


An Introduction to
JBoss Collaboration Server


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Introductions


- Andrew C. Oliver
 - ✓ "Lead" of JBoss Collaboration Server
 - ✓ Mobile provider/manufacturer background
 - ✓ Java since '98
 - ✓ Former member of Apache Software Foundation
 - ✓ Founder, POI @ Apache Jakarta
- James Ward
 - ✓ Flex Genius
 - ✓ Main author of JBoss Collaboration Client
- Aron Sogor
 - ✓ Main author JBoss Calendar
 - ✓ Formerly Vodafone



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Overview


- Introduction
- Market
- Dates
- Demos



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Introduction


- JBoss Mail Server
 - ✓ SMTP/POP3/IMAP*
 - ✓ SSL/TLS
 - ✓ JAAS (DB, LDAP*, etc*)
 - ✓ Support for YOUR database (JDBC3/MySQL/PGSQL)
 - ✓ JDBC3 - yes that means Oracle too
- JBoss Calendar
 - ✓ iCal
 - ✓ Event Scheduling
 - ✓ Address Book
- JBoss Collaboration Client
 - ✓ Based on *the free* Adobe Flex framework and Flash
 - ✓ Rich, Attractive, Responsive



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What is Collaboration

- Collaboration isn't
 - ✓ A mail server, calendar, webmail
 - ✓ Postfix + STUFF
- It is at least
 - ✓ A mail server, calendar, webmail with the sticky goo that makes them work together
- It is expanding
 - ✓ Chat
 - ✓ Files
 - ✓ Voice
 - ✓ Mobile
 - ✓ ...



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The Market

- 1.6 billion/year with 10% growth/year according to analysts.
- This is probably with a more strict definition.
- Dominated by 2 players. One healthy and one unhealthy and in divestiture.



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The Market

- JBCS has two major markets
 - ✓ Traditional - using traditional and non-traditional clients (Thunderbird, Outlook, webmail)
 - ✓ Non-traditional - with no clients. Mobile companies, etc. We call this M2.



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MBAs and CBAS

- Mail-Based Applications
 - ✓ Mails come in and are routed, templated or kick off processes
- Collaboration-Based Application Services
 - ✓ MBAs are just a type of CBAS that don't involve calendaring or chat or other stuff.
 - ✓ CBAS applications often are "event-based" or involve event workflows.
- For 1.0 you have to be a Java developer to create MBAs and CBAS type applications.
 - ✓ By 1.5 we expect that you can do these with a scripting language (probably JavaScript) and can be a skilled administrator (someone who writes shell scripts).



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Dates

- 1.0
 - ✓ We'd planned to have it for JBoss World but pushed it back to August
 - ✓ Production-ready IMAP
 - ✓ GUI Administration
 - ✓ Meeting Scheduling
 - ✓ iCal import/export
- 1.5
 - ✓ January 2007
 - ✓ Public folders
 - ✓ Mail/Calendar scripting
 - ✓ SPF
 - ✓ Targeting increasingly larger traditional deployments.
 - ✓ Mobile support
 - ✓ Enhanced desktop client support
- 2.0
 - ✓ December 2007
 - ✓ Port exchange protocol (aka MAPI protocol aka weird MS DCE fork)
 - ✓ Files
 - ✓ Chat



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State of things

- Experimental IMAP support in M5-pre1
- Web/Flash/Flex based client in M5-pre1
 - ✓ Online Demo
- Early release MBA/CBAS APIs
- STABLE POP/SMTP
- Specific support for PostgreSQL, MySQL, Oracle (workarounds)
- Admin console back end support (GUI under development)
- JAAS-based security (DB, file, LDAP)
- Virtual host support
- Stable IMAP in upcoming M6/RC1



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State of things (cont)

- Event Scheduling
- Event Notification
- iCal (WebDAV import/export)
- Address book



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Calendaring

- Event Scheduling for private and group events.
- Leverage J2EE for workflow integration, notification.
- Stored in RDBMS, easy integration with reporting.
- Import export from multiple formats including iCAL.
- IMIP/ITIP support.



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Mobile Support

- WAP/WML/XHTML for distributing vCard, vCalendar, vTodo, call link.
- Smart messaging for push.
- SyncML the emerging standard.
- Work with high end devices to support custom protocols. (BlackBerry, Palm, WinCE)
- Platform services for custom clients (J2ME, Brew).



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Mobile Support

For great penetration use a familiar client in a new way, and stretch their capability to the limits.



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Flash and Flex

- Administration and Mail Client (Web delivered) based on Adobe Flex 2.0.
- Requires Flash 9
 - ✓ In Beta
 - ✓ Release "Q2"
 - ✓ Linux release planned around September
- Rich Web
- Plan to have both Offline and Online modes
 - ✓ Online works now
- CBAS application was blogged



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Focus/Differentiation

- 100% Pure Open Source
 - ✓ LGPL license
- Open Protocols
 - ✓ Where possible
 - ✓ "In the clear" where not
- Database Independence
- Platform Independence
 - ✓ Java5/JBAS/JDBC3 are the only real requirements
- MBA/CBAS support
- Support for most popular clients



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