Eclipse Members' Meeting

June 10, 2005
Teleconference Call

Agenda

1. Executive Director Report - Mike Milinkovich

2. Membership Report - Todd Williams

3. Project Update - Bjorn Freeman Benson

4. Eclipse 3.1 Overview - John Wiegand

5. Eclipse Member Success Story - Karl Bunnell, Novell

6. Marketing Update - Ian Skerrett

7. Question and Answer

Executive Director Report

Mike Milinkovich

Eclipse by the Numbers

- 101 Members
    - 13 Strategic Members
    - 74 Add-In Provider Members;
    - 14 Associate Members

- 8 Top level projects
    - 43 sub-projects (plus 9 proposed)

- 425+ committers; 30+ organizations

EclipseCon Wrap-up

- Registrations: sold out (1033 badges)
- Sponsorships: > sold out
- Finances: ~$90,000 profit; income $875k; expenses $785k
- Press: 68 press & analysts
- Buzz: the buzz was great
- Feedback: excellent (77% happiness number; 17% negatives)
    - Fine grained feedback form tends to increase negative feedback
    - Negatives: *too crowded, tutorial WiFi problems, Visual Studio talk, "too much content in too short a time", "there should have be an exhibits floor"*
    - Positives: "Very well organized", "excellent talk", "it was a really great experience", "best conference I have ever attended", …

Project Phoenix – Web Site Restructuring

- **Goal: To create a website that all participants in the Eclipse community will find helpful and useful in their interactions with Eclipse projects, members and the Foundation.**

  - Improve the accessibility and quality of the information
  - Make technology easy to find, understand and download
  - Establish publishing models (workflow) and guidelines for Eclipse.org
  - Implement collaboration tools (e.g. wiki, blogs)
  - Create a showcase for members and the community
  - Establish user profile administration (if necessary)

  - Get rid of frames!
  - Base the implementation on a modern, F/OSS content management system
  - Distribute the website maintenance to the leaves (the committer and members) where possible while retaining a common "branded" look and feel

Project Phoenix: Intended Audiences

- Users

- Committers

- Contributors

- Plug-In Developer

- Members

Project Phoenix: Status

- Requirements defined
- Tentative tool selection (Xoops)
- Many expressions of interest and support on newsgroup
    - 92 messages to date
    - Single funniest posting to a newsgroup ever!
- Planning dates (still TBC)
    - June 30: Final selection of CMS tool
    - Sept. 30: Deployment of Foundation content on new platform
    - Project migrations to happen on a per-project timetable

- Current Committers
    - Mike Milinkovich, Denis Roy, Ian Skerrett, Bjorn Freeman-Benson, Andrew Gerharty, Susan Iwai

Eclipse Foundation Financials

- Budget for 2005 (excluding EclipseCon)
  - Projected Revenue: $2.7M
  - Project Expenses: $2.7M

Eclipse Blogs

- Eclipse Aggregator: Planet Eclipse
    - http://planeteclipse.org/planet/

- Eclipse Foundation Employee Blogs
    - Mike Milinkovich
        - http://milinkovich.blogspot.com/

    - Bjorn Freeman-Benson
        - http://eclipse-projects.blogspot.com/

    - Ian Skerrett
        - http://ianskerrett.blogspot.com/

Membership Report

Todd Williams
Chair of Eclipse Membership Committee

Membership Summary (June 8, 2005)

Strategic Members	13
Add-In-Provider	74
Associate	14
Total Members	101

22 New Members 2005

1Q 2005
- Inpriva
- Lombardi Software
- ACM Queue (associate)
- Discovery machine
- Omondo
- BEA (Strategic Developer)
- Secure Software, Inc.
- Klocwork
- ITG

- **2Q 2005**
- DataMirror Corp
- DDCI
- Fawcette (Associate)
- Genitech
- iWay Software
- Macromedia
- Meta-1.com
- NEC
- Pegasystems, Inc
- Progress Software
- Symbian
- Technologic Arts
- Versata

