



# JBoss Enterprise Platforms and Product Roadmap

**Aaron Darcy**

**JBoss Product Line Director**

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# Session Objectives

- Review market dynamics & Red Hat strategy
- Understand JBoss development model
  - JBoss.org vs. JBoss Enterprise Middleware
- Provide JBoss Enterprise Middleware Overview & Roadmap

# IT Drives Innovation and Revenue Streams

Over 50% of *CIO* survey respondents said:

“IT should proactively envision business possibilities and take the initiative to make them a reality.”

- The State of the CIO 2008, CIO Magazine

IT's PREDICTED IMPACT IN 2008	
1	Enable business innovation
2	Reduce business costs
3	Improve customer satisfaction
4	Improve security/risk management
5	Grow existing revenue streams
6	Create competitive advantage
7	Enable new revenue streams
8	Enable global expansion
9	Supply chain automation/visibility
10	Enable regulatory compliance

Note: Based on ratings from CIO Function Head

# Barriers to Effectiveness

## YOUR BIGGEST BARRIERS TO JOB EFFECTIVENESS

1. Overwhelming backlog of requests and projects
2. Inadequate budgets
3. Shortage of time for strategic thinking and planning
4. Unrealistic expectations from the business
5. Unknown expectations from the business
6. Lack of key technical skill sets within the IT department
7. Overwhelming pace of technology change
8. Lack of business knowledge within the IT department
9. Lack of alignment between business goals and IT efforts
10. Difficulty proving the value of IT

January 2006, <http://www.cio.com/state>

# Red Hat open source solution stack changes the economics of IT infrastructure

- Offers proprietary replacements across the software stack
- Lower TCO, higher value
- Increased customer leverage & choice
- Code transparency speeds development, time to solution

BEA AquaLogic, IBM ESB,  
BEA DataServices, IBM EII

BEA/IBM Portal,  
BEA BPM, ILOG JRules

BEA WebLogic,  
IBM WebSphere

AIX, HP-UX, Solaris

EMC PowerPath

Veritas  
Storage Suite

JBoss SOA Platform,  
MetaMatrix

JBoss Portal Platform,  
JBoss jBPM, Rules

JBoss Application  
Platform

Enterprise Linux

MPIO

Global File  
System

# JBoss Enterprise Middleware

- **Develop (developer tools & frameworks)**
  - *JBoss Developer Studio*: Full-featured development environment
  - *JBoss jBPM*: Business process automation & workflow engine
  - *JBoss Rules*: Business rules definition & management system
  - *Hibernate*: Object-relational mapping & persistence
  - *JBoss Seam*: Web 2.0 application framework
  
- **Deploy and Integrate (enterprise runtime platforms)**
  - *JBoss Application Platform*: Java EE application & service platform
  - *JBoss Portal Platform*: Personalized user interaction platform
  - *MetaMatrix*: Metadata-driven data services/federation platform
  - *JBoss SOA Platform*: Application & service integration platform
  - *JBoss Communications Platform*: Voice, video and data Telco platform
  
- **Manage (operational tools)**
  - *JBoss Operations Network*: JBoss administration/monitoring

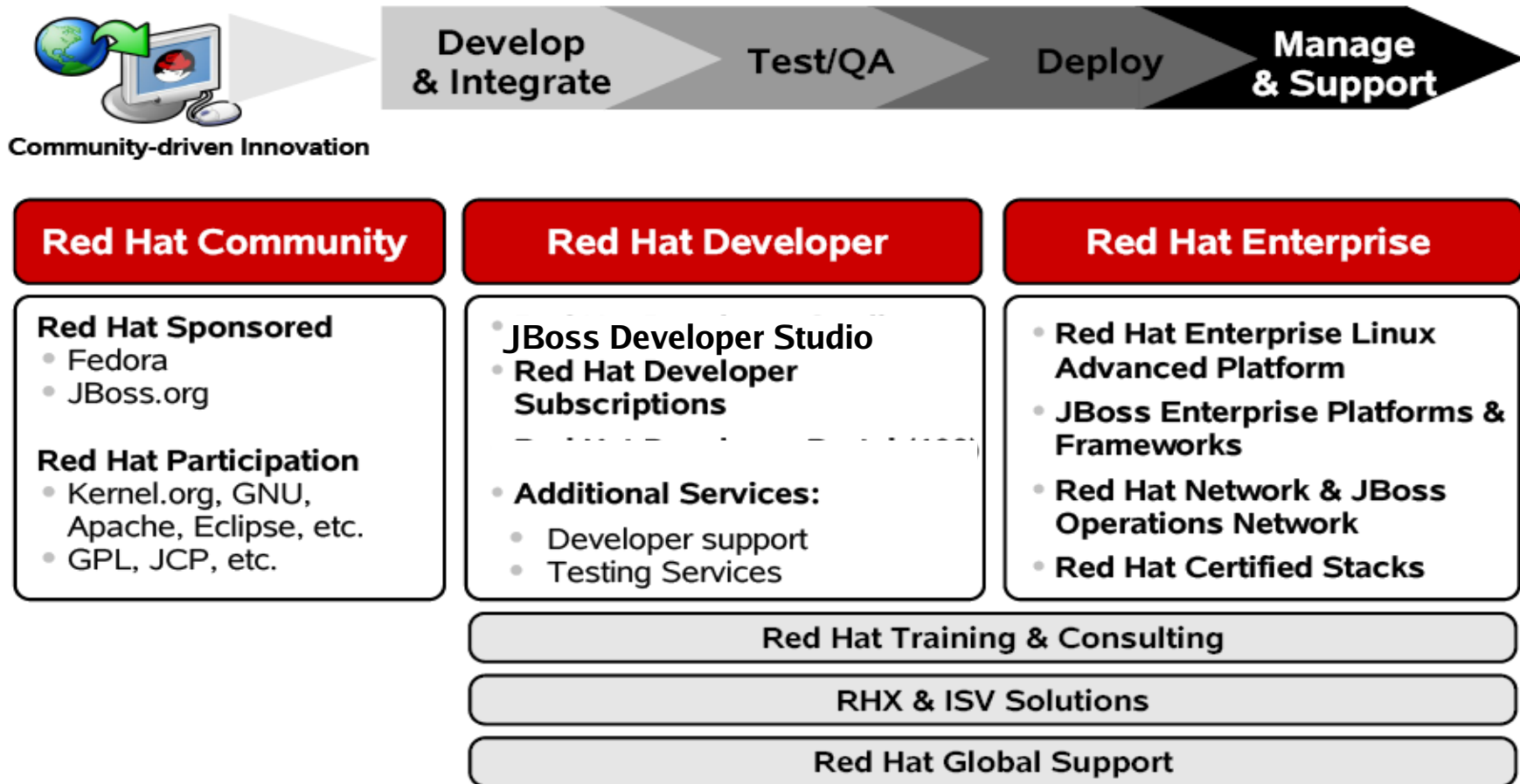
# JBoss Enterprise Middleware

## Subscription Elements

- **Product access:** Source and binary code; documentation
- **Updates:** regular updates with general enhancements, new features, defects, etc.
- **Patches:** latest bug fixes and security errata
- **Flexibility:** access to and support for any previous version
- **JBoss Customer Support Portal:** open and track support cases in real-time, customize patch or upgrade alerts, and download certified patches and updates
- **Support:** Multiple support services providing unlimited incidents and coverage up to 24x7 with 1 hour response
- **Long term stability:** Multi-year support and update policies for all JBoss Enterprise Middleware
- **Legal assurance:** safeguards customers who are developing and deploying open source solutions from legal harm

