



Buckminster

Europa Review/06 June 2007

30 May 2007



CONTENTS SUMMARY

- Scope Recap
- New & Interesting
- New & Interesting Functionality
- Project Quality & Execution
- Community

SCOPE RECAP

Buckminster provides project-agnostic mechanisms for describing, publishing and consuming (as source or binary) a development project's component structure and dependencies.

- Complex dependency resolution mechanisms
- Uniform, technology-agnostic component dependency description formats for Intelligent “materialization” mechanisms
- Flexible project workspace binding
- Support for existing Eclipse & non-Eclipse build technologies
- “Headless” (or command line) execution mode

NEW & INTERESTING FUNCTIONALITY

New & interesting capabilities in the Buckminster/Europa release:

- Component queries: allows greater control over transitive resolution processes
- Two-phase resolutions: resolution to “bill of materials” allows repeated materialization of fixed resolution
- Materialization spec: gives users fine-grained control over materialization process, pipelines, destinations & conflicts
- Action framework: supports assembly processes that call native Eclipse (PDE build) and external build tools
- Improved support for headless execution
- XML Schemas for all artifacts

PROJECT QUALITY & EXECUTION

- Architectural Quality
 - Significant improvements since start of Europa release-train
 - APIs now of “Eclipse quality”
 - XML schemas for all artifacts
 - All significant architectural elements have extension points
- Bugzilla Trends
 - Bugzilla backlog continues to be low
 - Only 5 of 30 logged issues are “bugs” (vs. enhancements, etc.)
 - Final Buckminster/Europa release will have no priority bugs
 - Typical turnaround for critical bug fixes stable at <24 hours
- Release Milestones
 - Synchronized with Europa release-train
 - Joined release-train at M3
 - Met all Europa milestones since M3

PROJECT QUALITY & EXECUTION (cont'd)

- Documentation
 - Europa release introduces first competent document-set
 - Documentation remains major priority for next year
- Usability
 - Usability currently “acceptable” but will be top near-term priority
 - Initial visual editor-set & user wizards introduced
 - Complete set of artifact editors & overview editor in development for 3Q07 release
- IP STATUS
 - IP log up-to-date
 - No Eclipse-external components shipping in Buckminster/Europa
 - Approved external dependency `org.tigris.subversion.subclipse.core` for SVN support

PROJECT & END-USER ENAGEMENT

- **End-User Community.** Sample list of (known) enterprise user orgs:
 - BEA
 - CapeClear
 - IONA
 - Barco
- **Non-Eclipse Projects.** Active collaboration with:
 - Apache/Maven
 - OW2/Lomboz
 - IONA/Celtix
- **Eclipse Project Collaboration.** Active collaboration with:
 - Maya
 - Corona
 - ECF
 - STP
 - Dash/Europa-matic
 - Spaces
 - Ganymede/Provisioning

PLANNED ECLPSE PROJECT COLLABORATION

- + **Corona**: support for collaborative processes
- + **Dash**: better distro assembly tools for committer community
- + **ECF**: more capable distributed materializations
- + **Maya**: complementary workspace and run-time provisioning
- + **Mylar**: materialization of code & context
- + **Spaces**: single-click publishing/consuming

COMITTER COMMUNITY

- Committer Base
 - Six active committers
 - Three new committers
 - Two new committers new to Eclipse
- Diversification
 - Multiple geographies
 - Multiple companies
- Cross-Commits
 - Corona
 - Maya
 - Spaces

VISIT US AT
<http://www.eclipse.org/buckminster>