



Agenda

- | Overview on Eclipse
- | What's new with Version 2.0
- | Update on Eclipse Board
- | Momentum for Eclipse Communities



What is Eclipse?

- Eclipse is a universal platform for integrating development tools
- Its open, extendible architecture is based on plug-ins
- Created by an open-source development community
- Brought to market by commercial offerings
- With source licensed for royalty free world-wide distribution

Plug-in development environment

PDE

Java development tools

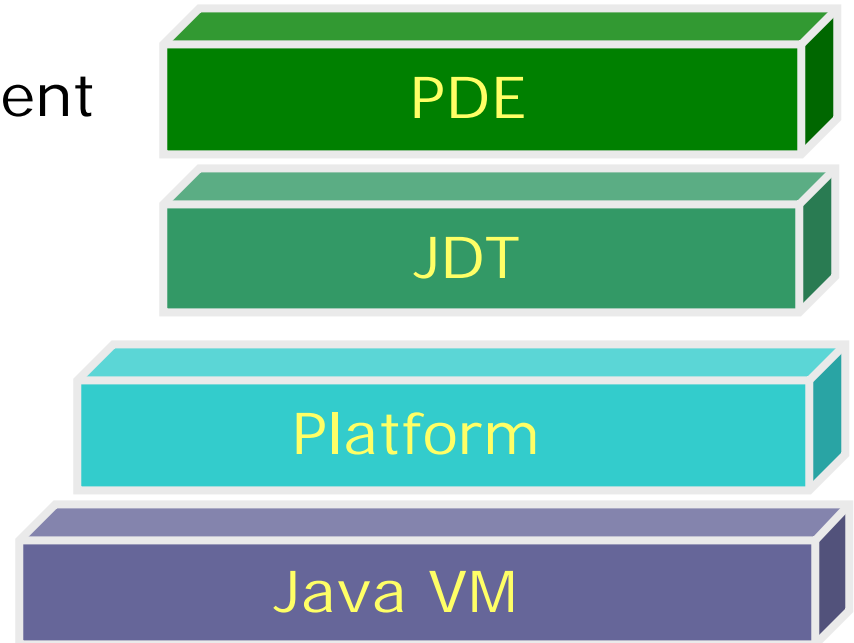
JDT

Eclipse Platform

Platform

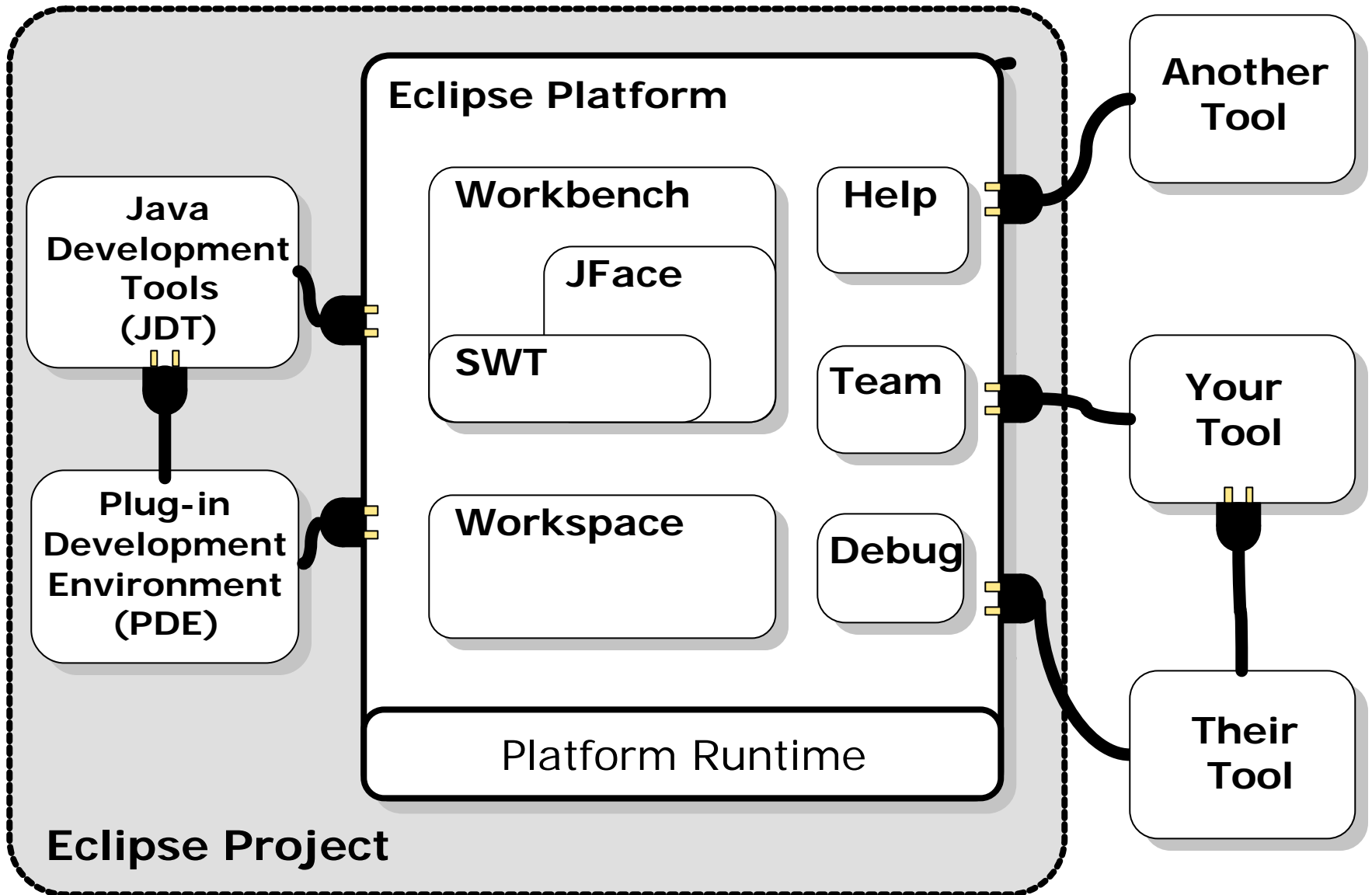
Runs on Standard Java2 VMs

Java VM





Eclipse Overview





Eclipse Progress

Release Content: Features



Version 1

- Eclipse Platform
- Eclipse SDK
- Java Development Tools (IDE)
- Plug-In Developer Environment
- Workbench
- Perspectives
- Resources
- Plug-Ins for:
 - Editor with code assist
 - Integrated Debugger
 - Profiler
 - Compiler
 - CVS Repository Client; Streams
- SWT / JFace UI Widgets

Version 2

- Tools in International Languages:
 - Single Byte enabled, all platforms
 - Left to Right Languages
 - Double Byte enabled: Japanese, Chinese
- Applications can target bi-directional languages
- CPL 1.0 Certified Open Source
- Faster platform startup time
- Better integration for external tools
- "ANT" script integration
- Platform serviceability enhancements
- Better integration support for "VCM" systems
- Redesign of plug-in installation and update technology
- Search engine for help subsystem
- Alternate key bindings in the editor.
- Section 508 Accessibility
- "Quick fix" support for error highlight and correction