# Open Source Model

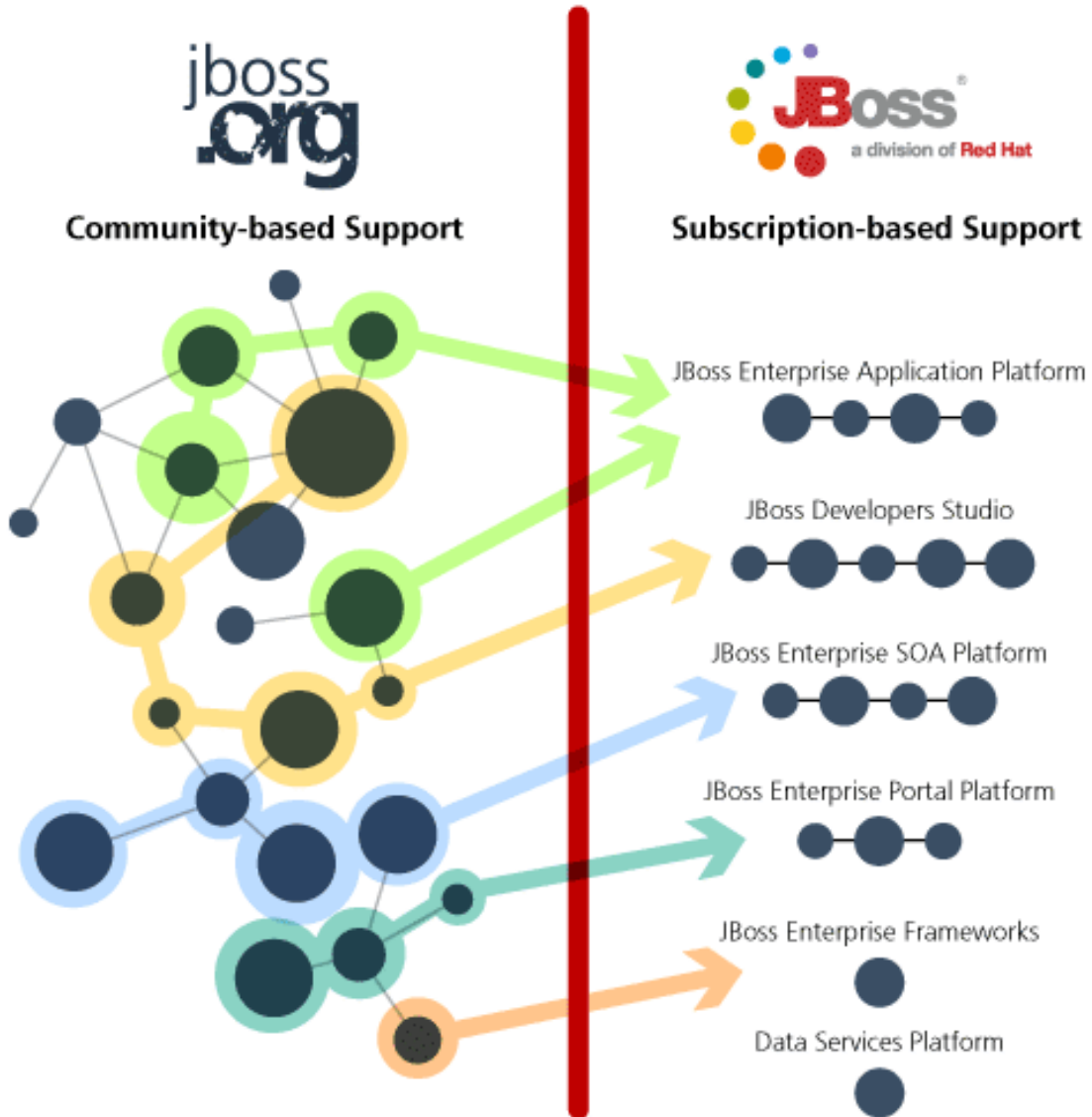
## Community and Enterprise



Red Hat provides enterprise ready open source software

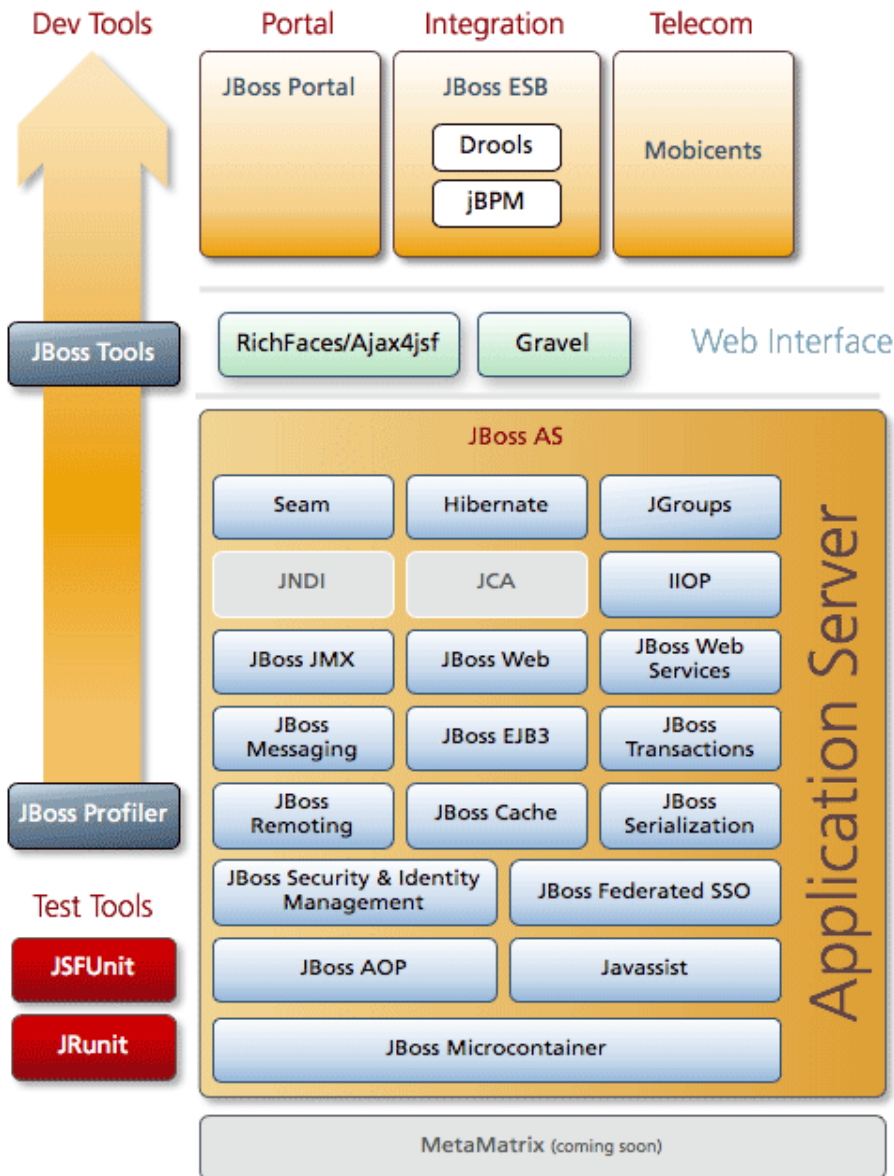
# JBoss.org Community

# JBoss Enterprise Middleware



When does it make sense to use one or the other?

