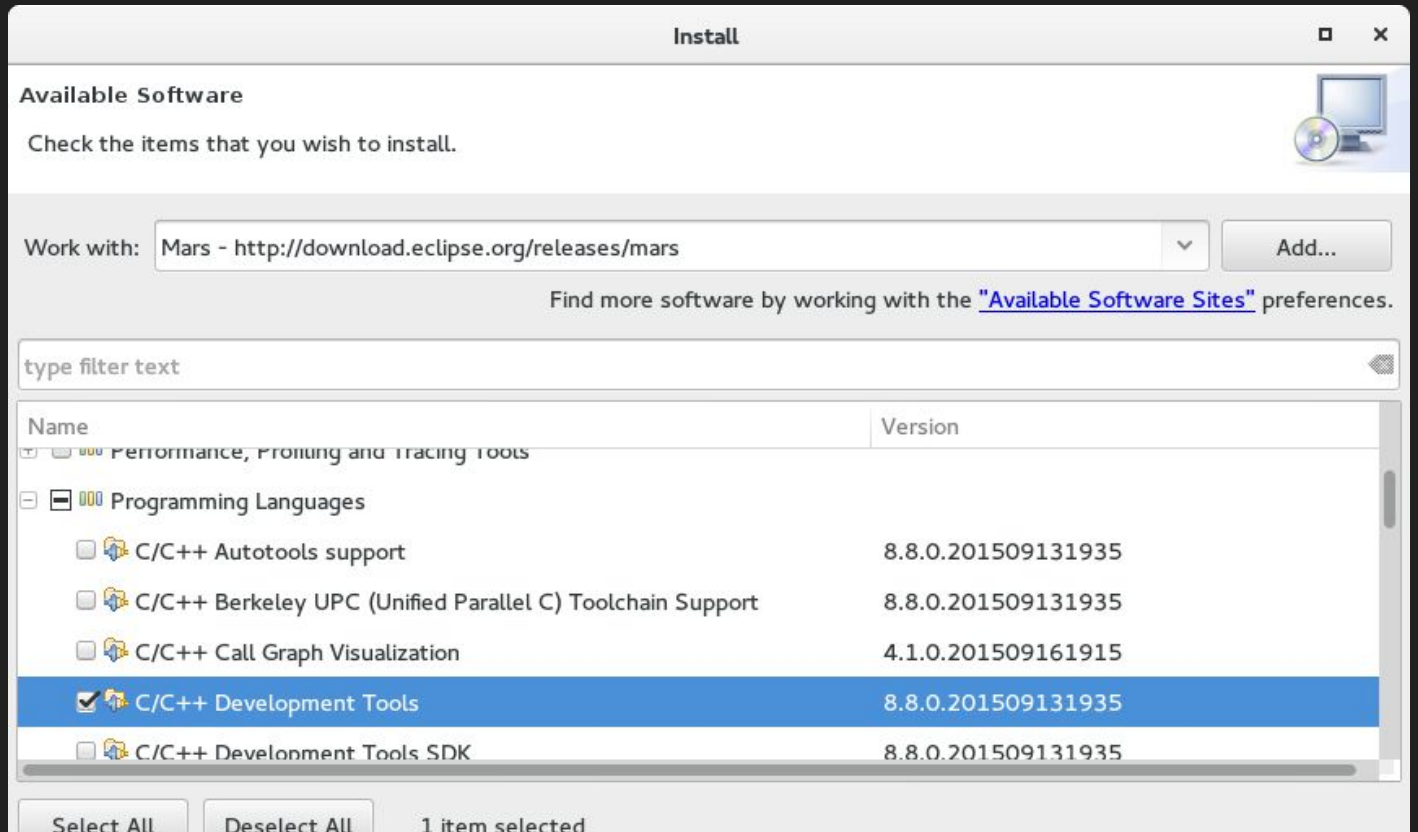
What is an Eclipse IDE?



