

Applying POS Development Process

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Agenda

- JBoss Development Process Overview
- What is unique about it?
- What can you take back?
- JBoss Committer Program

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JBoss Professional Open Source Methodology



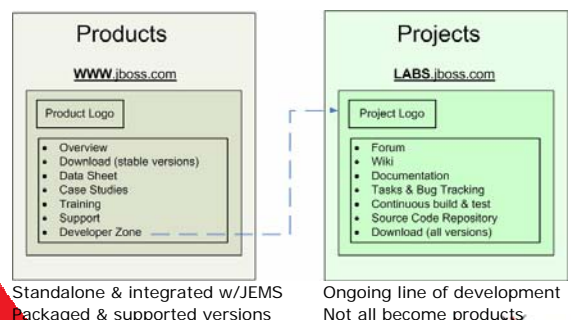
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OSS Challenges & Professional OS Benefits

- | Challenges | Benefits |
|--|---|
| • Lack of adequate support and maintenance | • Safety for Customers |
| • Lack of continued innovation | • Innovative Enterprise-Quality Products |
| • Lack of funding for developers | • JBoss, Inc. Drives Innovation & Customer Satisfaction |
| • Lack of visibility/certainty around product road map | • Vibrant Community Assures Stability & Viability |
| • Concern over IP risks | • Extensive Partner Ecosystem Expands Value Chain |
| • Lack of functionality/ease of use for IT managers, particularly across enterprise environments | |
| • Lack of stable business model to fund new development and expand into new product areas | |
| • Lack of structured and scalable partner ecosystem devoted to enabling customer success | |

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Products vs. Projects



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2005 Roadmap Objectives

- Build out JEMS product offerings with goal of being de-facto comprehensive middleware standard
- Establish the methodologies for technology development, product distribution, and customer service that make JBoss the standard that successful companies and projects build around

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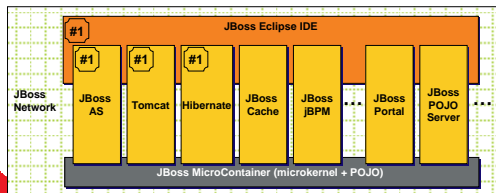
JEMS Functionality

Available Today

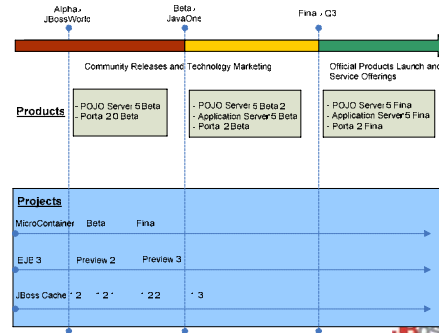
- JBoss AS: J2EE App Server
- Tomcat: JSP/Servlet Container
- Hibernate: Persistence, OR Mapping
- JBoss Cache: Distributed caching
- JBoss jBPM: Workflow engine
- JBoss Eclipse IDE: Development

Coming in 2005

- JBoss Portal: Portal framework
- JBoss POJO Server: JBoss AS for Enterprise POJOs
- JBoss Network: Knowledge, Patch Distribution, Application Management



Example: JEMS 2005 Integration Milestones



What is unique about it?

- **THE** Coolest company to work for!
 - ✓ Good motivator
- Bullet Proof Hiring Policy
 - ✓ Global talent pool
 - ✓ All core developers with OSS credentials
 - ✓ Most were JBoss contributors
 - ✓ Each on the radar for 3+ months
- Best possible technology validation
 - ✓ Large, vibrant community
 - ✓ 6 million downloads can't be wrong
 - ✓ Research outside of the lab



What is unique about it?

- Users develop and test
 - ✓ "Given enough eyeballs, all bugs are shallow", E. Raymond
- Multi-peer code review
- Micro-kernel platform
 - ✓ Enables asynchronous contributions in a distributed team
 - ✓ Truly Modular architecture
 - ✓ Decentralized development



What can you take away?

- Take time to hire the right people!
 - ✓ JBoss, Inc. has 0 developer attrition
 - ✓ Everyone fits the company culture
 - ✓ Unifier: Fairly rewarded innovation
- Setup a result driven environment
 - ✓ Set objectives not work time
 - ✓ Micromanagement is expensive
 - ✓ Working from home is fine
- Solve the innovator dilemma
 - ✓ JBoss uses the community to validate innovation



More Good Tools, Less Red Tape

- Tools don't have to be perfect
- But have to be liked by developers
 - ✓ Easy to use and Practical
- Wiki – One of the most visited web site areas
- JIRA – Promotes planning
- Forums – Users help each other
- CVS – Accessible and popular version control



Involvement users

- Encourage contributions
 - ✓ Add or Update Wiki pages
 - ✓ Create and vote on JIRA issues
 - ✓ Post and answer questions on forums
 - ✓ Check-in code to CVS
- Taking part in a project, develops sense of ownership
- Users become part of the team
 - ✓ Buy in, embrace and advocate
- Setup peer review policy



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What can you take away?

- Shared staffing model
 - ✓ Developers contribute to multiple projects
 - ✓ Project Committer levels
 - Core developer (on project A)
 - Contributor (on project B)
 - User (on projects C and D)
- Release early, release often
 - ✓ Nightly builds
 - ✓ Frequent development releases
 - ✓ Timely stable releases



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JBoss Committer Program

- A graduation program for partners
- Standards are necessary but not sufficient
- Closer relationship with JBoss core team
- Insight to future technology direction
- Ability to provide early feedback to roadmap



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JBoss Committer Program (cont.)

- It's about the **A** players
- In a typical enterprise software project, **1 in 10** developers write **80%** of the critical code
- A players should be JBoss Committers
- Closely involved with the infrastructure development
- Driving architecture of vertical application



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Q&A



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