



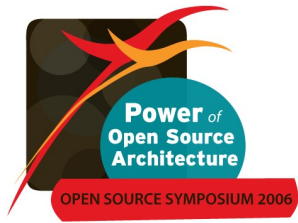
# **Lowering TCO with JBoss Enterprise Middleware**

**The Open Source Platform for SOA**

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**Manager, Partner Development  
Red Hat**



# Agenda

- JBoss & Red Hat
- Why SOA is not just a Fad
- JEMS Overview
  - The Open Source Platform for SOA
- JBoss Business Model Overview
- JBoss Subscription
  - Technical Support
  - JBoss Operations Network
  - Certified Software
  - Business Value Comparison
- JBoss Consulting & Training

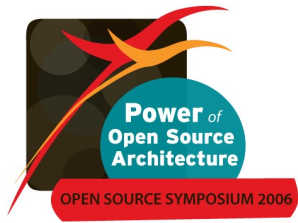




# Red Hat Acquisition



- Open source leaders Red Hat and JBoss join to drive down the cost of developing and deploying web-enabled applications
- The combined company will provide enterprise customers with the low cost on-ramp to Service Oriented Architectures (SOA)
  - JBoss is the leader in open source Middleware for SOA
  - Red Hat and JBoss will provide open source solutions from application development through deployment