# JBoss.org Community Projects

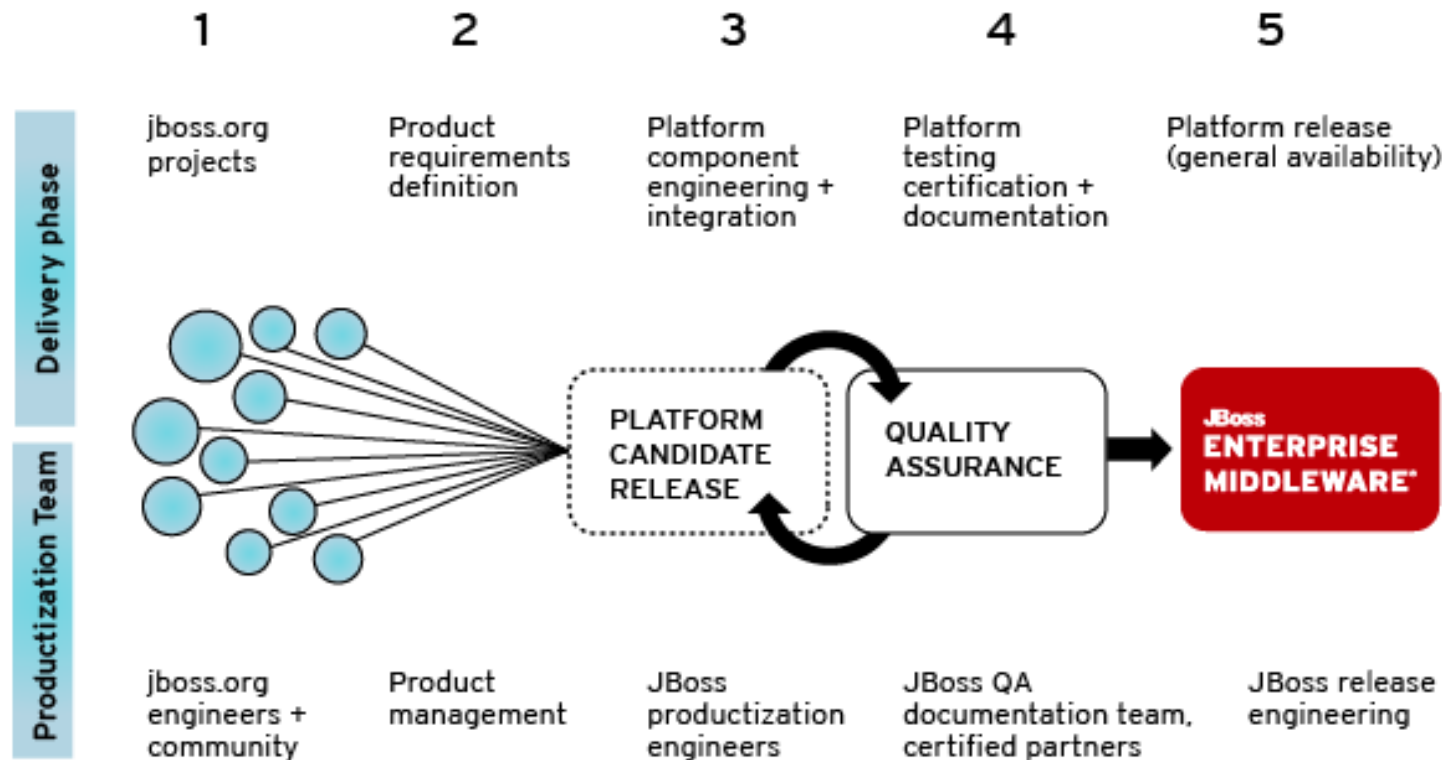


- Focus on “release early, release often”
- 35+ projects with different release schedules, versions, dependencies, etc.
- 100,000+ registered developers
- Community support with forums, project developers, wiki, issue trackers, etc.

