



Project Update

Eclipse Members Meeting
October 27, 2004
Dallas, Texas

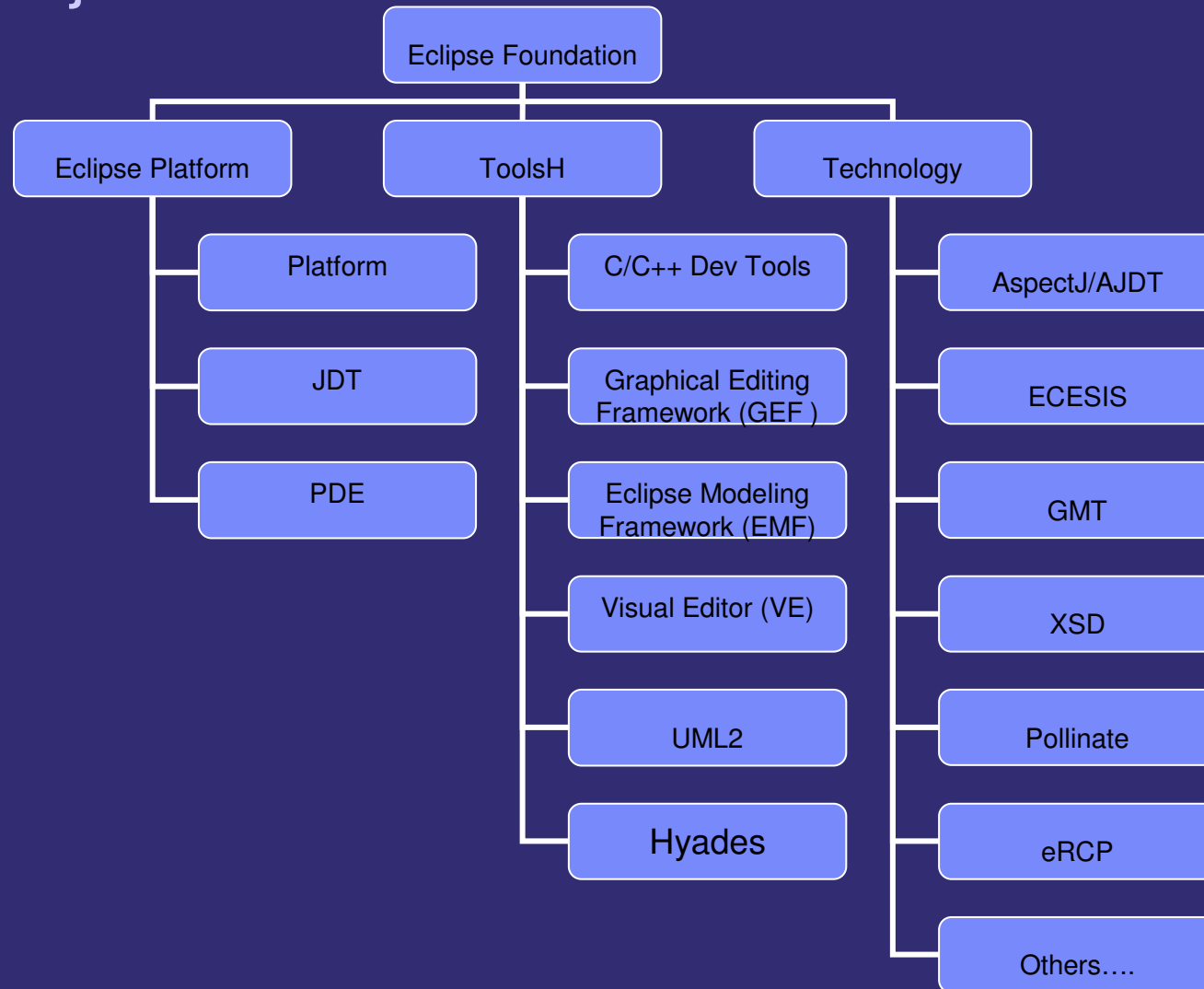
August 3, 2004



Agenda

- Introduction
- Project Structure Today
- Eclipse Architecture: Now and Future
- Eclipse Project Status