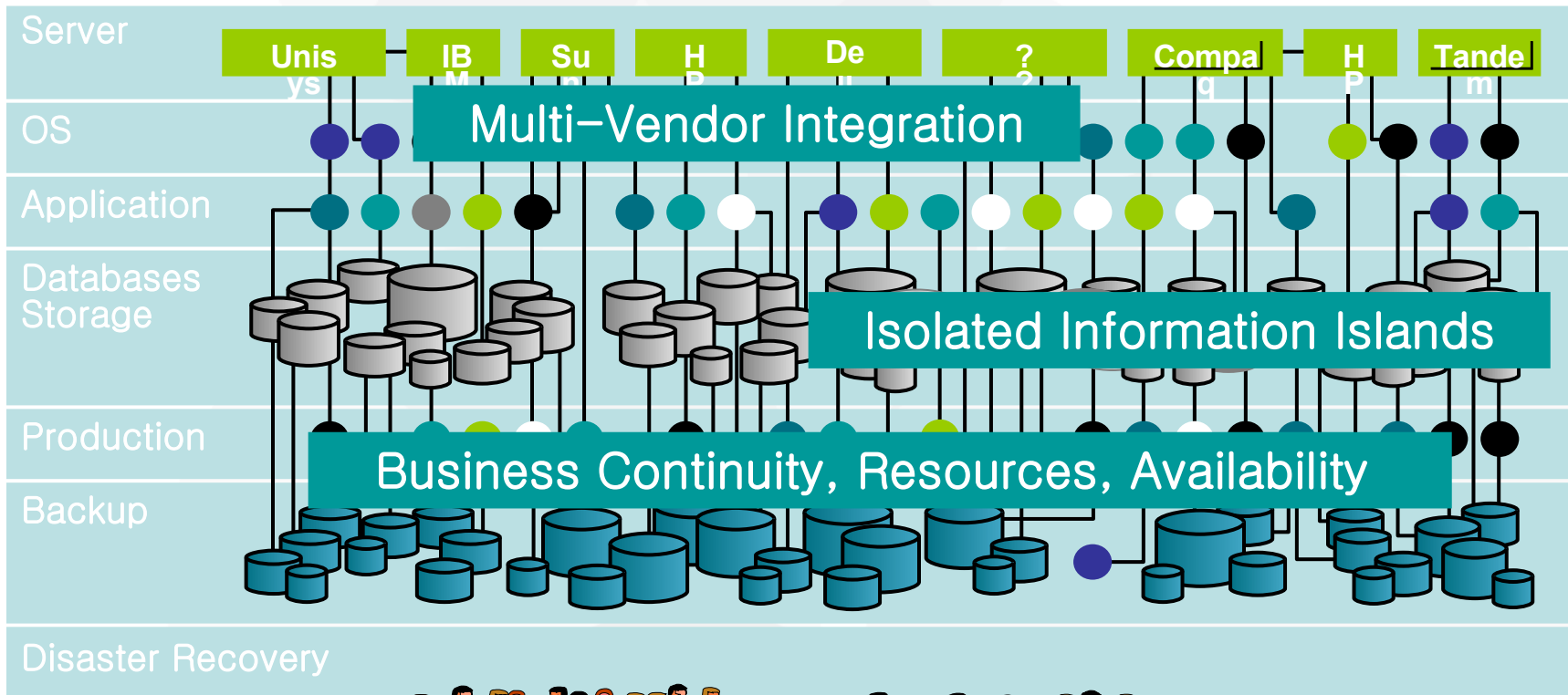
# Red Hat Acquisition



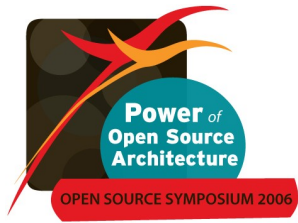
- JBoss will continue to provide and support software on all key Operating System platforms:
  - Red Hat Enterprise Linux
  - SuSe Linux
  - Sun Solaris
  - HP-UX
  - Microsoft Windows
  - AIX
  - Etc.

