

What is Eclipse?

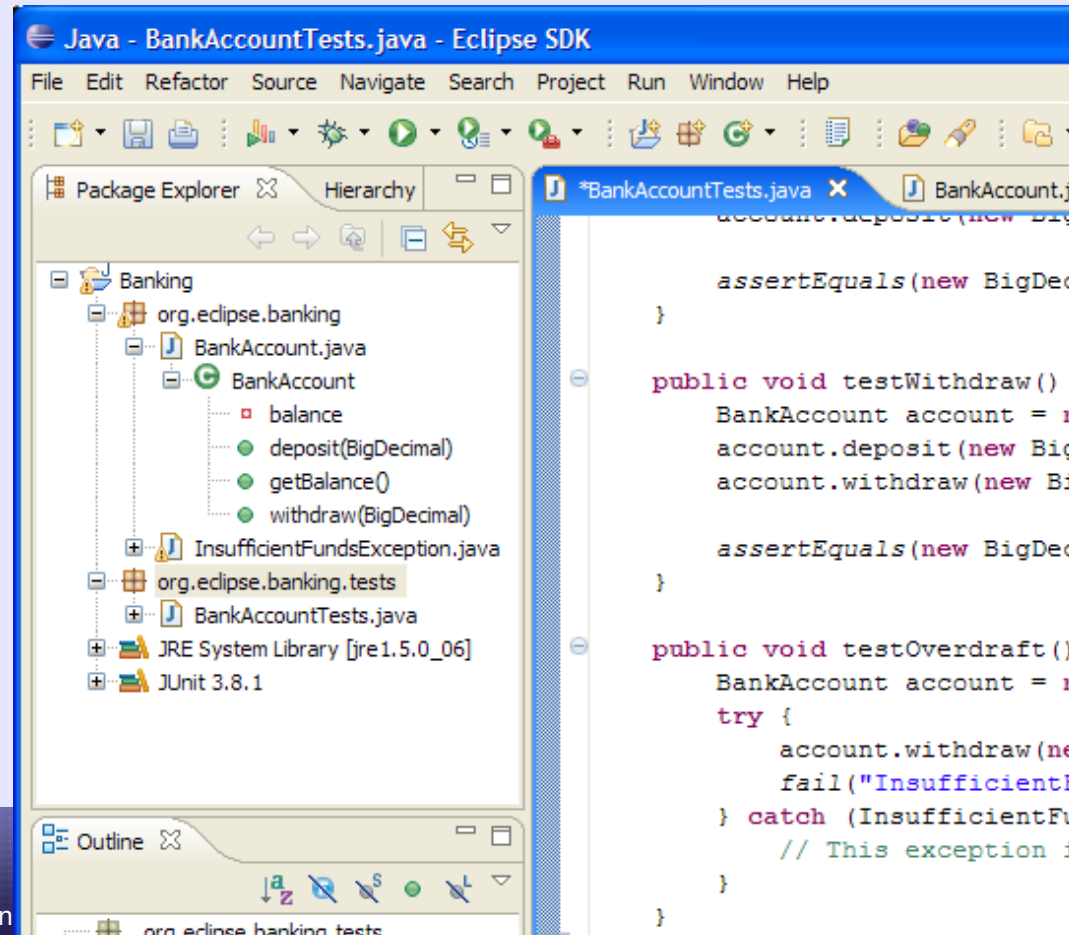


Wayne Beaton

Evangelist, Eclipse Foundation

Eclipse is a Java IDE

- Language-aware editors, views, ...
- Refactoring support
- Integrated unit testing and debugging
- Incremental compilation and build
- Team development support