Eclipse Eco-System – Add-in Providers (74)

Agitar Software
Acucorp
Aldon
Aonix
AvantSoft
Catalyst Systems Corporation
CollabNet, Inc.
Compuware
Discovery Machine, Inc
DataMirror
DDC-I
Embarcardero Technologies
ENEA Embedded Technology AB
Ericsson
ETRI (Electronics &
    Telecommunications Research
    Institute)
Exadel
Fujitsu Limited
Genitech
Genuitec, LLC
Hitachi, Ltd., Software Division
ILOG
INNOOPRACT
Inpriva

Instantiations, Inc.
ITG
iWay Software
JasperSoft
JBoss, Inc.
Kinzan, Inc
Klocwork
Logic Library
Lombardi Software
M1 Global Solutions
M7 Corporation
Macromedia
Mentor Graphics
Mercury Interactive
Meta-1 GmbH
Micro Focus
MKS Inc.
Motorola
mValent
NEC
Novell
NTT Comware
OC Systems
Omondo
Optena Corp
Oracle

Pegasystems
PalmSource, Inc.
Parasoft Corporation
Progress Software
PureEdge
QNX Software
Real-Time Innovations
Red Hat, Inc.
SAS
Secure Software
SlickEdit Inc.
Soft Landing Systems
Symbian
Teamstudio Inc.
Technologic Arts Inc.
Telelogic
Tensilica Inc.
THALES
Texas Instruments
TimeSys Corporation
Unisys
VA Software
Versata
Wasabi Systems, Inc.
webMethods

Eclipse Foundation Associates (14)

Addison Wesley

Academic Associate Member

ACM Queue Magazine

BZ Media

Communications and Media Arts

Eclipse Plug-In Central (EPIC)

Fawcette Publications

FOKUS Institute

OMG

ObjectWeb

Open Systems Publishing

RTC Group

SocialPhysics.org

Tsinghua University

Project Update

Bjorn Freeman-Benson

Q1 vs Q2

- Last Member's Meeting:
  - 1 top-level proposal
  - 2 new Technology projects created
  - 3 new Technology projects proposed
  - 1 new Technology project in pipeline

- Today:
  - 2 top-level projects created
  - 6 new Technology projects created
  - 9 Technology project proposals
  - 12 new projects in the pipeline

Q2 Project Changes (Proposed)

- Technology ◆ ALMIIF – application lifecycle integration
- Technology ◆ Desktop – native desktop integration
- Technology ◆ EJB3.0-ORM – one of two ORM proposals
- Technology ◆ JSR220-ORM – the other of two ORM proposals
- Technology ◆ LDT – language development toolkit
- Technology ◆ MDDi – Model Driven Development Integration
- Technology ◆ OHF – open healthcare framework
- Technology ◆ Photran – Fortran
- Technology ◆ Barn Raising – infrastructure for small projects

Q2 Project Changes (Created)

- Data Tools Platform
- Device Software Development Platform

- Technology ◆ Phoenix – new eclipse.org website
- Technology ◆ GMF – graphical modeling framework
- Technology ◆ Buckminister – component assembly
- Technology ◆ Mylar – "thin film to prevent information blindness"
- Technology ◆ Lepido – Tools for Apache Cocoon
- Technology ◆ Higgins – trust framework

Q2 Project Changes (Other)

- Archived
  - Technology ◆ Koi
  - Technology ◆ Stellation
- Graduated
  - Technology ◆ WSVT $\Rightarrow$ WTP
  - Technology ◆ XSD $\Rightarrow$ EMF

Q2 Project Changes (Pending)

- Technology ◆ Blaise – Pascal
- Technology ◆ Bugzilla – integrated with IDE
- Technology ◆ Distros – eclipse.org packaged distributions
- Technology ◆ Industrial Control Automation
- Technology ◆ EMFT – modeling frameworks built on EMF
- Technology ◆ ETP – simulations
- Technology ◆ JWF – workflow
- Technology ◆ OMACI – mail and calendaring
- Languages top-level project