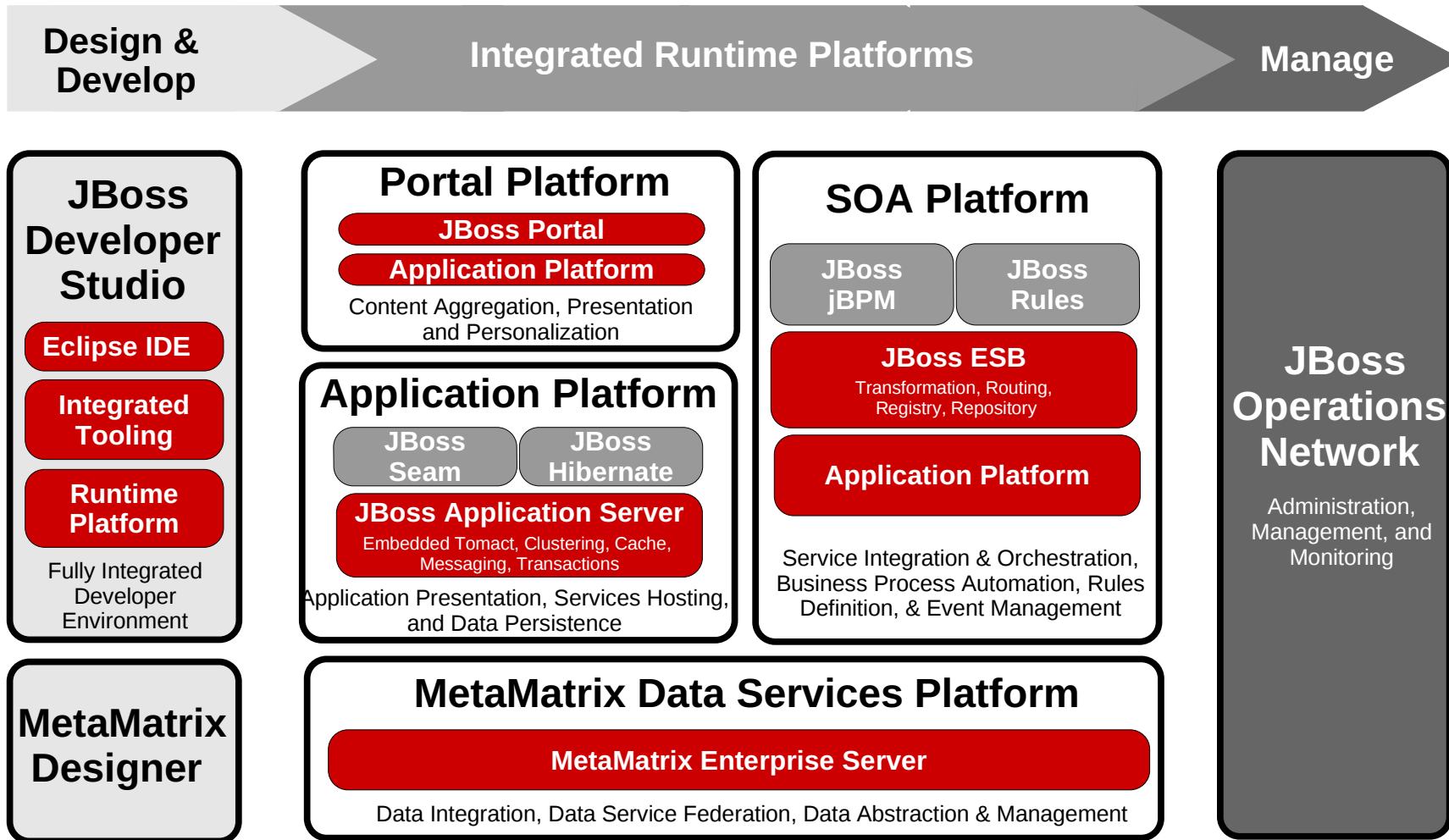
# JBoss Enterprise Middleware

## What makes up a certified platform?

- Each JBoss Enterprise Middleware platform goes through a 5 phase delivery methodology that involves many traditional elements of the software development lifecycle:



# JBoss Enterprise Middleware



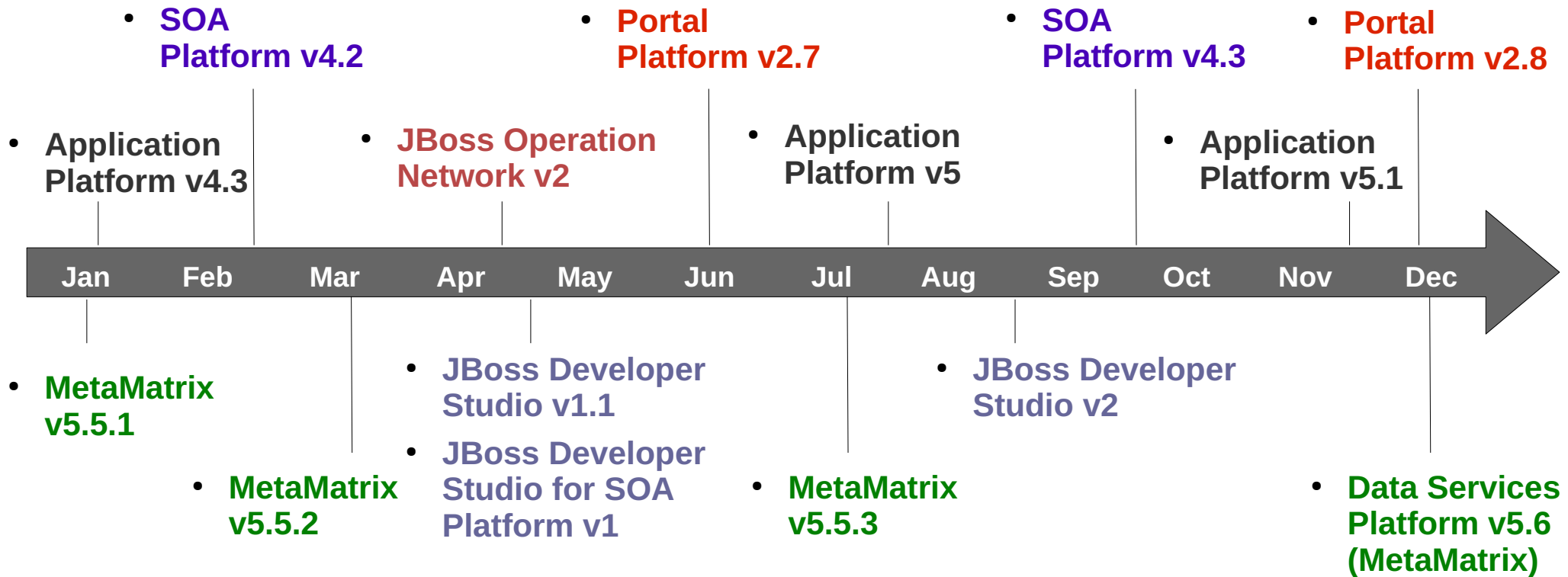
**Enterprise Platforms** Integrated distribution with a single patch & update cycle

**Enterprise Frameworks** Modular productivity tools that also work on other vendors application servers

**Component** major component or set of integrated components

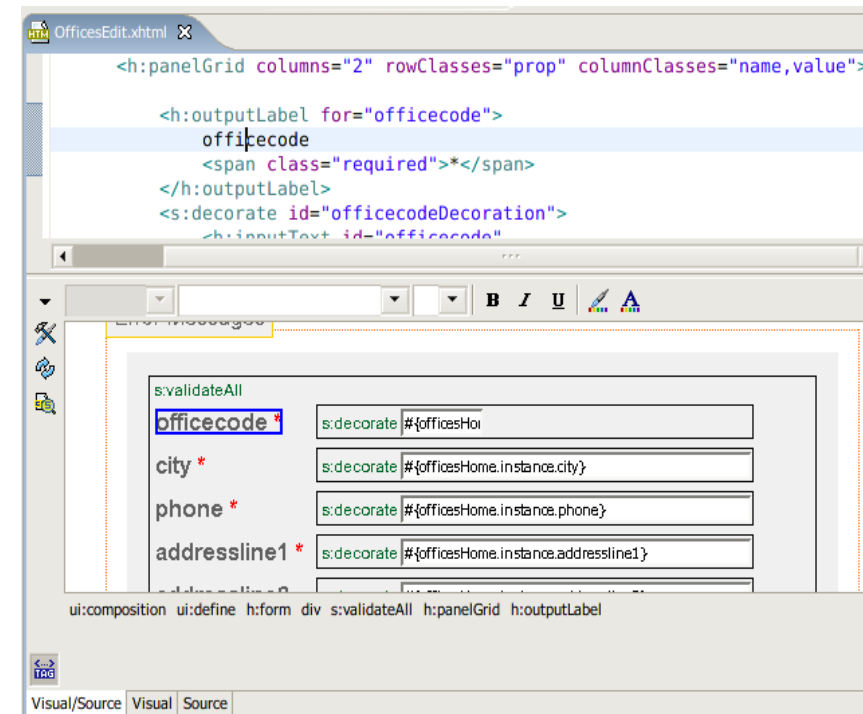
# JBoss Enterprise Middleware

## 2008 Planned Release Roadmap



# JBoss Developer Studio

- **Provides a unified, simple, and powerful programming environment for rich Web 2.0 applications**
  - Innovative tooling support for AJAX, JBoss Seam, JavaServer Faces, and rich enterprise applications
  - Graphical design and editing of business processes and rules
  - Robust Java EE tools and debugging
- **Runs on Windows & comes with RHEL for added virtualization benefits**
- **Integrated platform and tools ensures consistency throughout the development lifecycle**
- **Annual subscriptions start at \$99**