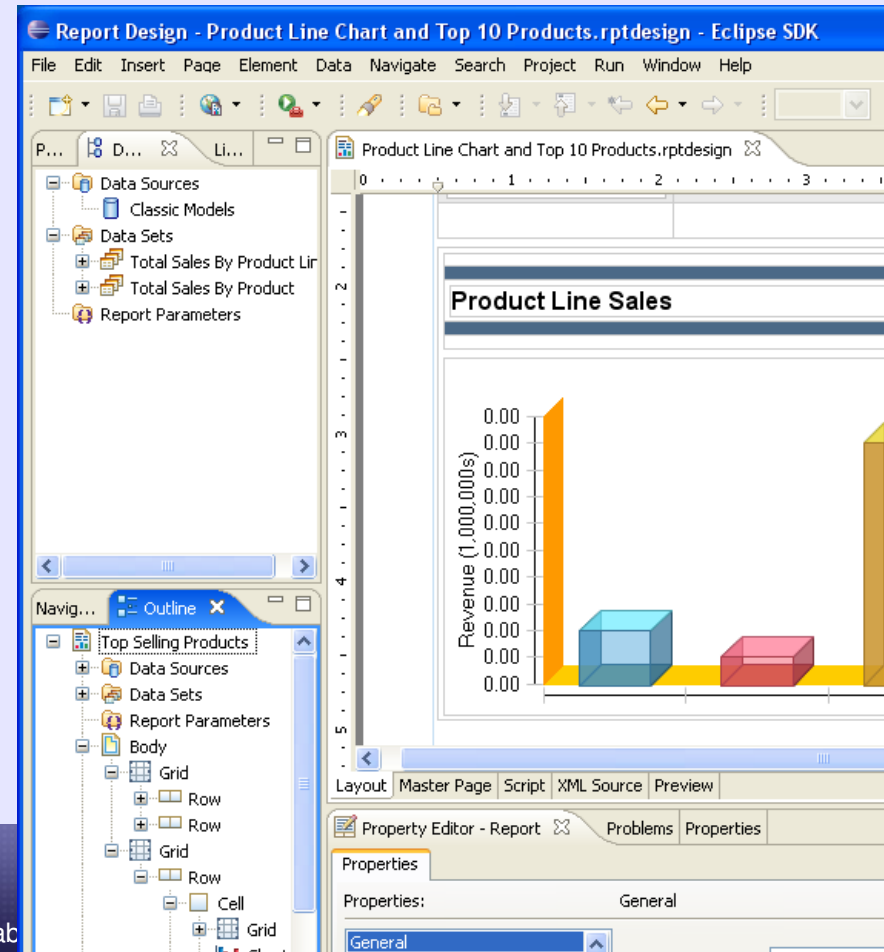


Eclipse is an IDE Framework

- Eclipse + JDT = Java IDE
 - First class framework for Java, language aware editor, incremental build, integrated debugging, ...
- Eclipse + CDT = C/C++ IDE
 - First class framework for C/C++, language aware editor, refactoring, search
- Eclipse + PDT = PHP IDE
- Eclipse + JDT + CDT + PDT = Java, C/C++, PHP IDE
 - Ruby, TCL, JavaScript, ...

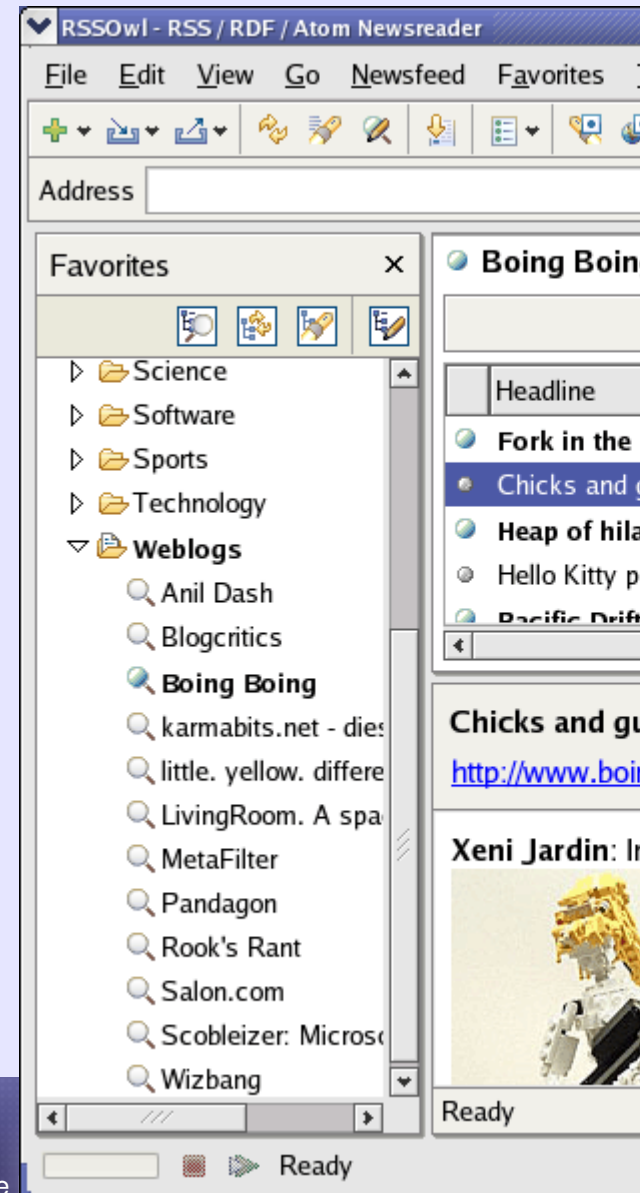
Eclipse is a Tools Framework

- Plug-ins make Eclipse whatever you need it to be
- Platform of frameworks and exemplary tools
- Tools extend the platform using bundles/plug-ins
 - Business Intelligence and Reporting Tools, Web Tools Project, Data Tools Project, Eclipse Modeling Framework