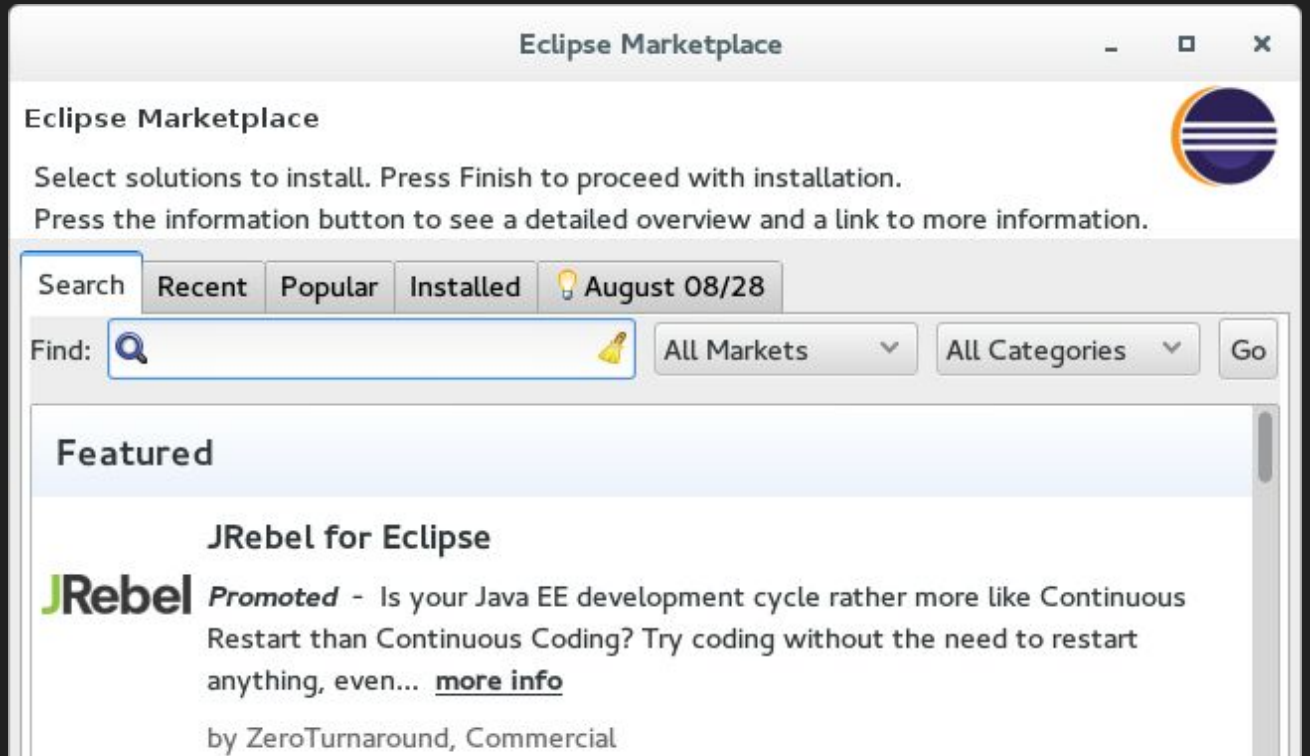
What is Mars?

- Neon, June 2016
- **Mars, June 24, 2015**
- Luna, June 25, 2014
- Kepler, June 26, 2013
- Juno, June 27, 2012
- Indigo, June 22, 2011
- Helios, June 23, 2010
- Galileo, June 24, 2009
- Ganymede, June 25, 2008
- Europa, June 27, 2007
- Callisto, June 26, 2006

