

Buckminster

Graduation Review

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30 Jan 2008

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Project Overview

- Enables orchestration of assembly, build, and test in complex component based development scenarios
- Understands range of code sources such as SCM systems, structured repositories (update sites, Maven, Orbit, p2), extracts from download pages
- Advanced build orchestration with tight integration to PDE build and Ant
- Currently incubating under the ETP

Project Overview (cont'd)

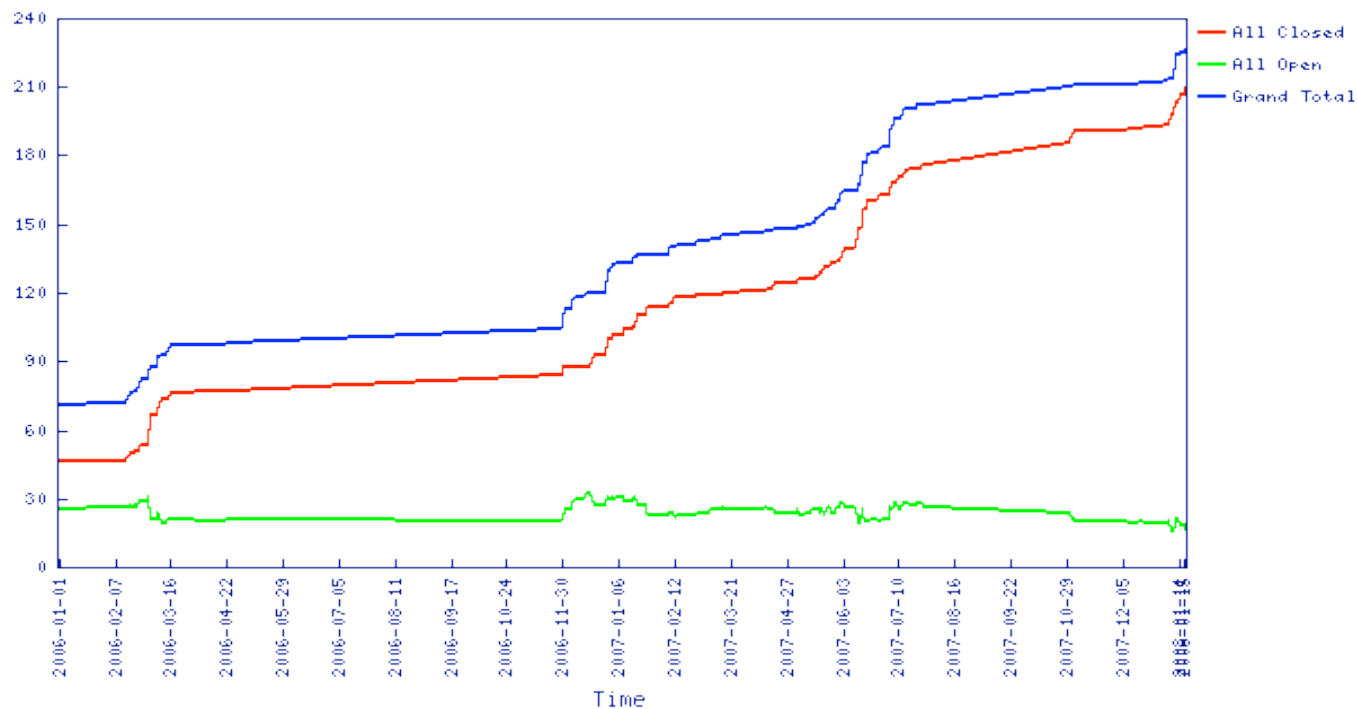
- Key Contributions
 - Cloudsmith Inc: 2 Project Leads + 4 committers
 - Devzus: 2 committers, committed to contributing Maven native provider
- Milestones
 - Creation review – May 23, 2005
 - Tech-preview version 0.1.0 version with Eclipse Europa
 - 0.2.0 release with Ganymede M3
 - 0.3.0 release with Ganymede M4
 - Graduation review – January 30, 2008
- Project home page: <http://www.eclipse.org/buckminster/>

Project Health

- Code-base
 - Active code-base
 - 400 average commits/month
 - Half of committers working on new features
- Testing
 - JUnit test cases for regression testing
 - “Dogfooding”: Buckminster used to assemble/build Buckminster
 - Other Eclipse projects used advanced build functions
- Documentation
 - Technical reference docs on project Wiki
 - Tutorial, demos, etc. available

Project Health (cont'd)

- Major bugs fixed within 1-2 days
- Typically ~20 bugs open, 30% enhancements



Open Source the Eclipse way

- Permeable
 - Issues discussed on mailing lists and the Eclipse Bugzilla
 - All code available through anonymous SVN at eclipse.org
 - Concepts and architecture described on project Wiki
- Receptive
 - Bug fixes and requested features often implemented within a week
 - Discussions with community on newsgroup and mailing list
- Intellectual property
 - All IP except third party is EPL-licensed
 - All third party dependencies are IP-approved
 - IP-log at http://www.eclipse.org/buckminster/ip_log.html

Communities

- **Developers**
 - 8 committers
 - Code contributions from individual contributors
- **Users**
 - Growing community of ISVs & enterprise development orgs
 - BEA using Buckminster for building JRockit Mission Control
 - Eclipse STP using Buckminster
 - Other Eclipse projects showing great interest
- **Integration**
 - Ganymatic built on Buckminster technology
 - Buckminster to be used for workspace provisioning in the Eclipse Spaces project

Move to Tools top-level project

- We plan to move the Buckminster project to the Tools top-level project when the graduation is completed
 - Approvals:
 - Move to Tools project approved by Tools PMC members Doug Schaefer and Jeff McAffer
 - Move from Technology project approved by Technology PMC Bjorn Freeman Benson

Move plan

- Web page updates so that the Buckminster project is listed under Tools and no longer listed under Technology
 - Bugzilla changes to reflect that Tools is now the top-level parent project
 - Newsgroup name changes:
 - `eclipse.technology.buckminster` -> `eclipse.tools.buckminster`
 - `eclipse.technology.buckminster-dev` -> `eclipse.tools.buckminster-dev`
 - The mailing list name, `buckminster-dev@eclipse.org` will remain unchanged.
 - Code base move from `/svnroot/technology` to `/svnroot/tools`
 - Verify with Eclipse Legal that all committers have legal agreements and upgrade for those who needs it.

Next release

- Buckminster 1.0 – June, 2008
- Key functional adds:
 - Documentation integrated into Eclipse Help system
 - Full support for p2
 - Materialization based on ECF and p2 download manager
 - Active Project management completed

Feedback

We welcome your feedback, requirements & issues:

- Newsgroup: buckminster
- Mailing lists: buckminster@eclipse.org (mirrored to newsgroup) & buckminster-dev@eclipse.org
- Eclipse Bugzilla: project Technology -> Buckminster

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