Visual/Source JSF Editor

A comprehensive, open source development environment that integrates Red Hat/JBoss platforms with rich, Eclipse-based tools

# JBoss Developer Studio

## Roadmap & Sessions

- Recently Released: Dec 2007: JBoss Developer Studio 1.0
- Planned:
  - Apr/May 2008: JBoss Developer Studio 1.1
    - Updated with JBoss EAP 4.3
  - Apr/May 2008: JBoss Developer Studio for SOA Platform
  - Aug/Sep 2008: JBoss Developer Studio 2
    - Updated with JBoss EAP 5.0
- Learn more...
  - 2/13 – 8:00pm: BOF – Seam & JBoss Developer Studio
  - 2/14 – 3:00pm: JBoss Developer Studio
  - 2/14 – 5:20pm: Developing Rich Internet Apps with JBoss RichFaces
  - 2/15 – 10:30am: JBoss Developer Studio In Action
  - Visit JBoss Booth to see JBoss Developer Studio demo

# JBoss Enterprise Application Platform

## JBoss Enterprise Application Platform

**JBoss Seam**

**JBoss Hibernate**

**JBoss Application Server**

Java EE, Apache Tomcat, Clustering, Cache

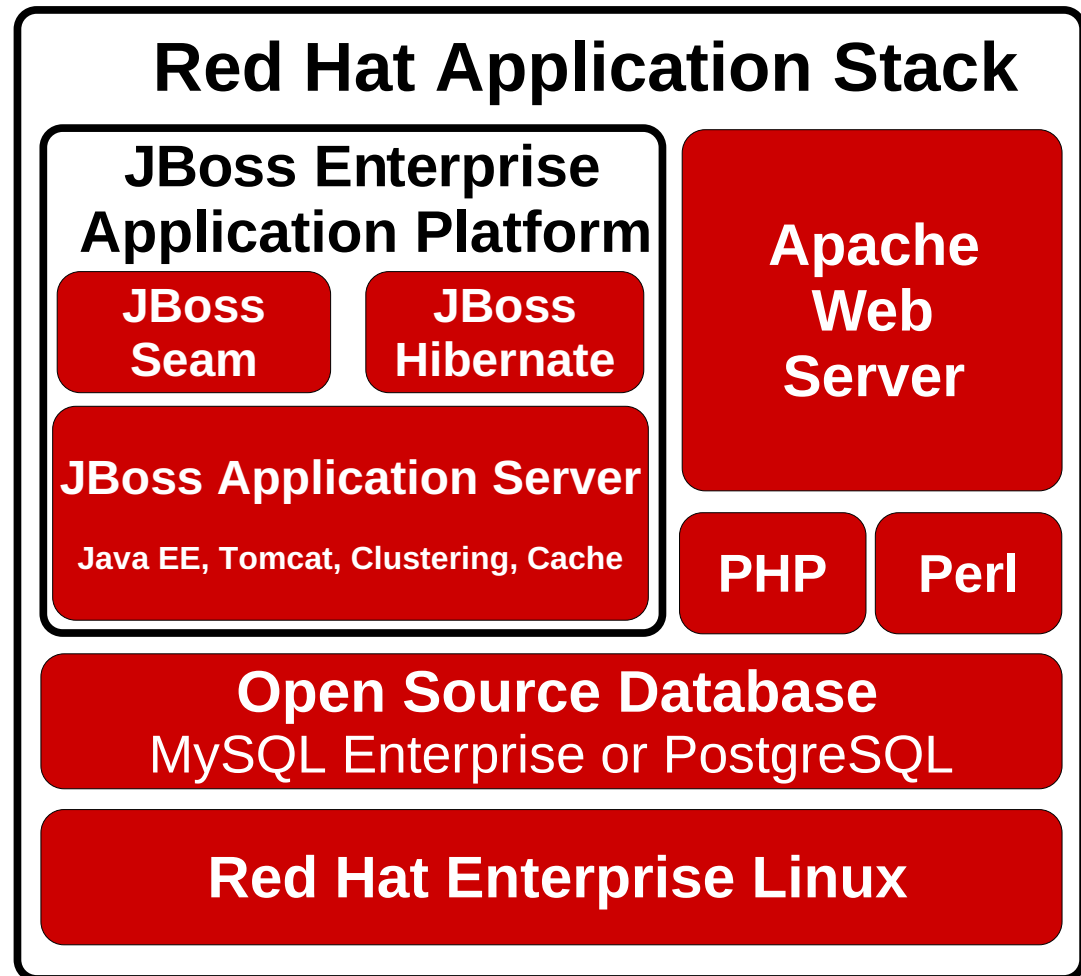
Red Hat Enterprise Linux  
Windows, Unix, Other Linux

- Integrates industry leading middleware for application presentation, services hosting, and data persistence
- Single enterprise distribution includes
  - **JBoss Application Server**: the most widely used Java application server on the market; certified JEE platform that includes Tomcat, Cache, Messaging, Clustering
  - **Hibernate**: the leading technology for object/relational mapping (ORM) and persistence
  - **Seam**: powerful application framework that simplifies building next generation Web 2.0 applications
- **Multi-platform: any hardware, supports leading Operating Systems with a compliant JVM**
- **Certified Java Application Server Platform, available through RHN and/or JBoss ON**
- **Simple, Flexible, & Scalable: customizable footprint, simple installation**

Includes everything you need to run standards-based web and rich enterprise Java applications and host services

# Red Hat Application Stack

- The best of open source available under one subscription, all through the Red Hat Network
- Use for standards-based web applications
  - Full Java applications (Enterprise Java Beans)
  - JSP/Servlet Applications (Tomcat)
  - LAMP: PHP or Perl scripted applications
  - Dynamic, database-driven web applications using standard or object oriented SQL queries
- Service levels for all types of applications, from departmental to mission critical