- And 6 that wish to remain as yet unannounced

Project Structure

- Platform
- Business Intelligence and Reporting Tools Platform
- Data Tools Platform
- Device Software Development Platform
- Test and Performance Tools Platform
- Tools
    - CDT
    - GEF
    - EMF
    - COBOL
    - Visual Editor
    - UML2
- Web Tools Platform
- Technology

Project Updates

Next Major Release Dates

Project	Scheduled Release Date
Platform 3.1	June 27
BIRT 1.0	June 6
TPTP 3.3	June 24 2005
TPTP 4.0	June 2005
Tools – CDT 3.0	July 2005
Tools – EMF 2.1	Aligned with platform 3.1 release dates
Tools – GEF 3.1	Aligned with platform 3.1 release dates
Tools - VE Project 1.1	Q2/2005
Web Tools Project 0.7	July 2005

WebTools Project: Key Dates for 0.7 Release

Key Release Dates: (On Platform 3.1)

M1 - October 15, 2004 - Finalize build infrastructure and server tools.
M2 - December 22, 2004
    - Flexible project layout. Initial structure source editing and EJB tools.
M3 - February 25, 2005
    - Improved structured source editing and EJB tools. Database tools and initial Web Services. Based on 3.1 M5
M4 – April 29, 2005

Key Change: Release renumbered to 0.7 to reflect that the tools are ready but the api's will not be final in the release.

Target Release Date for 0.7: July 2005

WebTools Project: Key Themes

- Simple To Use
  - Focus is on well designed and implemented APIs

- Enable Consistent Multi-language Support
  - Support for Java-JSP dual-language development

- Appealing to a Broader Community – Support for the following:
  - J2SE 5
  - SOAP 1.2, WSDL 2.0
  - JSR 175 and 181
  - J2EE 1.5

TPTP: Key Release Dates

Key Release Dates for 3.3:   (On Platform 3.0)

Iteration 1 (3.3 i1)Monday, 21-Feb-05   Stable build
Iteration 2 (3.3 i2)Monday, 4-Apr-05   Stable build - API / UI freeze
Iteration 3 (3.3 i3)Monday, 24-Jun-05   General Availability, English only

Key Release Dates for 4.0: (On Platform 3.1)

Iteration 1 (4.0 i1)   Monday, 21-Feb-05   Stable build
Iteration 2 (4.0 i2)   Monday, 4-Apr-05   Stable build - API / UI freeze
Iteration 3 (4.0 i3)   Monday, 16-May-05   Stable build
Iteration 4 (4.0 i4)   Monday, 27-Jun-05   General Availability, English only
Post-iteration   Friday, 12-Aug-05   General Availability, Translation
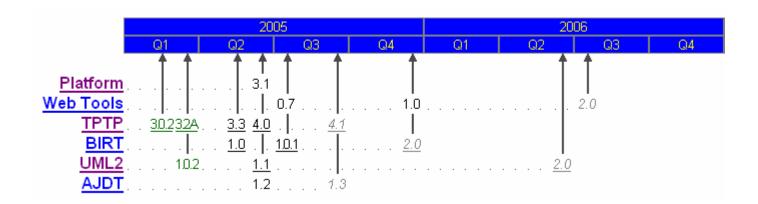
TPTP: Key Themes

- Release 3.3 primarily a maintenance release

- Release 4.0 Themes

  - Scaling Up
    - Handle larges amount of data
  - Design for Extensibility: Be a better platform
    - Significant api work
  - Simple to Use
    - Better out of box experience, documentation, tutorials, white papers, etc
  - Appealing to the Broader Community
    - Additional integration with technologies based on JUnit