- Enhanced code completion
- Faster incremental compiling
- Richer sets of re-factorings
- Integrated unit testing with JUnit
- Debugging with dynamic class reloading "hot-code" replacement



Eclipse Progress

Release Content: Development Platforms



Version 1

October, 2001

Windows Win32:

- Windows 98 SR-II
- Windows ME
- Windows NT
- Windows 2000

•Linux / Motif

- RedHat R2.2.1

•QNX / Photon

- Neutrino

Offerings available for
deploying applications to the
smallest embedded devices,
personal computers,
workstations and largest scale
servers.

Version 2

June, 2002

Adds:

- AIX on IBM RS/6000
- Solaris on Sun Sparc
- HP-UX on HP9000

Beta:

- Linux / Gnome on Red
Hat R2.2.3
- Mac OS X on Apple PPC
Mac



Eclipse Progress

Release Content: Development Platforms



Version 2.01

September, 2002

- Fixes and Stability

Version 2.02

November, 2002

- Plug-In can open AWT/Swing Windows on Windows
- JCK 1.3, 1.4 Java Compliant Compiler

Version 2.1

March, 2003

54 Enhancements including:

- Improved Start-up Time
- User custom workbench key bindings
- Improve update manager
- Workbench editor navigation history
- Improved ANT support
- Plug-In Feature Export
- Plug-In Manifest Editor
- Configurable Task Tags
- Class File Editor Enhancements
- User Configurable Hover Help
- Improved Editor Status Indicator
- Text Editor Enhancements
- Move Method Refactoring
- Improved Pull Up/Push Down Refactoring
- Added Package Explorer Project Filters
- Search within Unit or Class
- Refactoring support for non-Java files
- Multiple Method Restore
- Auto Detect JRE
- Type Hierarchy View
- Custom Code Generate Templates
- Many more... see www.eclipse.org