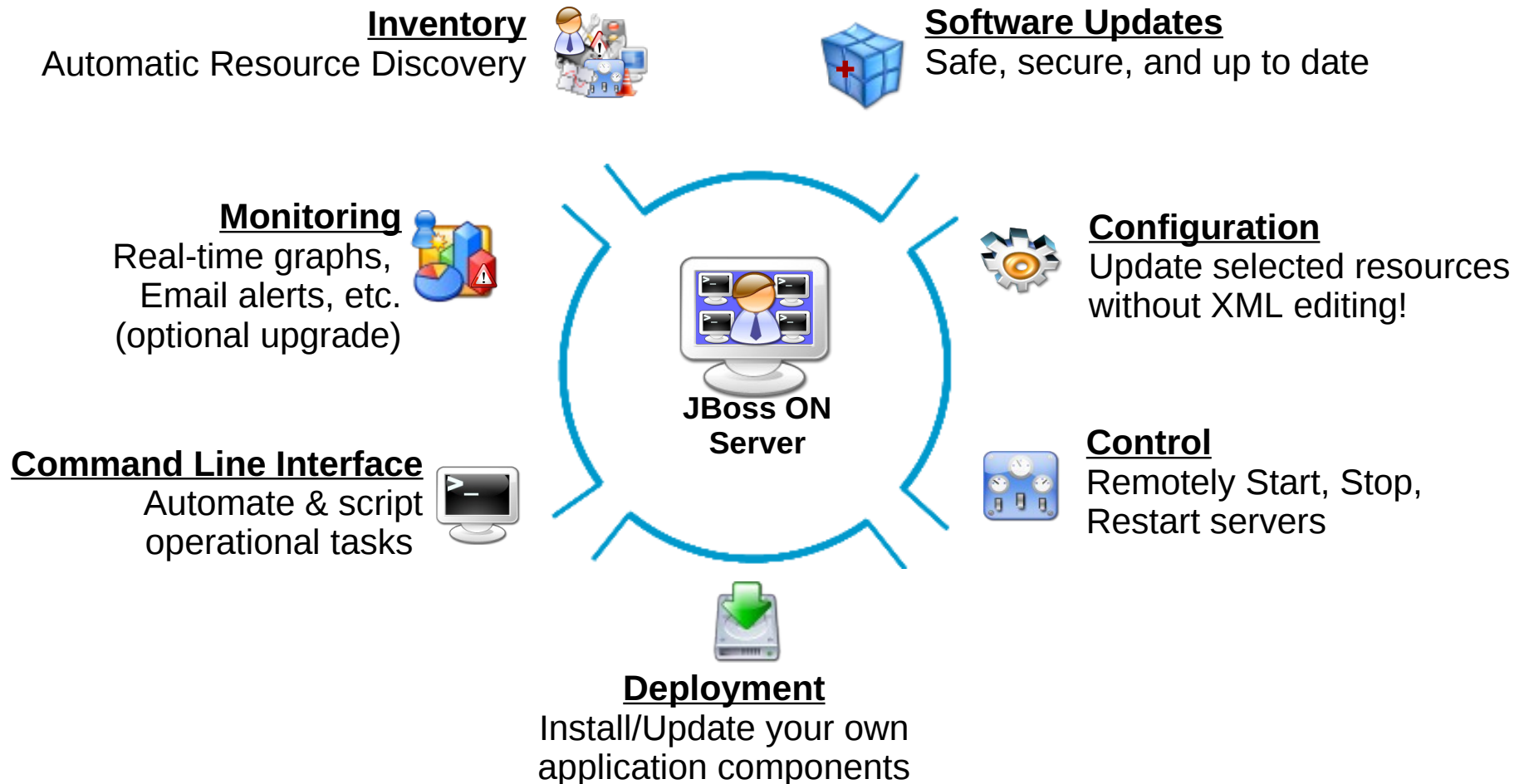
# JBoss Enterprise Application Platform

## Roadmap & Sessions

- Recently Released:
  - Jul 2007: JBoss Enterprise Application Platform 4.2
  - Jan 2008: JBoss Enterprise Application Platform 4.3
- Planned:
  - Jul/Aug 2008: JBoss Enterprise Application Platform 5.0
  - Nov/Dec 2008: JBoss Enterprise Application Platform 5.1
- Learn more...
  - 2/13 – 2:00pm: Big Lots - SEAM, AS, EJB3, Hibernate, RichFaces, etc.
  - 2/13 – 3:00pm: JBoss Application Platform Overview
  - 2/13 – 8:00pm: BOF – JBoss AS 5 & Microcontainer
  - 2/14 – 9:00am: Intro to JBoss AS 5
  - 2/14 – 10:00am: Performance Tuning JBoss Application Platform
  - Other sessions covering Case Studies, JBoss Seam, etc.

# JBoss Operations Network

Simplifying Middleware Management for IT Administrators



# JBoss Operations Network

## Roadmap & Sessions

- Planned
  - April 2008: JBoss ON 2.0
  
- Learn more...
  - 2/13 – 3:00pm: Intro to JBoss ON 2.0
  - 2/13 – 3:00pm: RHQ Project: An overview of Technology, Strategy, and Direction
  - 2/15 – 9:00am: JBoss Operations Network In Action

# JBoss Enterprise Portal Platform

- **Includes everything you need to host and serve a portal's Web interface, publish and manage its content, and customize its experience.**
  - Single distribution that integrates JBoss Portal, JBoss Application Server (including Tomcat, Cache, Messaging), Hibernate, and Clustering
  - Multi-platform (e.g. RHEL, SUSE, Windows, Solaris); platform Portability
  - Any hardware, any OS with compliant JVM
- **Certified Platform for Portal-based Applications**
- **Simple, Flexible, & Scalable**
  - Light footprint, simple installation
  - Scalable clustering to support high transaction volumes