Next N Releases

- http://www.eclipse.org/org/processes/master-timeline.php

	2005				2006			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Platform		3.1						
Web Tools		0.7		1.0		2.0		
TPTP	3.0 2.3 2A	3.3 4.0	4.1					
BIRT	1.0	1.0.1		2.0				
UML2	1.0.2	1.1				2.0		
AJDT	1.2	1.3						

Release Reviews

Review Agenda

- http://www.eclipse.org/org/processes/release-review.html

- Features
- Non-Code Aspects – user doc, localization, examples, tutorials, …
- APIs
- Architectural Issues
- End-of-Life
- Bugzilla – summary
- Standards
- Schedule
- Process – open, transparent, and inviting
- Community – growing, thriving : users, plug-ins, developers
- IP Issues
- Project Plan – next release

Review Schedule

- http://www.eclipse.org/org/processes/index.html

Monday, June 13	Platform	3.1 Release at 1500 UTC
Wednesday, June 15	Test & Performance	4.0 Release at 1500 UTC
Friday, June 17	UML2	1.1 Release Review at 1500 UTC
Wednesday, July 6	Web Tools Platform	0.7 Release Review

Eclipse Platform 3.1 Overview

John Wiegand
Platform PMC Lead

3.1 Highlights from 10,000 Meters

- J2SE 5 support

- Performance & scalability

- RCP is real
  - Tool support is improving

- And more…

J2SE 5.0

- eclipse compiles JDK 1.3, 1.4, 5.0
- tooling - "**deep**" support for new J2SE 5.0 features
  - existing features fully J2SE 5.0 aware
    - code assist, quick fix/quick assist
    - refactoring
    - search
    - formatter
  - J2SE 5.0 specific support
    - auto boxing highlighting
    - infer type arguments refactoring
    - quick assist to convert to enhanced for loop
    - many J2SE 5.0 specific compiler diagnostics
  - APIs
    - fully support J2SE 5.0 features

J2SE 5.0

Original Source | Refactored Source
```
/**
 *|
 */
package p;

public class Foo<S, T> {

    public <U extends S> S get
        return null;
    }
}
```
```
/**
 *
 */
package p;

public class Foo<S, T> implements I

    /* (non-Javadoc)
     * @see p.IFoo#getS(T)
     */
    public <U extends S> S getS(T t) {
        return null;
    }
}
```

```
enum TestStyle { CORRECTNESS, PERFORMANCE }

@Target(METHOD)
@interface Test {
    TestStyle style() default CORRECTNESS;
}

@Test(style=PERFORMANCE)
public void randomAccess() {
    List<E> vector= fFull;
    long before= System.currentTimeMillis();
    E one= vector.get(42);
    long after= System.currentTimeMillis();
    Long maxAccessTime= new Long(100);
    assertTrue(after - before < maxAccessTime);
```

```
X.java
public class X {
    <U> void foo(U u) {
        System.out.println(u);
    }
}
```

Search
'U' - 1 reference in workspace (Filters matched 1)
- _Test1_5
  - src
    - (default package)
      - X
        - foo(U) <U> : void

```
*Ann.java
public @interface Ann {
    String attr1();
    int attr2();
}
@Ann(at
class A {
}
```
attr1() String - Ann
attr2() int - Ann

```
public class Storage {

    private List<File> fFiles= new ArrayList<File>();

    public File getManagedFile(String name) {
        for (Iterator<File> iter= fFiles.iterator(); iter.hasNext(
            File file= iter.next();
            if (file.getName().equals(name))
                return file;
        }
        return null;
    }

    public void manageFile(File file) {
        fFiles.add(file);
    }
}
```
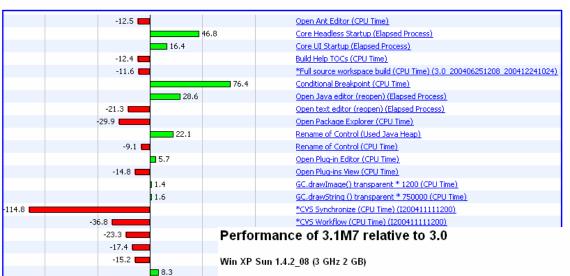
Performance: before (M5) – after (M7)