Eclipse Projects Q2

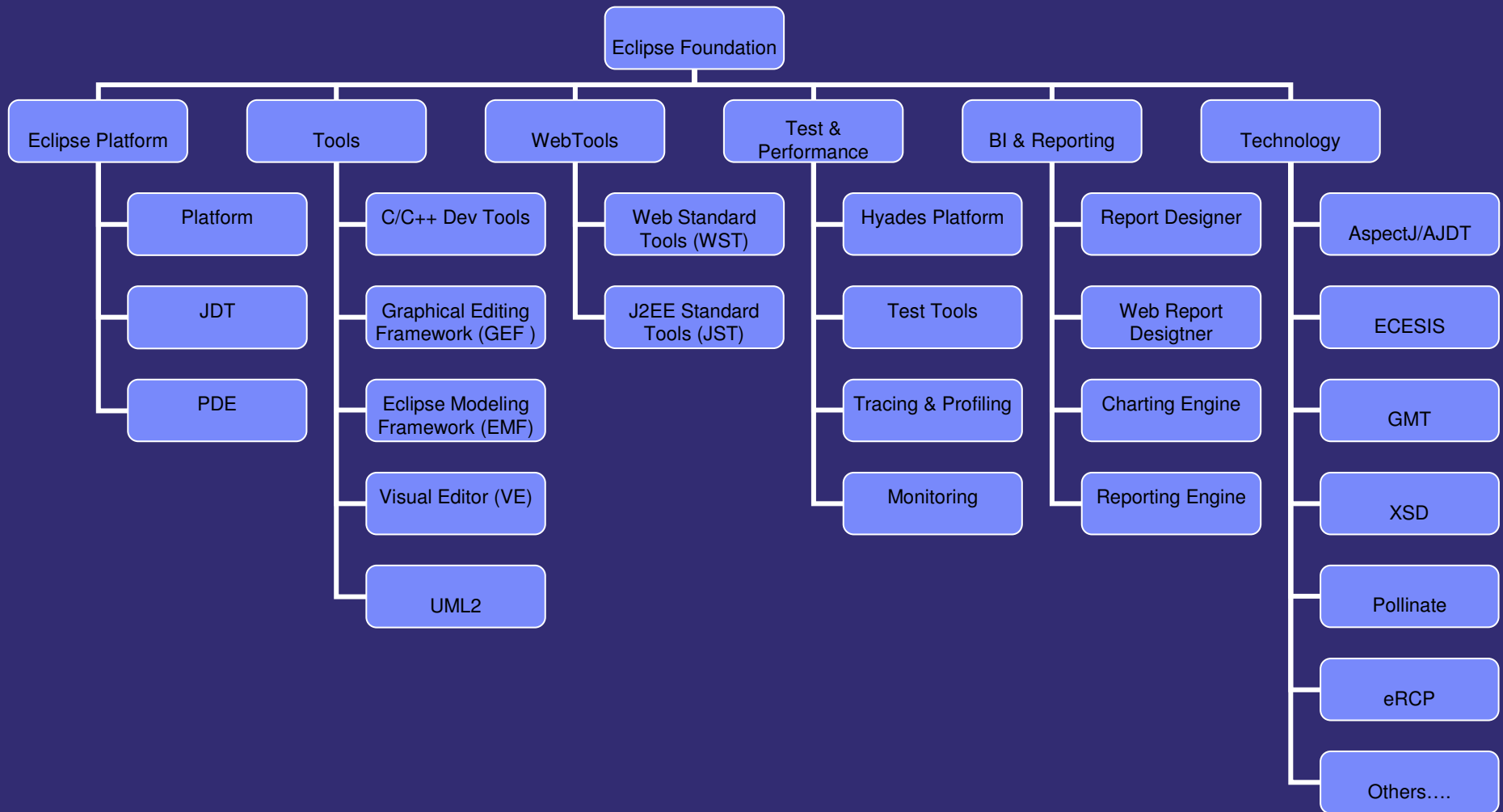




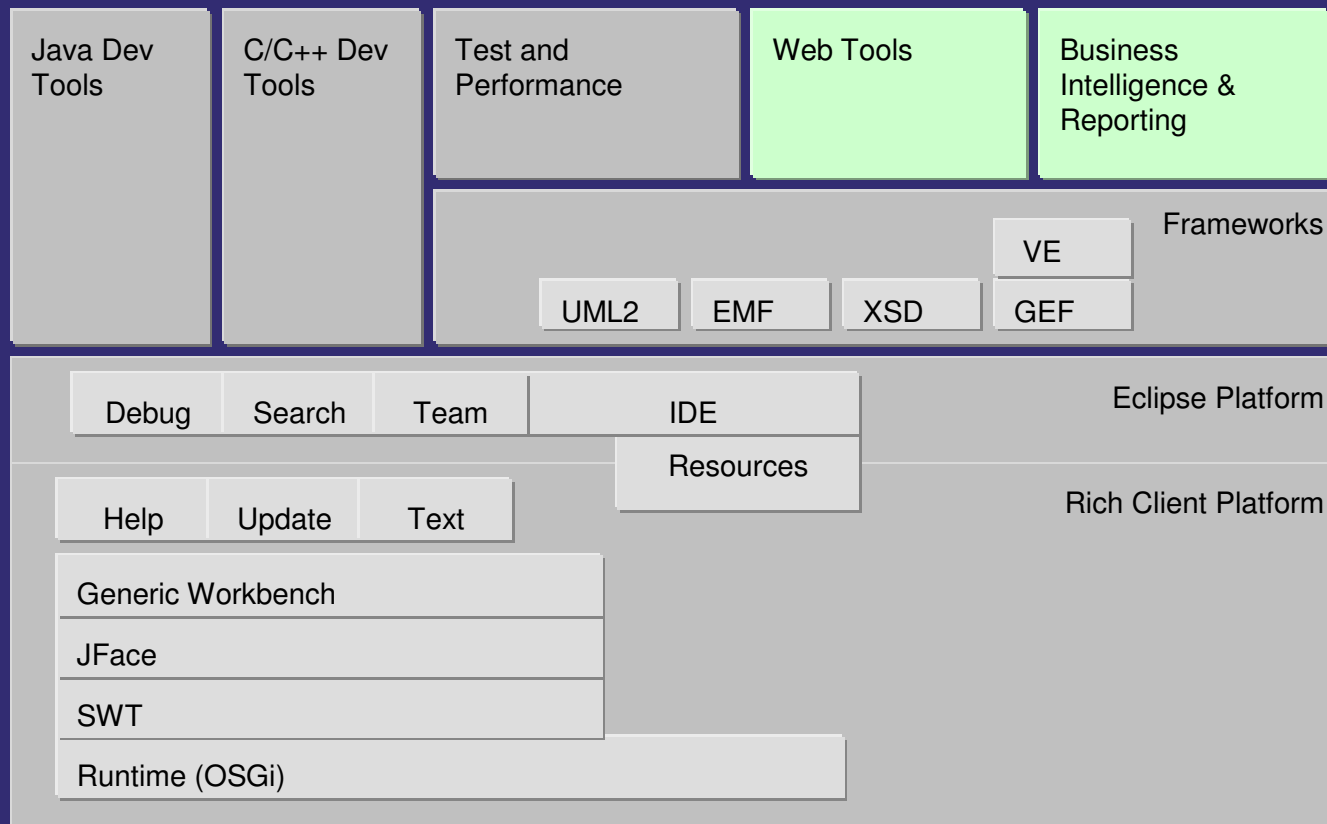
Q3 Accomplishments

- Created two new top-level projects
 - WTP
 - TPTP
- Proposed a third new top-level project
 - BIRT
 - Creation review 9/22
 - Board approval meeting on 9/24
- *Lots* of activity in the Technology PMC
 - Pollinate created
 - eRCP proposed
 - Voicetools proposed
 - Ecomm proposed
 - Pipeline of additional proposals
 - Modelware (November)
 - SOA Blueprints (November)
 - SocialPhysics