Adding Mars Features to your Eclipse IDE



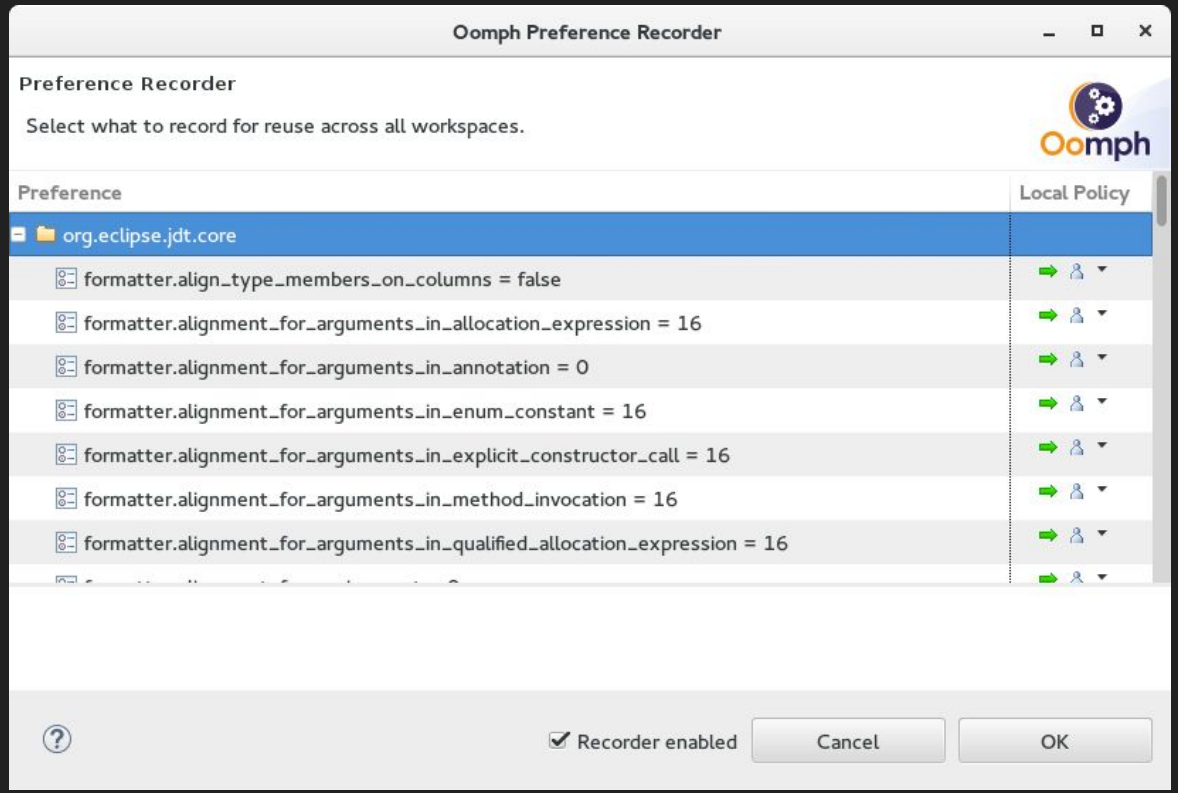
Eclipse Marketplace Client



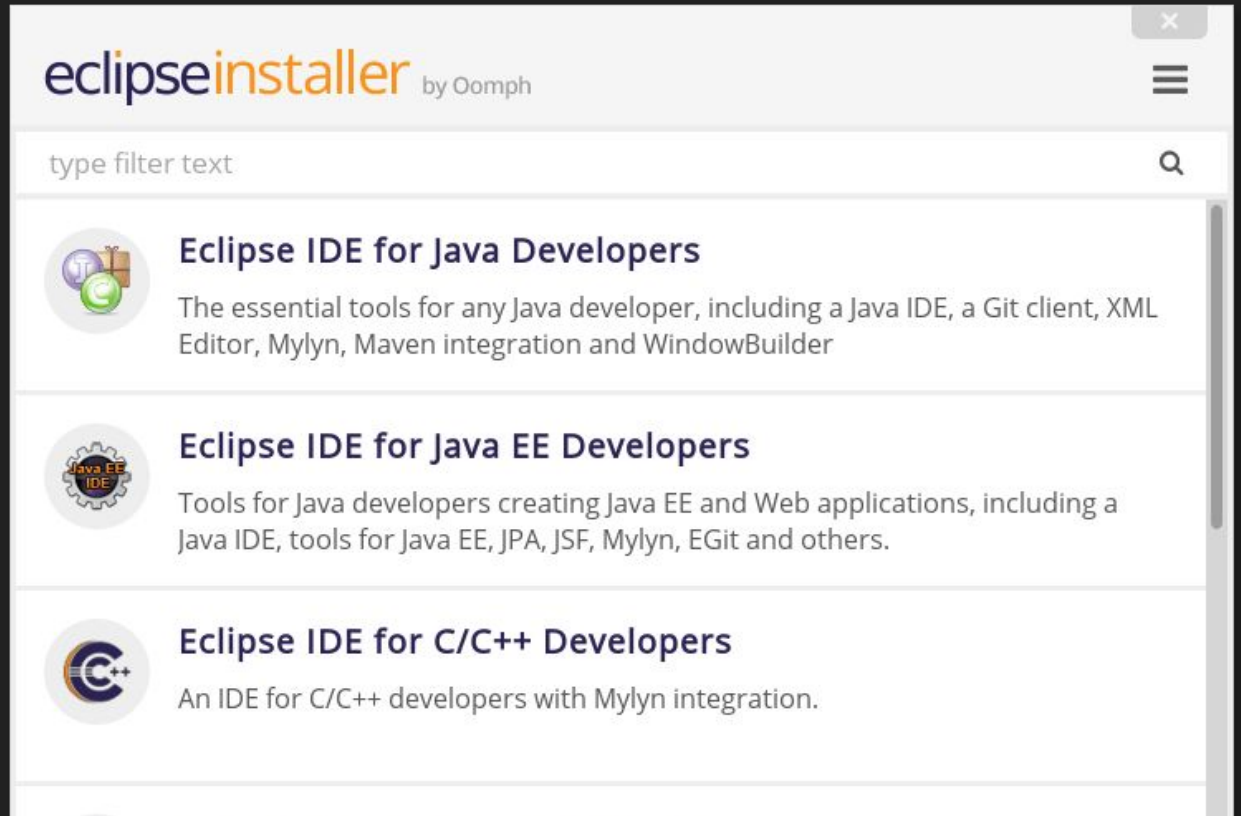
Big Things in Mars

- Installer/Workspace configurer
- Buildmore Gradle builds in Eclipse
- SWTBot, RCP Testing Tool
- e(fx)clipse: e4 + JavaFX
- Error reporter
- Preferences recorder
- Eclipse bundled as a proper "Mac App"
- New Java code formatter
- SWT/GTK 3.x support
- Andmore Android Development Tools*