Performance of I20050219-1500 relative to 3.0

Win XP Sun 1.4.2_06

Value	Label
-12.5	Open Ant Editor (CPU Time)
46.8	Core Headless Startup (Elapsed Process)
16.4	Core UI Startup (Elapsed Process)
-12.4	Build Help TOCs (CPU Time)
-11.6	*Full source workspace build (CPU Time) (3.0_200406251208_200412241024)
76.4	Conditional Breakpoint (CPU Time)
28.6	Open Java editor (reopen) (Elapsed Process)
-21.3	Open text editor (reopen) (Elapsed Process)
-29.9	Open Package Explorer (CPU Time)
22.1	Rename of Control (Used Java Heap)
-9.1	Rename of Control (CPU Time)
5.7	Open Plug-in Editor (CPU Time)
-14.8	Open Plug-ins View (CPU Time)
1.4	GC.drawImage() transparent * 1200 (CPU Time)
1.6	GC.drawString () transparent * 750000 (CPU Time)
-114.8	*CVS Synchronize (CPU Time) (I200411111200)
-36.8	*CVS Workflow (CPU Time) (I200411111200)
-23.3	
-17.4	
-15.2	
8.3	
7.1	

(axis: -100.0% -50.0% 50.0%)

Performance of 3.1M7 relative to 3.0

Win XP Sun 1.4.2_08 (3 GHz 2 GB)

Value	Label
5.1	Open Ant Editor (Elapsed Process)
0.7	3-way compare, 5000 lines (Elapsed Process)
59.6	Core Headless Startup (Elapsed Process)
9.7	Core UI Startup (Elapsed Process)
0.6	Compile>Build>Clean>Full>Default warning (Elapsed Process)
96.8	Conditional Breakpoint Test (Elapsed Process)
66.3	Fill Contextual Launch Menu (Elapsed Process)
28.7	Open Java editor (reopen) (Elapsed Process)
0	Open text editor (reopen) (Elapsed Process)
-5.8	Open Package Explorer (Elapsed Process)
75	Initialize Plug-ins (with caching) (Elapsed Process)
32.1	Open Plug-in Editor (Elapsed Process)
3.2	Create composites (Elapsed Process)
2.2	Draw strings using GC.drawString() (Elapsed Process)

(axis: -100% -75% -50% -25% 25% 50% 75% 100%)

what's new in 3.1 RCP Tooling

- RCP application templates
- product tooling
    - wizard
    - editor
    - simplified deployment, now with launcher branding
    - Export your product to 10 different platforms with a single click
- bundle tooling
    - manifest validators
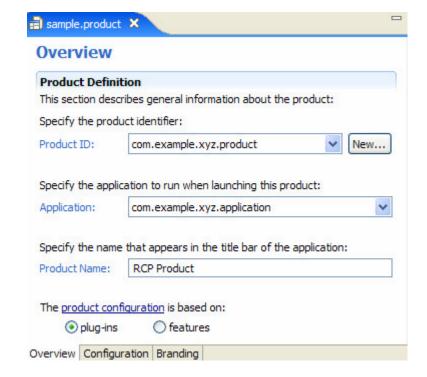   - improved classpath support

Cross-platform export

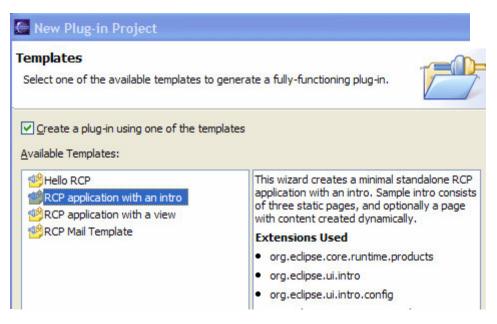Select the platforms to which you want to deploy your product.