A Sample of Broad Industry Support for the Eclipse Platform

- Altoweb
- Asist
- Borland
- Bowstreet
- BrowserSoft
- Cast Software
- CollabNet
- CommerceQuest
- Computer Associates
- Compuware
- Crystal Decisions
- Embarcadero
- Ericsson
- Fujitsu
- Holosofx
- IBM / Rational
- Instantiations
- Interwoven
- LegacyJ
- LogicLibrary
- M7
- Macromedia
- Merant
- Mercury Interactive
- Midcomp International
- MKS
- NeuVis
- Parasoft
- Peregrine
- QA Systems
- QNX
- Red Hat
- Serena
- SilverMark
- Sitraka
- Skyva
- Starbase
- SuSE
- Sybase
- Telelogic
- Versant
- Versata
- Wily Technology

"Rational Software has been an early adopter of the Eclipse Platform because we believe it deliver high value to software teams. We've been workin closely with IBM to integrate our products into Eclipse...."

Dave Bernstein, Sr VP of Products, Rational Software

"The Eclipse community will allow developers to collaborate on enhancements to the Workbench technology and more rapidly integrate it within their own applications."

Brian Behlendorf, CTO, CollabNet

"This has long been a dream of developers, and now IBM is providing the integration framework to make it possible."

Arun Gupta, CTO, NeuVis Software



www.eclipse.org

**** Board members**



Who's on Board? – 34 Industry Leaders Join Forces





Momentum Measured by Open-Source Eclipse Projects

- The Eclipse Platform Project
 - Core technology
 - Java Development Environment
- The Eclipse Tools Project
 - C/C++ Development Tools
 - Cobol Development Tools
 - Eclipse Modeling Framework
 - Graphical Editor Framework
 - Hyades Automated Testing Framework
- The Eclipse Technology Project
 - XSD Infoset Model XML Schema
 - AspectJ Language Extensions
 - AspectJ Development Tools
 - Stellation Configuration Management
 - Equinox Configuration and Platform Ubiquity
 - Koi Collaboration Infrastructure

-More are coming!



Moving Development Beyond the Simple IDE

- Eclipse technology fundamentally changes how the industry can approach creating development tools
 - Open-source for core framework implementation helps tool providers share, reuse code and collaborate
 - Improves provider ability to focus on key strengths
 - Open integration frameworks push offerings up the tool chain for modeling, testing, middleware, systems management and improving the development process
- Developers get a uniform tools integration workbench
 - Multi-language (national and computer), multi-platform (developer and deployment), multi-vendor
 - Single workbench UI interaction paradigm
 - Range of support offerings: none through enterprise project grade
 - Concurrent access to most VCM source code repositories
 - Adaptable to enterprise server through embedded computing deployment platforms without restriction to CPU, OS, Middleware
 - Large community of peers



Momentum Measured by Eclipse Plug-Ins – March 2003

- Plug-in extensions to the Eclipse Platform are available from open-source, non-commercial and commercial producers of tools:
 - Eclipse member companies
 - Non-member companies
 - 260 Plug-Ins tracked at: eclipse-plugins.2y.net
 - 130 Plug-Ins tracked at: eclipse-workbench.com
 - Sourceforge based projects (approx 100 active)
 - Freshmeat based projects (18 active)
 - Individual Developers
 - Innovation and research (49 IBM grants): ibm.com/university/eclipseinnovation
 - Others...
- There is strong commercial activity now producing tools that are Powered by Eclipse Technology
- There is amazing open-source interest and contribution in the Eclipse community



Momentum Measured by Download Requests

- 6.9 million November 2001 – February 2003
 - 50K in 48 hours after posting R2 distributions
- From over 640,000 unique net addresses
 - Most represent firewalls fronting multiple users
 - One download can serve an entire organization
- From over 125 countries



Momentum Measured by Who's Shipping on Eclipse?

- IBM WebSphere® Studio Application Developer, Version 5
- IBM WebSphere® Studio Application Developer Integration Edition for Windows®, v5
- IBM WebSphere® Studio Site Developer Advanced for Windows®, V5
- IBM WebSphere® Studio Device Developer 5.0
- IBM WebSphere® Development Studio for iSeries Version 5
- IBM WebSphere® Studio Enterprise Developer Version 5



Momentum as Measured by Who's Shipping on Eclipse?

- | Rational XDE Professional v2002 Java® Platform Edition
- | Rational Clearcase Plug-in for Eclipse: Windows
- | Instantiations CodePro Studio V1.1
- | Parasoft Jtest 4.5a
- | Versant enJin 2.2.3
- | Merant PVCS Version Manager 6.8
- | Serena ChangeMan(rm) DS
- | Starbase StarTeam WebSphere Studio Integration Version 1.0
- | Telelogic CM Synergy 6.2
- | MacroMedia ColdFusion MX
- | Visual SlickEdit V7
- | MKS Integrity SCM
- | CollabNet SourceCast
- | many more...