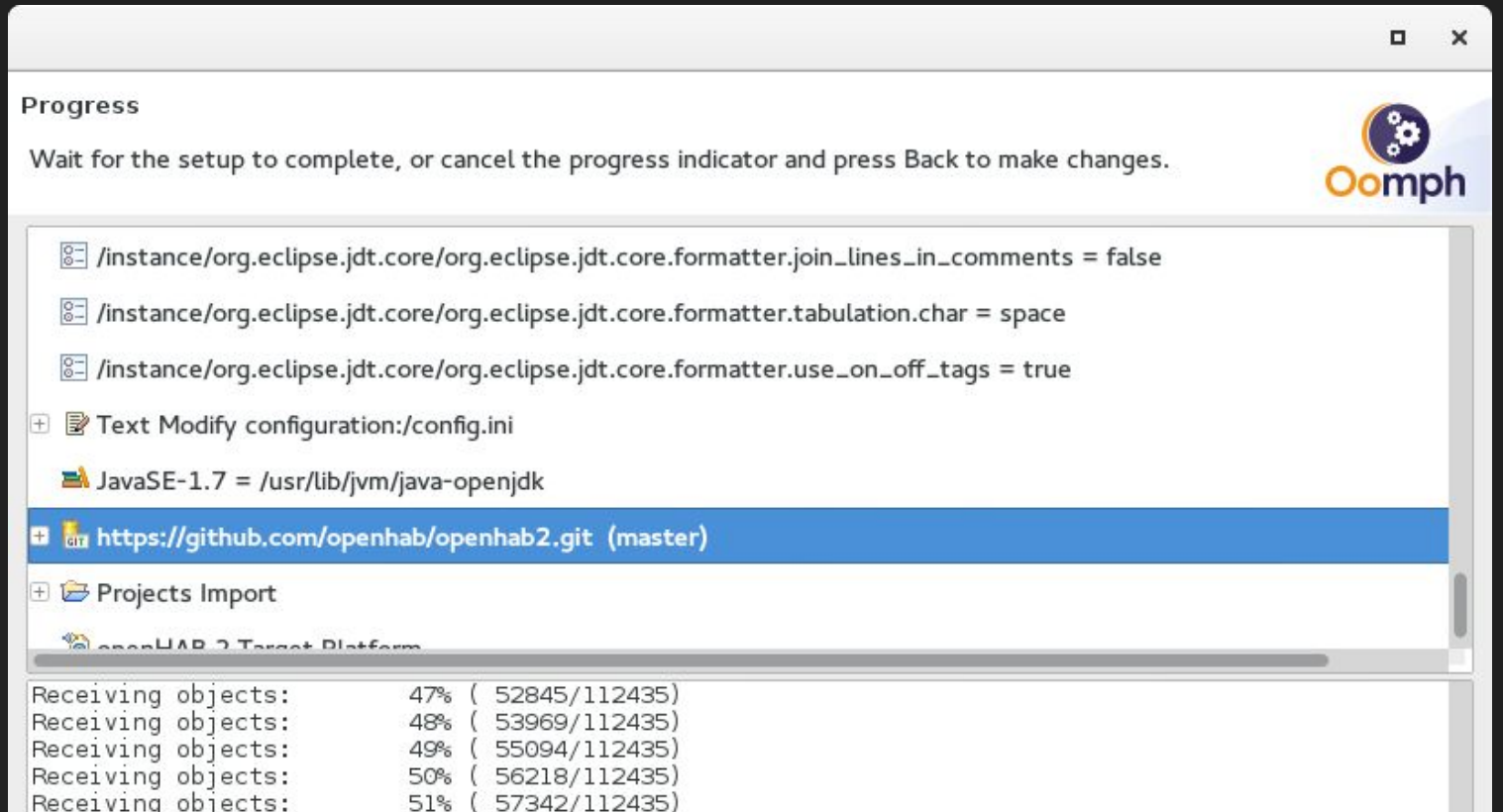
Preferences Recorder



An Installer with Oomph



Demo: Configure for Development



Gradle Integration...

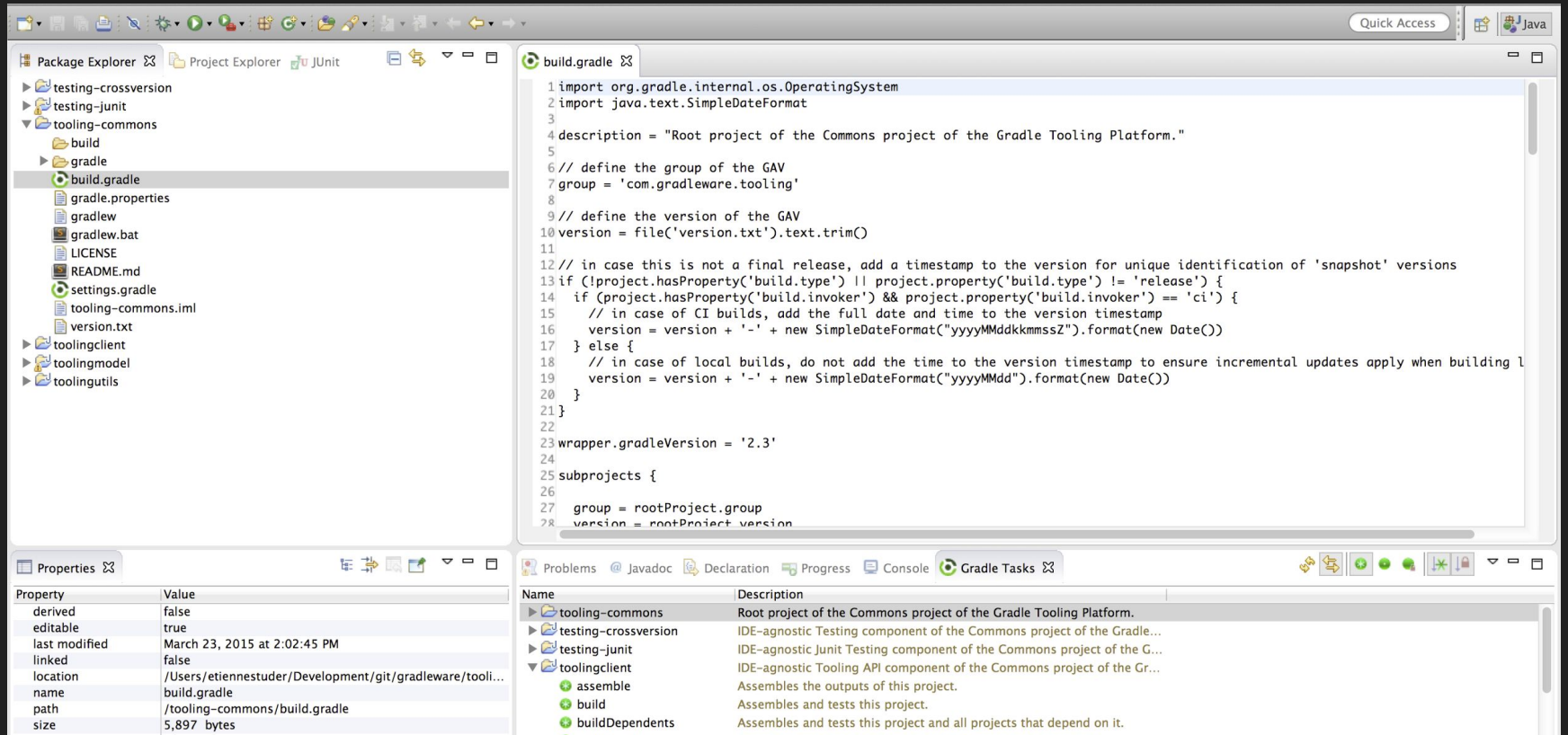
Version 1.0 (Mars)