## JBoss Enterprise Portal Platform

**JBoss Portal**

**JBoss Enterprise Application Platform**

Red Hat Enterprise Linux  
Windows, Unix, Other Linux

# JBoss Enterprise Portal Platform

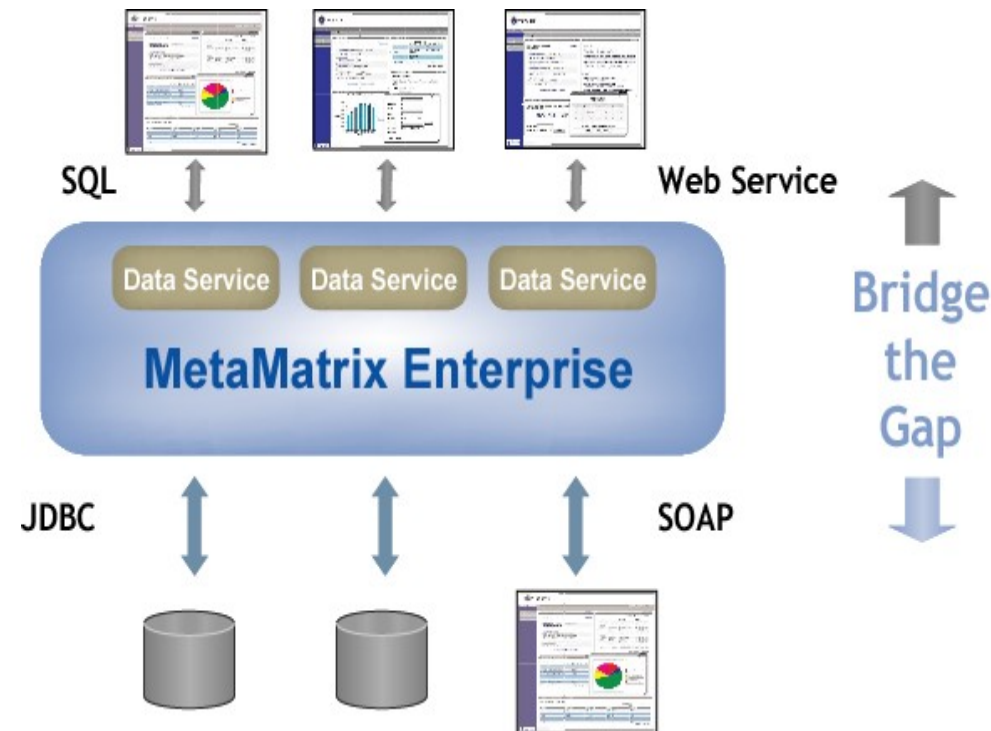
## Roadmap & Sessions

- Recently Released
  - Oct 2007: JBoss Enterprise Portal Platform 2.6.2
  - Dec 2007: JBoss Enterprise Portal Platform 2.6.3
  
- Planned
  - Jun 2008: JBoss Enterprise Portal Platform 2.8
  - Dec 2008: JBoss Enterprise Portal Platform 3
  
- Learn more...
  - 2/14 – 9:00am: Intro to JBoss Portal
  - 2/15 – 9:00am: What's New in the Portlet 2.0 Spec
  - 2/15 – 11:00am: JBoss Portal How-To Guide

# MetaMatrix Enterprise Data Services Platform

## What Does It Do?

- **Standards-based read/write access to distributed, heterogeneous enterprise data stores. Service-enable data to meet SOA demands.**
- Speeds application development by simplifying access to distributed data
- Transforms data structure and semantics
  - Vocabulary difference
  - Schema compliance
- Consolidates data into a “single view” without the need to move data
- Centralized access control, auditing through robust security infrastructure
- Enterprise-proven – flexible, scalable, performant

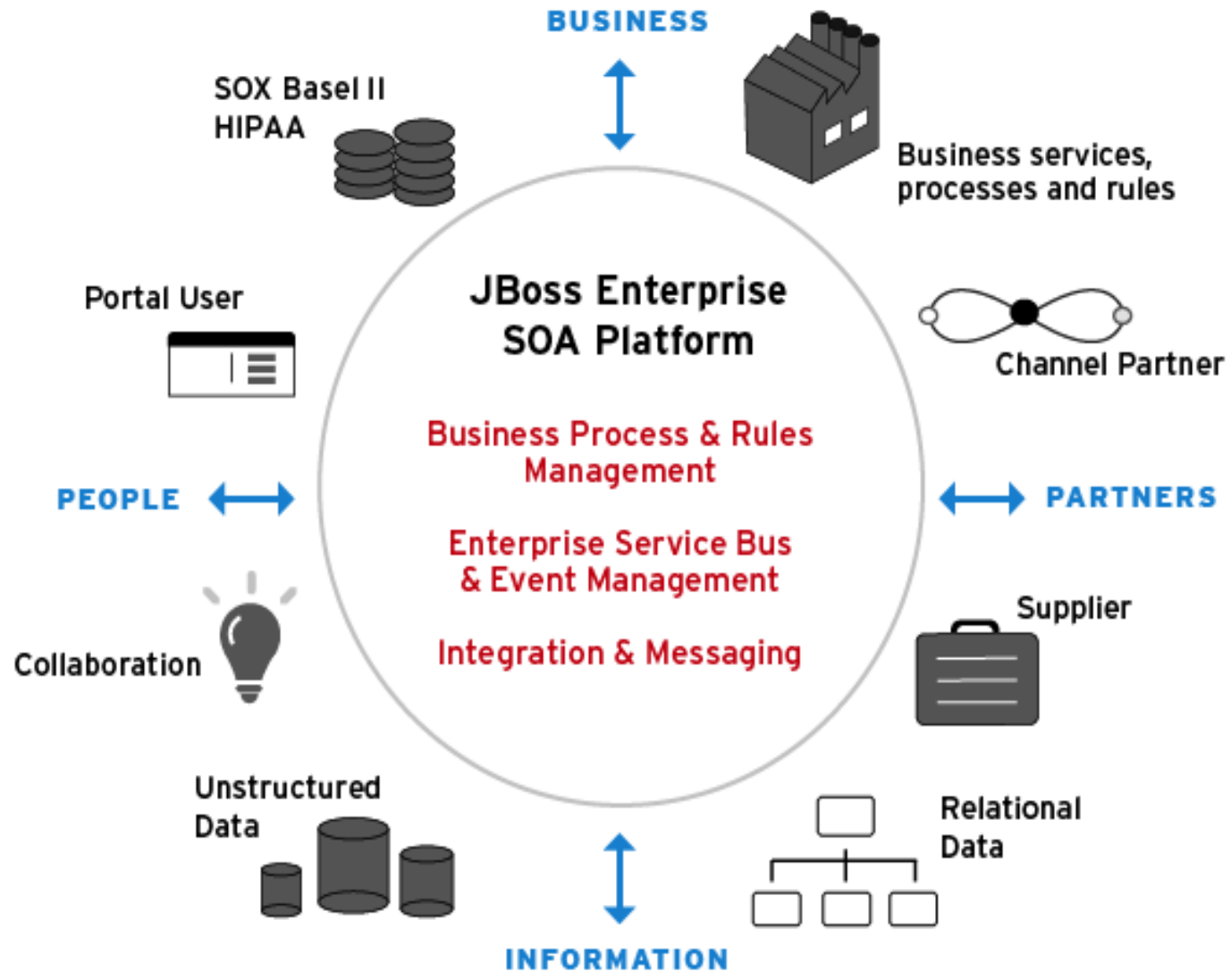


# MetaMatrix Data Services Platform

## Roadmap & Sessions

- Recently Released
  - Jan 2008: MetaMatrix EDSP 5.5.1
  
- Planned
  - Aug 2008: MetaMatrix EDSP 5.5.3
  - Dec 2008: JBoss Enterprise Data Services Platform 5.6 (open source)
  
- Learn more...
  - 2/14 – 3:00pm: Meeting the SOA Data Challenge: Connecting Data Sources to your Enterprise Service Bus
  - Visit JBoss Booth to see MetaMatrix demo