Available platforms:

- ☑ aix (motif/ppc)
- ☑ hpux (motif/PA_RISC)
- ☑ linux (gtk/ppc)
- ☑ linux (gtk/x86_64)
- ☑ linux (gtk/x86)
- ☑ linux (motif/x86)
- ☑ macosx (carbon/ppc)
- ☑ solaris (gtk/sparc)
- ☑ solaris (motif/sparc)
- ☑ win32 (win32/x86)

PDE/RCP

3.1 Themes and Plan Items

- Scaling Up
    - Large-scale workspaces
    - Process improvements wrt performance
    - Scalability
    - Breakpoint improvements
    - Add critical performance instrumentation
    - Help search enhancements
    - RCP performance

- Enterprise Ready
    - Import/export of Ant build files

- Design for Extensibility: Be a Better Platform
    - Mapping logical views to physical files on disk
    - Improve action contributions
    - Generalized undo support
    - Content types

- Rich Client Platform
    - RCP performance
    - RCP infrastructure
    - OSGi
    - Dynamic plug-ins
    - JNLP Support
    - Support for launcher branding
    - Provide better text editor support for RCP
    - [PDE] RCP support
    - OSGi bundle manifest tooling

3.1 Themes and Plan Items

- **Simple to Use**
    - Overhaul preferences
    - Improve capabilities
    - Ant editor improvements
    - Initial user experience improvements
    - Help search enhancements
    - Pervasive context help pane
    - Debugger usability improvements

- **Appealing to the Broader Community**
    - Ant debugger
    - Add support for J2SE 5 features
    - Improved compiler checking
    - Improve support for externalized strings
    - Improve program manipulation infrastructure

Bugzilla

- Between July 1, 2004 and June 1, 2005
  - More than 18000 reports were created
  - 9000 were fixed
  - 5000 were resolved without changing code (duplicates, invalid etc)

- Current state is:
  - 13 Blocker, 68 Critical defects
  - 4 P1, 208 P2 defects

- 3.0 state was:
  - 5 Blocker, 47 Critical
  - 7 P1 , 249 P2

Novell Eclipse-Related Activities

Karl Bunnell
Eclipse Foundation Add-in Provider Representative
Novell, Inc.

Novell.

Novell Eclipse-Related Activities

Novell Identity Manager Designer

- Policy development and management tool – Eclipse plugins

SUSE Linux Distribution

- Eclipse is included in SUSE Linux distribution

Novell SUSE Linux SDK

- Eclipse is central to Novell SUSE Linux Development Environment.

Novell ExteNd J2EE Tools

- ExteNd Composer Designer now an Eclipse Plugin

Novell, JBoss, JEMS and JBoss Eclipse IDE

- Novell and JBoss Expand Partnership to Strengthen Open Source Application Platform

Novell®

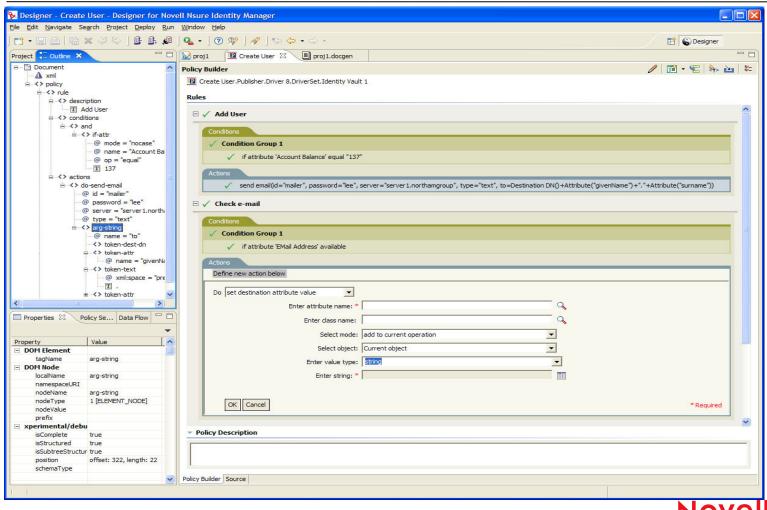# *Novell Identity Manager Designer*
Graphical Modeling Tool

© June 8, 2005 Novell Inc.