- Import an existing Gradle project or create a new one
- Gradle Tasks View shows tasks parsed out of the build script
- Create and launch Gradle Run Configurations, execute Gradle builds
- Visualize progress in the Gradle Executions View

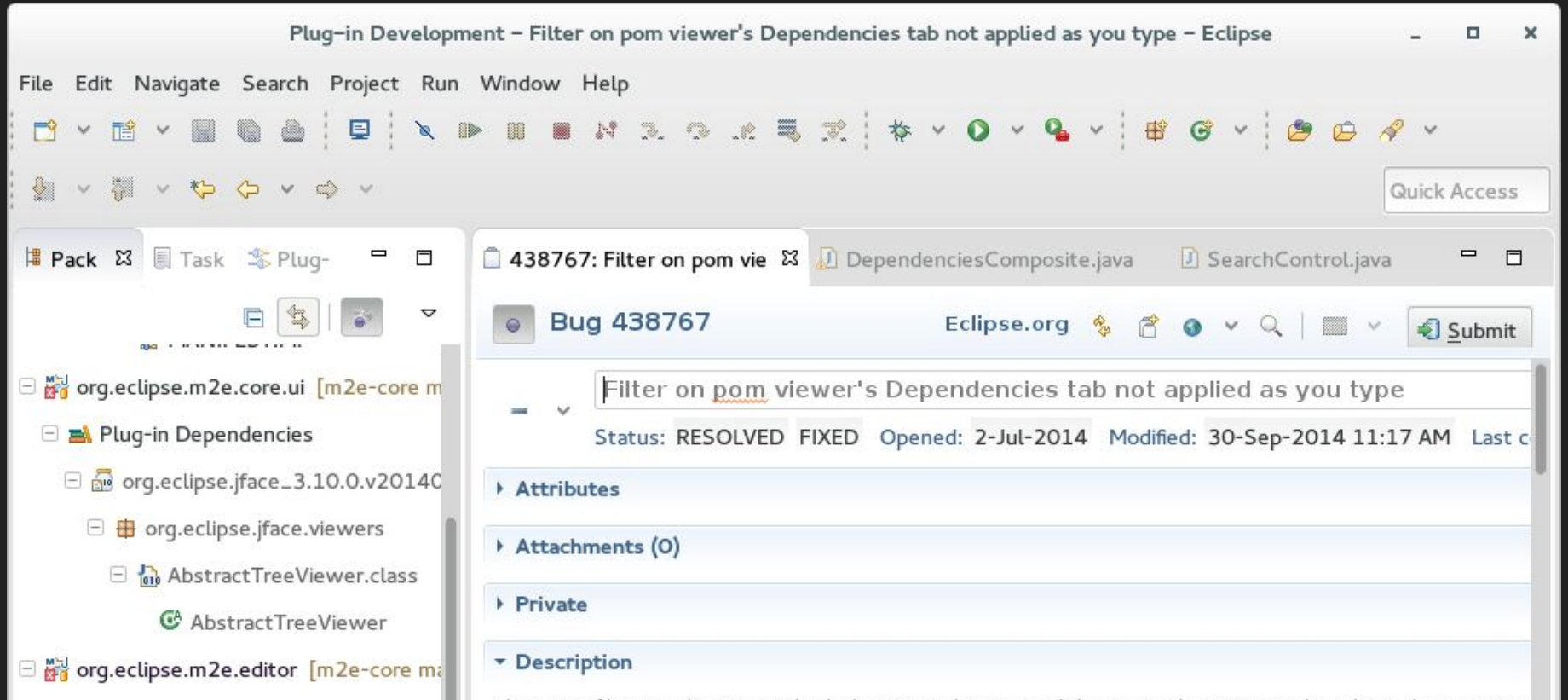
Version 2.0 (Neon, June 2016)