# Value Chain Integration Challenge



# JBoss Enterprise SOA Platform

- **Enables Business Process Automation by integrating and orchestrating application components and services running on JBoss Enterprise Middleware and/or any other standards-based AS**
  - Single distribution that integrates JBoss ESB, jBPM, Rules, JBoss Enterprise Application Platform
  - Combines integration, SOA, BPM, and EDA technologies to automate business processes to improve business productivity
- **Certified Platform for Service Integration, Orchestration and Business Process Automation**
- **Simple, Flexible, & Scalable**
  - Light footprint, simple installation
  - Scalable clustering to support high transaction volumes
  - Customizable footprint

## JBoss Enterprise SOA Platform

**JBoss jBPM**

**JBoss Rules**

**JBoss ESB**

Transformation, Routing, Registry

**JBoss Enterprise  
Application Platform**

Red Hat Enterprise Linux  
Windows, Unix, Other Linux

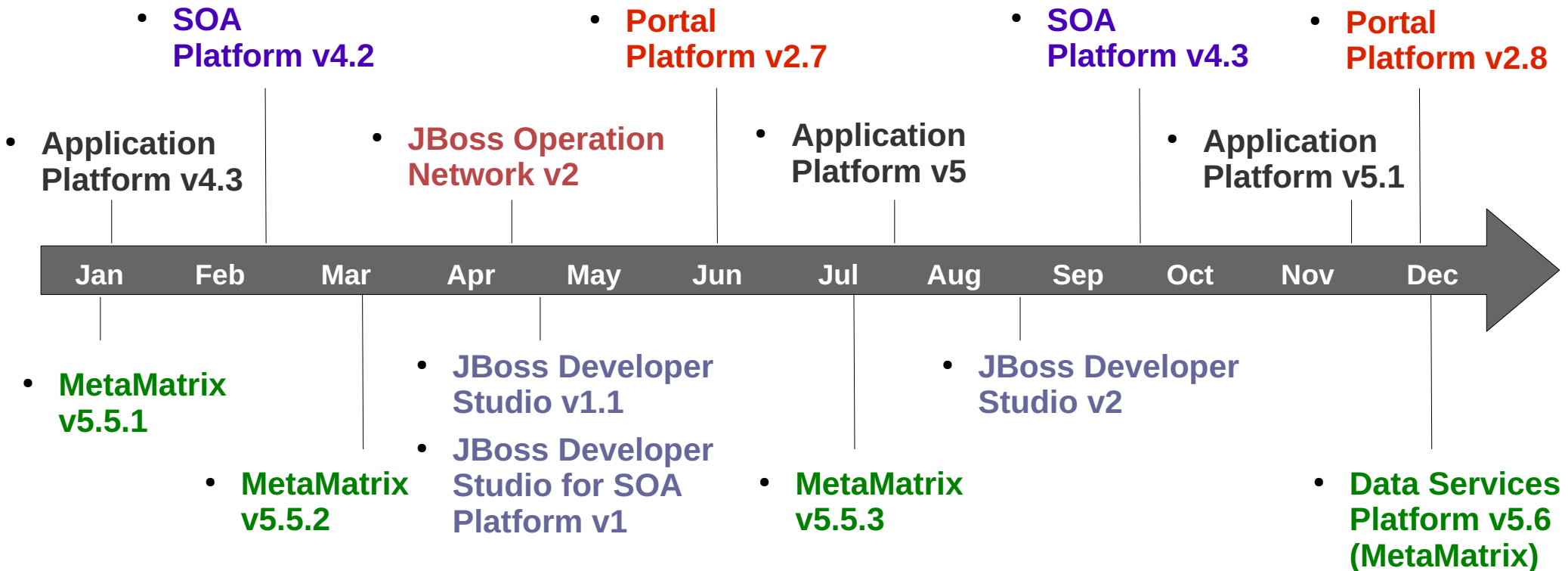
# JBoss Enterprise SOA Platform

## Roadmap & Sessions

- To Be Released:
  - JBoss Enterprise SOA Platform v4.2 (Feb 2007)
  
- Learn more...
  - 2/13 – 3:00pm: ESB Intro
  - 2/13 – 8:00pm: BOF – SOA
  - 2/14 – 9:00am: SOA Platform Introduction
  - 2/15 – 11:00am: ESB/SOA Platform Futures
  - 2/15 – 1:40pm: JBoss ESB In Action
  - Visit JBoss Booth to see SOA Platform demo
  - Other sessions covering Case Studies, Practical SOA, etc.

# JBoss Enterprise Middleware

## 2008 Planned Release Roadmap



# Next Steps

## Creating New Applications?

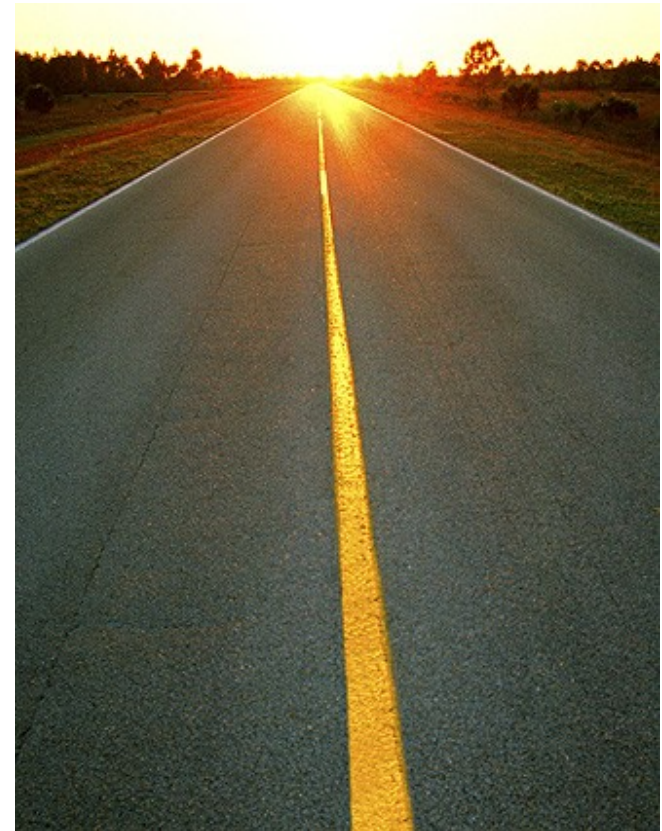
- JBoss Enterprise Platforms & Frameworks  
<http://www.jboss.com/products>
- Red Hat Developer Subscriptions  
<http://www.redhat.com/developers/subscriptions.html>
- Using JBoss Technologies & Want Subscription  
<https://www.redhat.com/apps/store/jboss/>

## Migrating Existing Applications?

- Migration Services  
<http://www.jboss.com/services/migration>

## General Questions?

<http://www.redhat.com/contact>



# Questions?



Aaron Darcy  
Director, Product Line Management  
JBoss, a division of Red Hat  
e: [adarcy@redhat.com](mailto:adarcy@redhat.com)  
o: +1 919 754 4006  
m: +1 919 270 8609