Eclipse Project Structure Today



Eclipse Architecture

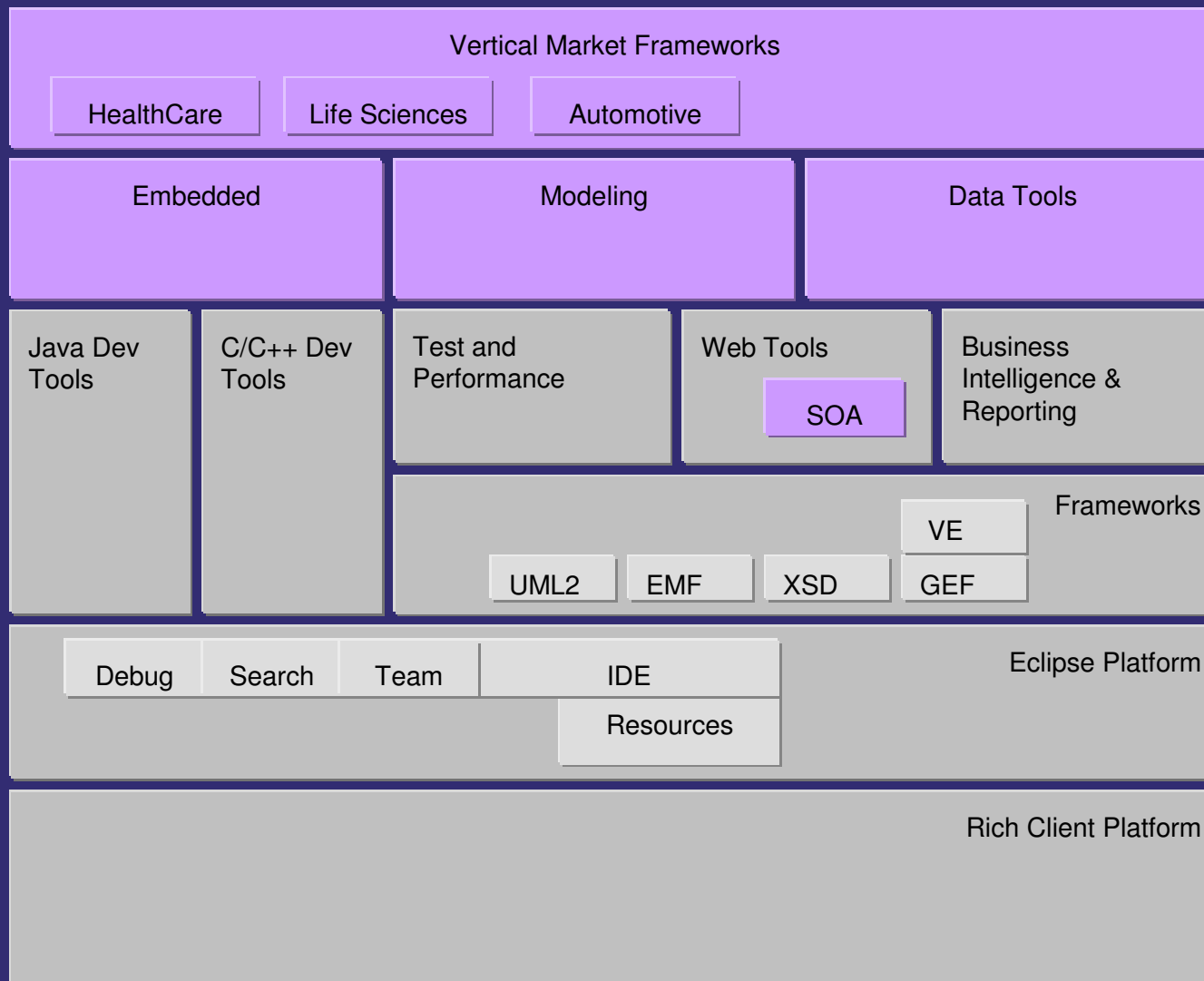




The Eclipse Platform – The Future

- Enhance and evolve the Eclipse Tools
 - WebTools
 - Support for Service Oriented Architecture
- Target RCP for additional operating environments
 - Ex. embedded constrained devices
 - Additional application frameworks based on the RCP
- Extend coverage of the development life-cycle
 - Evolve Eclipse modeling tools
 - Deployment, management
 - Business intelligence and reporting tools
- Enhance embedded tooling support
 - Multiple language support
 - Multiple target support
- Investigate vertical market technology frameworks
 - Aerospace, Automotive, Health Care