- Test debugging
- Syntax highlighting, code completion
- Dependency lookup

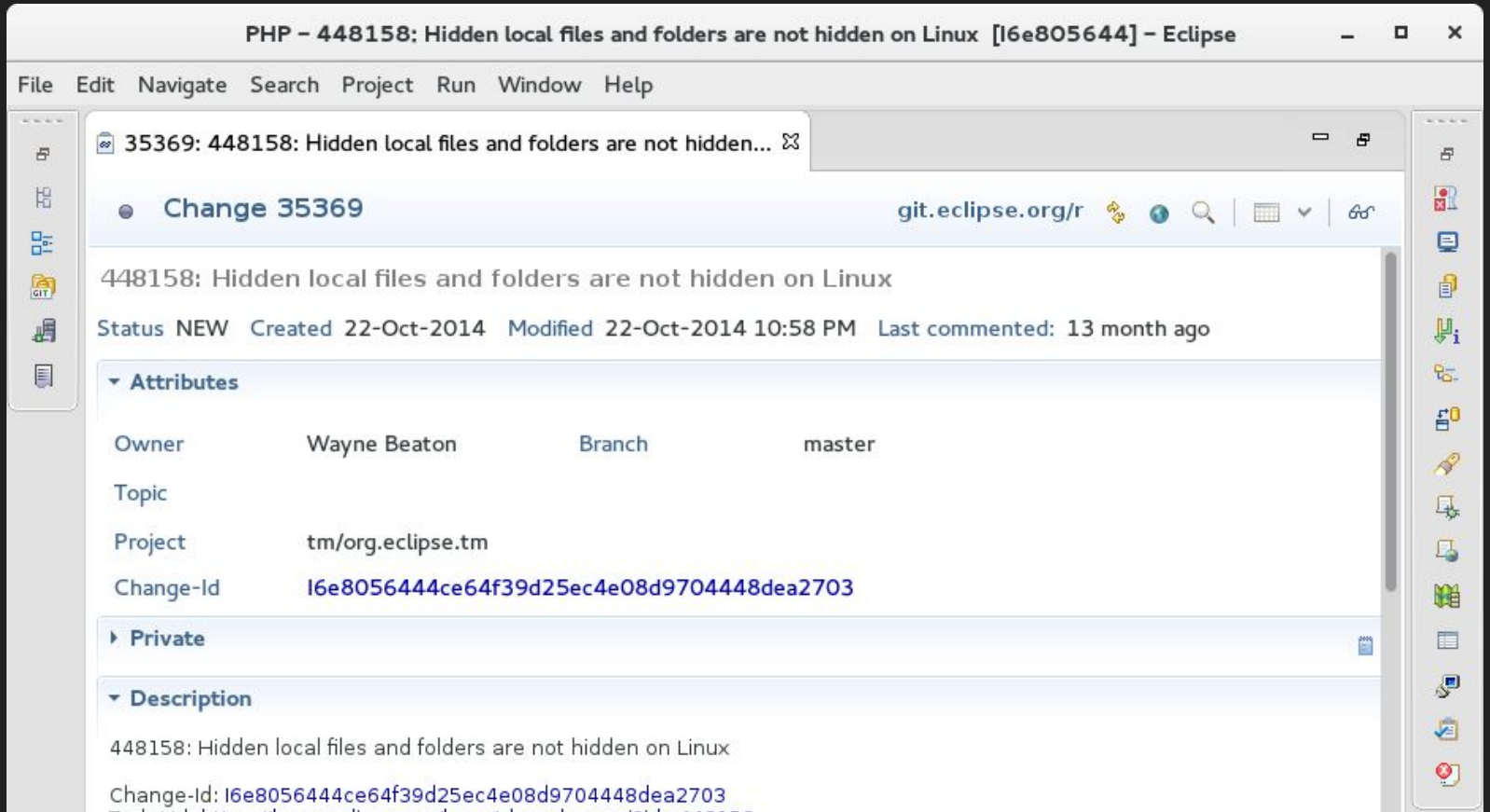
Gradle Integration in Mars



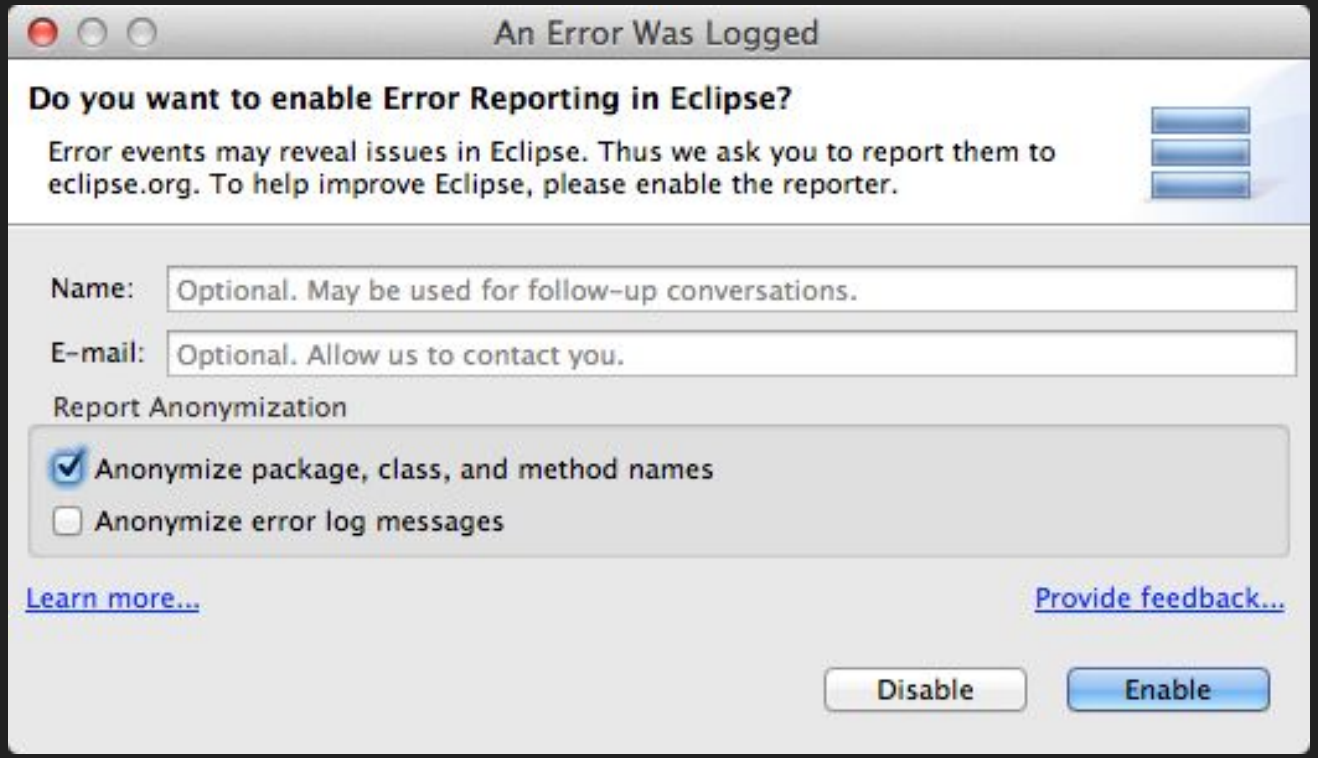
Task-Focused Development



Gerrit Integration