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Novell Identity Manager Designer

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Novell.

Novell Identity Manager Designer
Policy Definition and Management
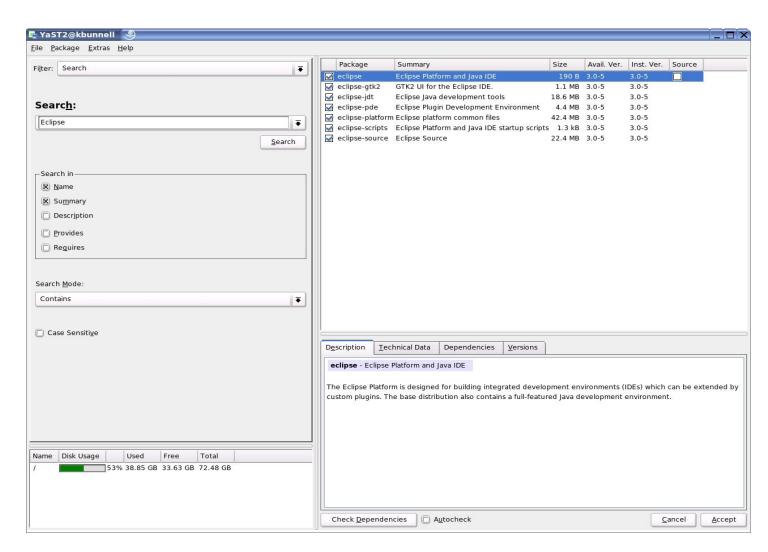
© June 8, 2005 Novell Inc.
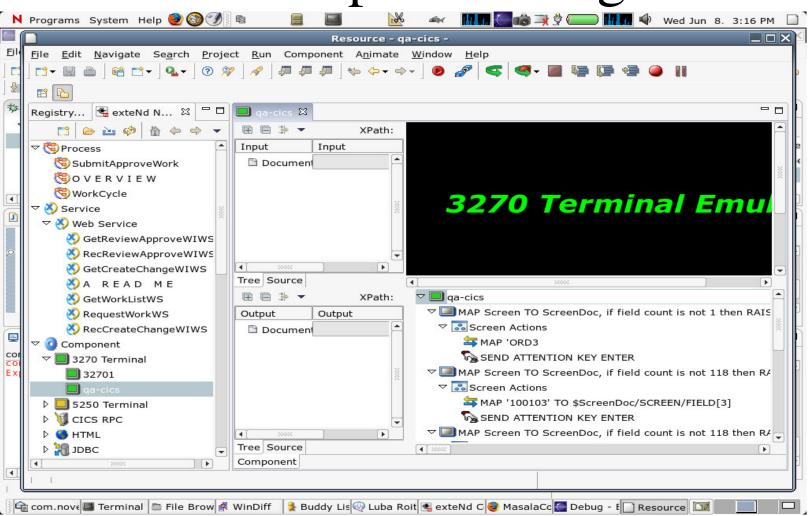
Novell.

Client Functionality
Features

Enterprise Modeling

Projects, Versioning,
   Staging

Configuration

Policy Management

Debugging & Simulation

Test & Deploy

Data Analysis & Scrubbing

Ease of Use & Productivity

Integrated XML/XSLT

Novell.