Eclipse Architecture: Future Directions





Project Updates

August 3, 2004



Eclipse Platform Project

- **Project Name:** Eclipse Project (usually referred to as "Eclipse Platform" to reflect actual scope)
- **Project Leaders:**
PMC: Erich Gamma, Kevin Haaland, John Wiegand (lead)
- **Project Description:**
Charter is <http://www.eclipse.org/eclipse/eclipse-charter.html>
- **Projects:**
 - **Platform (includes RCP)**
 - **Plug-in Development Environment (PDE)**
 - **Java development tools (JDT)**



Eclipse Platform Project: Executive Summary

- **Executive Summary:**

We have enabled and are delivering performance tests with Eclipse 3.1 - results are posted with each build. Currently there are more than 200 tests. The performance data is captured in a database and this will allow us to notice and remedy performance regressions more easily.

Approximately 1000 defect fixes and enhancements have been made to the 3.1 stream so far.

The changes to the Java tools to support J2SE 5.0 (aka 1.5) are proceeding nicely. The Eclipse Java compiler now handles generics, enhanced for loops, hexadecimal floating point literals, and varargs (at this point we're passing 96.8% of the JCK1.5 compliance tests). The other language additions - enumerations, annotations, static imports, autoboxing - are parsed, but are not yet being processed any deeper than that. Support for these other new language features will be introduced in future 3.1 milestones. Initial refactoring support for the new language constructs is also in place.

We are enhancing PDE to help in the creation of RCP applications.



Eclipse Platform Project: Key Dates

Key Release Dates:

Eclipse SDK 3.1 schedule is as follows:

- Friday Aug. 13, 2004 - Milestone 1 (3.1 M1) - stable build (delivered)
- Friday Sep. 24, 2004 - Milestone 2 (3.1 M2) - stable build (delivered)
- Friday Nov. 5, 2004 - Milestone 3 (3.1 M3) - stable build
- Friday Dec. 17, 2004 - Milestone 4 (3.1 M4) - stable build
- Friday Feb. 18, 2005 - Milestone 5 (3.1 M5) - stable build
- Friday Apr. 1, 2005 - Milestone 6 (3.1 M6) - stable build

The 3.1 release is targeted for 2Q2005



WebTools Project

Project Name: Web Tools Platform Project

Project Leaders:

Bjorn Freeman-Benson (author of this plan update)

Christophe Ney

Dominique de Vito

Arthur Ryman

Naci Dai

Jochen Krause

David Williams

Mitch Sonies

Project Description: <http://www.eclipse.org/webtools/project-scope.html>



WebTools Project: Executive Summary

Executive Summary:

Effectively, the project did not start until September due to the combination of vacation schedules, the commercial commitments of a major contributor, and other factors.

The first chunks of code have been evaluated, revamped, and moved from the initial contributions into the CVS repository. We expect the pace of this movement to accelerate in the next quarter. We are committed to committing [sic] as fast as the community can understand the architecture, design, and code. We are working on the pieces on the critical path to a larger framework, e.g., structured source editing which is a prerequisite for JSP editing, etc.

We have found starting this project to be harder than we anticipated given its unique situation of being (a) the first time such a diverse team has been tried from day one, and (b) the first time a project has started with a large code contribution that many contributors must become familiar with.



WebTools Project: Key Dates

Key Release Dates:

M1 - October 15, 2004 - Finalize build infrastructure and server tools.

M2 - December 15, 2004

- Flexible project layout. Initial structure source editing and EJB tools.

M3 - February 15, 2005

- Improved structured source editing and EJB tools. Database tools and initial Web Services.