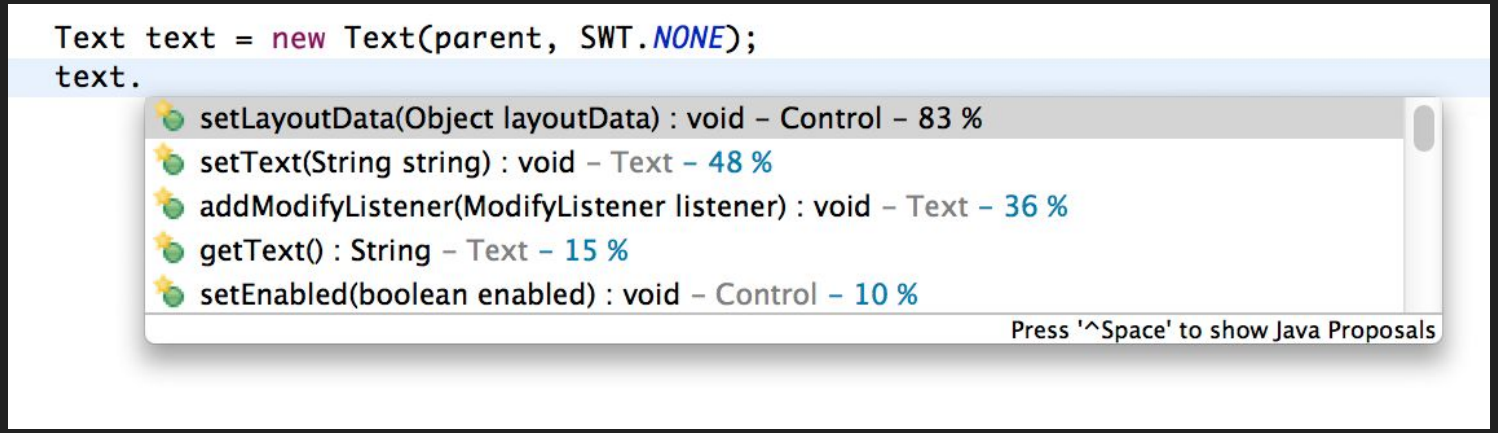


Error Reporter



Demo: Intelligent Recommendations

- Completion recommendations based on common use cases
  - Bases recommendations on what other developers in a similar situation have done