Integrated System Tools

SUSE Linux Distribution

Novell ExteNd J2EE Tools
ExteNd Composer Designer

Novell, JBoss, JEMS and JBoss Eclipse IDE

21 Mar 2005 - Novell and JBoss Expand Partnership to Strengthen Open Source Application Platform

"Novell will extend support and contribute code and engineering resources to the open source JBoss Enterprise Middleware System (JEMS) and actively participate in the architectural design and direction of JBoss projects including JBoss portal. Working closely together, Novell and JBoss will be the first to bring to market a powerful and fully supported application platform that leverages open source software and vendor-driven innovation to reduce the cost, complexity and time needed to deliver service-based, identity-aware applications."

Marketing Update

Ian Skerrett

Press Coverage

- Eclipse Casts Shadow on Sun – eWeek, May 20 2005

- SD Times 100
    - Eclipse name tops for Tools and Environment
    - Eclipse named as an Influencer

- The right environment – ElectronicsWeekly

- Eclipse Foundation Press Releases
    - BIRT 1.0 Launch
    - Parallel Tools Project
    - New Web Site infrastructure
    - Wind River and CA Strategic Member announcement

Press Plans for Q2/Q3

- BIRT 1.0 Launch – June 6
  - Main message: "Eclipse Brings Open Source to BI Market"
  - Press and analyst briefings led by Actuate

- 3.1 Launch
  - Eclipse Delivers Tools Platform for Software Development Lifecycle
  - Eclipse RCP is gaining momentum

- Linux World announcement in July
  - CDT press release

Analyst Coverage

- Carl Zetie, Forrester Research – Blog entry on March 10, 2005

    - *Eclipse has won - at least, outside of Microsoft's sphere of influence. With major tools vendors such as Actuate, Borland, BEA and Sybase lining up to join IBM/Rational in porting their tools to Eclipse, a vibrant ecology of plug-ins, and an architecture designed explicitly to support extensibility and integration, Eclipse is more than just a development platform, it is a full life-cycle platform*

- Carl Zetie, *Eclipse Changes the Game for Application Development*, Web Conference on April 26, 2005

- Butler Group, *Sun and Eclipse – A Marriage Made in Heaven*, March 23, 2005

JavaOne and 3.1 Launch Plan

- Eclipse 3.1 planned for June 27
  - 8 other projects expected to release within 30 days

- Press plans
  - Umbrella release that includes all projects; main message: Eclipse Delivers Tools Platform for Software Development Lifecycle
  - Press release focused on the momentum of Eclipse RCP

- Analyst briefings
  - Gartner, Forrester, Redmonk

- Press briefings at JavaOne

- Million Download Challenge
  - http://eclipsewiki.editme.com/MillionDownloadChallenge

JavaOne Plans

- Eclipse Foundation will have a booth at JavaOne
  - Demos of Web Tools, BIRT, JDT, AspectJ and Pollinate

- Eclipse Member Initiatives
  - Exhibit Hall Passport Game "We Support Eclipse"
  - Luncheon and Roundtable Discussions
  - 11 companies participating
  - Sybase coordinating these initiatives

- 7 Eclipse Related Session & BOFs at JavaOne

Working Group Updates

- **Market Research Working Group**
  - 15 companies participating
  - Survey completed and results to be presented June 9th

- **Eclipse Japan Working Group**
  - Mike Milinkovich was keynote at first Eclipse Japan seminar; approx. 120 in attendance, including 15 members of the press.
  - New Eclipse Japan web site http://www.eclipse.org/japanwg/index.html

- **Embedded Working Group**
  - Focused on article collaboration
  - Recruitment of new members to complete their value chain

Community Marketing Initiatives

- **Fawcette Eclipse Resource Guide**
  - Available in June edition of JavaPro magazine

- **BZ Media's Eclipse World Conference**
  - August 29-31 in New York City

- **ACM Queue Magazine Special Supplement on Eclipse**
  - September edition

- **VA Software (OSTG) launches eclipse.techforge.com**
  - Expected to launch June 28th

Next Meeting

- September 21-22, 2005 at Wyndham O'Hara Chicago

    - Face-to-Face meeting

Questions?