Test and Performance Tools Platform Project

Project Name:

Eclipse Test & Performance Tools Platform (TPTP) Project

Project Leaders:

Tyler Thessin – PMC Lead, Hyades Platform Project Lead, TPTP Planning Group Chair

Mike Norman – PMC Member, Hyades Testing Project Lead, TPTP Requirements Group Chair

Harm Sluiman – PMC Member, TPTP Architecture Group Chair

Serge Lucio – PMC Member, Hyades Tracing and Profiling Project Lead, Hyades Monitoring Project Lead

Melanie Woods – PMC Member, TPTP Marketing Group Chair



TPTP: Description

Project Description:

Mission: The mission of the Eclipse Test & Performance Project is to build a generic, extensible, standards-based tool platform upon which software developers can create specialized, differentiated, and interoperable offerings for world class test and performance tools.

Scope: The Eclipse Test & Performance Project will extend the family of Eclipse technologies to provide an open development platform supplying frameworks and services for test and performance tools that are used throughout the lifecycle (e.g., testing, tracing/profiling, tuning, logging, monitoring, analysis, autonomics, administration, etc., but not development tools such as optimizing compilers) and support a spectrum of standalone through highly-distributed and embedded through enterprise computing systems.

The project will also deliver exemplary tools that verify the utility of and illustrate the appropriate use of the platform, support the development and maintenance of the platform itself, and are extensible via documented programmatic interfaces.



TPTP: Executive Summary

Executive Summary:

We are making progress, albeit slow, on completing the restructuring of the Hyades project into TPTP. In parallel we delivered the 3.0.1 maintenance release 22-Sept and the 3.1 feature release 5-Oct.

Our contribution momentum is continuing with confirmation of contributions by Computer Associates and Compuware and stepped up contributions from FOKUS. We need to close with HP, Quest Software, Novell, and Real Time Innovations who earlier indicated interest in contributing and are evaluating specific opportunities.

Our Marketing group is in full-swing helping us prepare for a potential Q4 momentum press release for the project (possibly around 3.2 release, new contributors, etc. in December), EclipseCon (defining tracks/sessions, presentations, demos, tutorials, etc.), and website restructuring.

We're now firming up final plans for our 3.2 release in Dec-04 and working toward finalizing plans for our 3.3 release in Mar-05



TPTP: Key Dates

List of Currently Shipping Software Distributions:

Hyades 3.1.0 – Latest minor release (Tue, Oct 5, 2004)

Hyades 3.0.1 – Maintenance stream for latest major release (Wed, Sep 22, 2004)

Hyades 3.0.0 – Latest major release (Mon, Jun 21, 2004)

Key Release Dates:

3.2.0 – Dec 15

3.0.2 – Maintenance stream for Hyades 3.0 (aligned with Eclipse Platform 3.0.2 in Feb/Mar'05)

3.3.0 – Mar '05

4.0.0 – Jun '05 (aligned with Eclipse Platform 3.1 release)

4.1.0 – Sep '05



Technology Project

Project Name: Technology Project

PMC Members

Dr. Brian Barry - PMC Lead
John Duimovich
Dr. Bjorn Freeman-Benson

Mission

The Technology PMC hosts Research, Education and Incubator projects which have particular relevance to Eclipse. Unlike other PMCs it has no overriding technical theme or objective, rather it encompasses projects covering a broad spectrum of technologies and technical areas. For the most part, projects operate independently from one another and the PMC allows individual projects a great deal of autonomy. Current projects can however be grouped into several theme areas: Aspect-Oriented Systems and Programming; Collaboration; Education; Model Driven Development; Web Tools; and Incubators.



Technology Projects

- AspectJ
- Koi (Collaboration)
- ECESIS (Education)
- GMT (Model Driven Development)
- XSD (XML Schema Infoset Model)
- WSVT (Web Service Validation Tools – WSI Basis Profile 1.0)
- Incubators
 - Equinox, Stellation, Pollinate, OMELET
- Current Proposals
 - ECF (Communications and Collaboration)
 - Voice Tools
 - eRCP



Business Intelligence and Reporting Project

Please welcome Paul Clenahan, Actuate