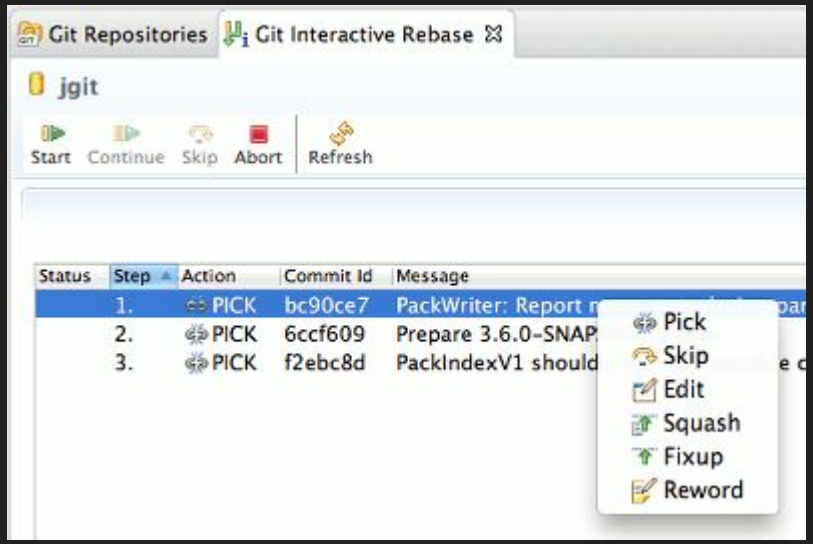


Maven Integration

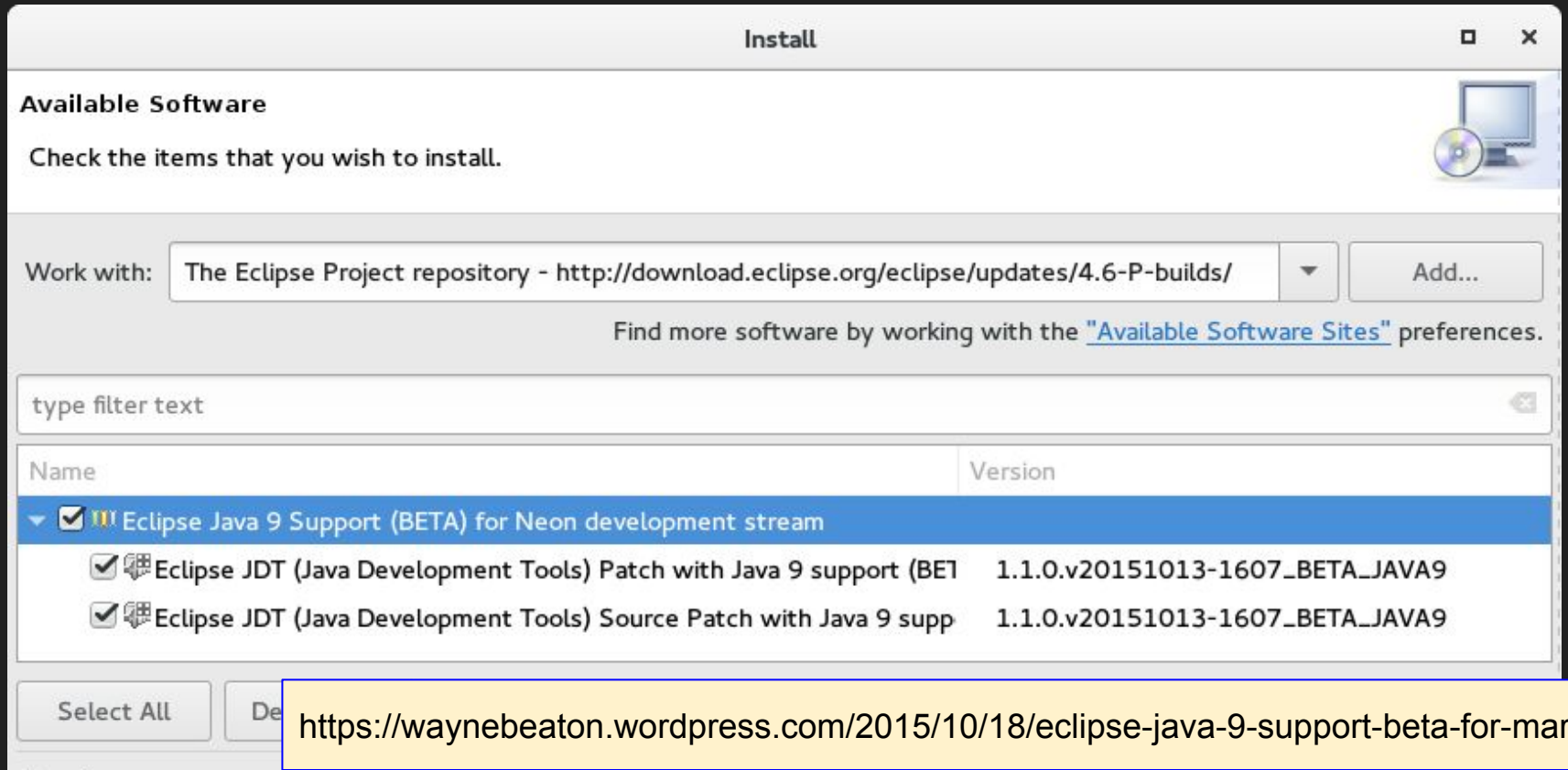
- Launch Maven builds from within Eclipse
- Dependency management based on pom.xml
- Resolve dependencies from the workspace
- Automatic download of the required dependencies
- Wizards for creating new Maven projects, pom.xml
- Quick search for dependencies in Maven remote repositories
- Quick fixes in the Java editor for looking up required dependencies/jars by the class or package name

Git Integration

- Interactive rebase view
- Cherry-pick multiple commits at once
- Stash support
- Usability improvements



Eclipse Java™ 9 Support (BETA) for Neon



https://waynebeaton.wordpress.com/2015/10/18/eclipse-java-9-support-beta-for-mars/

Thank you!