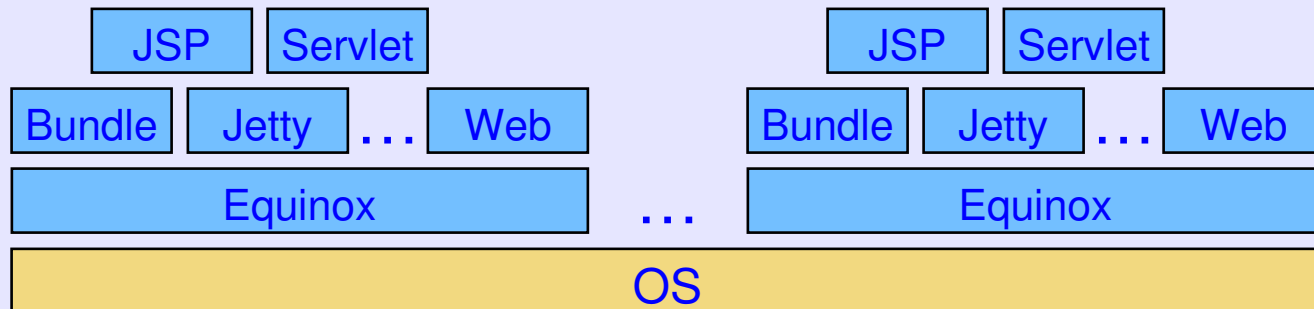
Eclipse is a Application Framework

- Remove the IDE elements; you're left with a general-purpose application framework
 - Linux, Windows, Mac OSX, UNIX, embedded
 - Rich widget set, graphics
 - Native-OS integration (drag and drop, OLE/XPCOM integration)
- A platform for rich clients



Eclipse is a Runtime Framework

- Equinox generally useful component model
- Headless applications, servers
- Application Server on Equinox
 - WAS 6.1 is based on Equinox
 - BEA's micro kernel architecture based on Equinox



Eleven Top Level Projects

- Eclipse
- Tools
- Web Tools Platform
- Test & Performance Tools Platform (TPTP)
- Business Intelligence and Reporting Tools (BIRT)
- Modeling
- Data Tools Platform
- Device Software Development Platform
- SOA Tools Platform
- Technology
- RT (Equinox)

Eclipse is an Open Source Community

- All Eclipse projects are available for free download
 - ~1 million downloads/month
- Contributors number in the thousands
- Committers number in the hundreds
- Hundreds of plug-ins provided by commercial companies, organizations, and individuals
- Enthusiastic blogger community
- Numerous Eclipse portals, etc...

Eclipse is an Eco-System

- Eclipse is focused on nurturing the eco-system to complement, and enhance the Eclipse Platform
 - Hundreds of organizations build Eclipse plug-ins
 - Companies collaborate on Eclipse projects
 - Companies compete with products based on Eclipse technology
- Many members, including major Java, Enterprise, Linux, and Embedded vendors
 - <http://www.eclipse.org/membership/>

Eclipse is a Foundation

- The Eclipse Foundation
 - Manages and directs the ongoing development
 - Provides IT infrastructure required by development teams
- Independent not-for-profit Foundation formed in 2004
- Does not directly employ developers for Eclipse projects



Eclipse is all these things...

- A Java IDE
- An IDE framework
- A tools framework
- An application framework
- Runtimes
- Open source projects
- A community
- An eco-system
- A foundation

Getting Involved (1/2)

- Test new releases
- Create bug reports, feature requests, patches
 - <https://bugs.eclipse.org/bugs/>
- Ask and answer questions in the newsgroups
 - <http://www.eclipse.org/newsgroups>
- Blog/Podcast/etc. about Eclipse

Getting Involved (2/2)

- Write an article for Eclipse Corner
- Comment on and vote for Eclipse Live content
 - <http://live.eclipse.org>
- Add your plug-ins to Eclipse Plug-in Central (EPIC)
 - <http://www.eclipseplugincentral.com>
- Become a Friend of Eclipse
 - <http://www.eclipse.org/donate/>