# Problem: Controlling the Costly Infrastructure Mess

## Growing Complexity



Escalating Cost of Infrastructure and Shortage of Skilled People

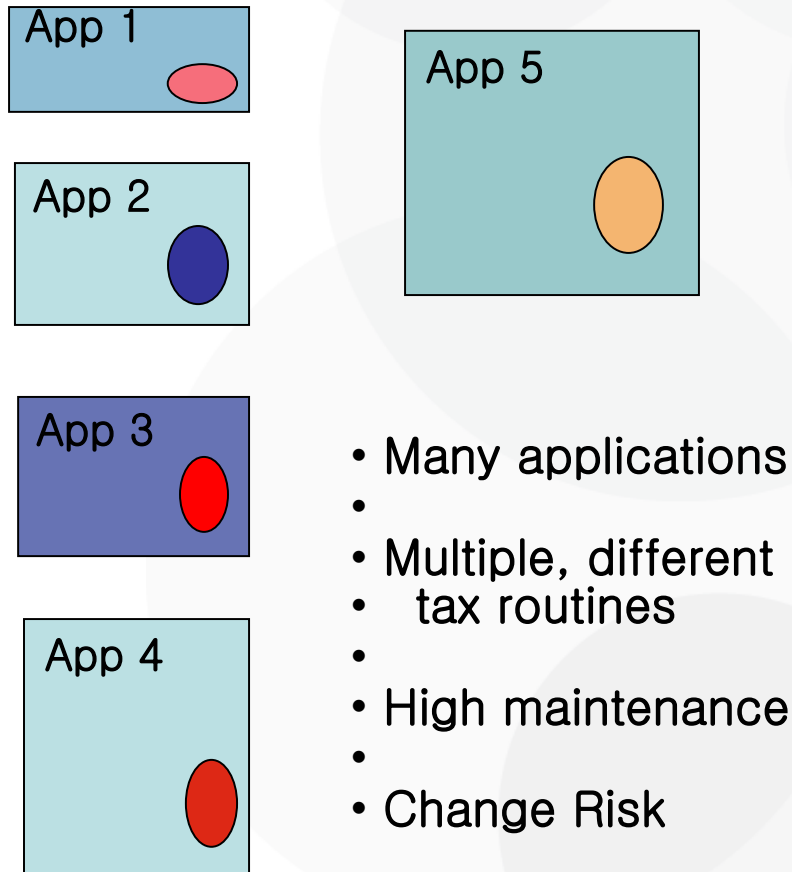


# What is SOA?

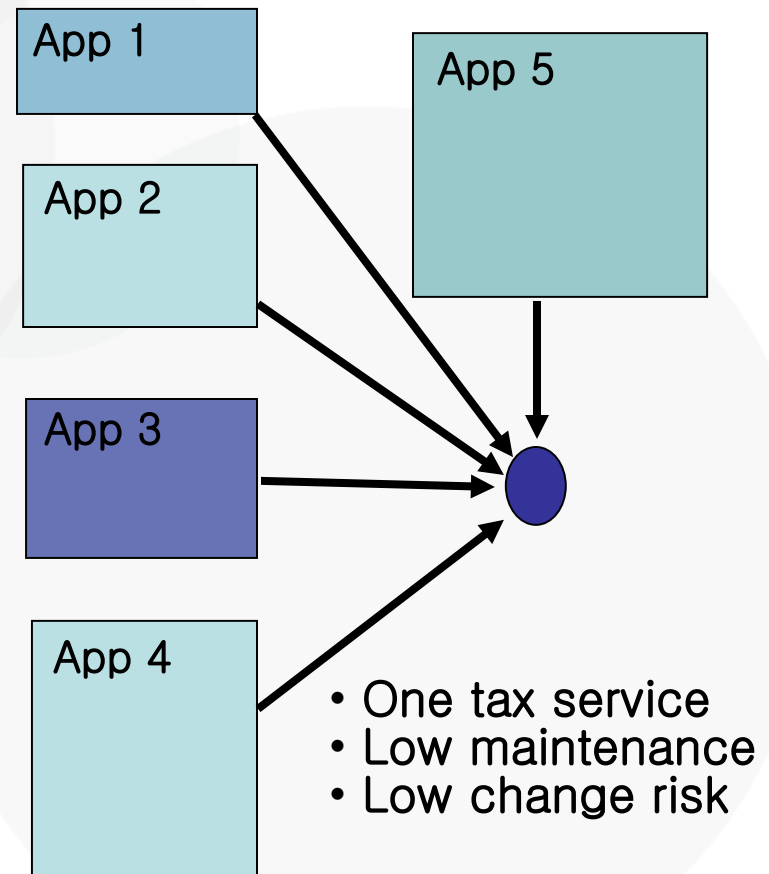
- Service Oriented Architecture (SOA) is an approach for building distributed systems that deliver application functionality as loosely-coupled services
- SOA:
  - Provides standard way to represent and interact with application functionality
  - Leverages open standards
  - Enables reuse of services
  - Creates new applications from existing components
  - Integrates applications outside the enterprise
  - Focuses on application assembly
- Services are Reusable, Discoverable, Autonomous, Stateless, Loosely Coupled, and share a Formal Contract that abstracts underlying logic

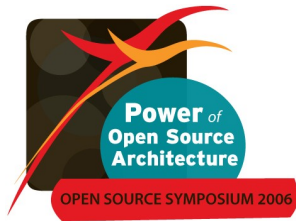
# SOA in Action – Tax Calculation

## Traditional Architecture



## Service Oriented Architecture

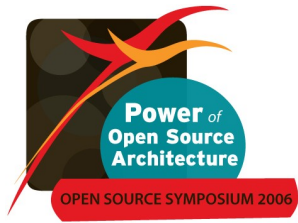




# Customer SOA Drivers

- IT Complexity and Rising Costs
  - High cost associated with maintenance of complex IT infrastructures
  - Duplication of IT expenses and efforts: need reusable components
- Lack of Agility
  - IT infrastructure impedes responsiveness and competitive advantage
  - High risk and high cost to change
- Improve Business Performance
  - Customer satisfaction
  - Competitive differentiation
  - Value chain execution (e.g. upsell)





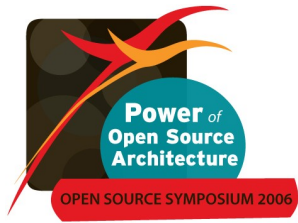
# Software of the Future

Traditional Applications	Service Oriented Architecture
Designed to last	Designed to change
Tightly coupled	Loosely coupled, agile and adaptive
Integrated silos	Composed of Services
Code-oriented	Process-oriented
Long development cycle	Interactive and iterative development
Cost-centered	Business-centered
Middleware makes it work	Architecture makes it work
Favors homogeneous technology	Favors heterogeneous technology



# The Problem with Proprietary Platforms

- High cost of entry
  - Harder to prove initial ROI and gain executive support
  - Often are forced to purchase middleware infrastructure in addition to SOA tools
- High cost of exit
  - Monolithic “super-platforms” contradict nature of SOA (vendor lock-in)
  - Drive brand strategies with lock-in and control points
  - Not focused on best-of-breed nor customer satisfaction
- Friction-filled Partner Networks
  - SOA platform vendors are also ISV's, conflict of interest translates to weaker integration



# JBoss SOA Vision

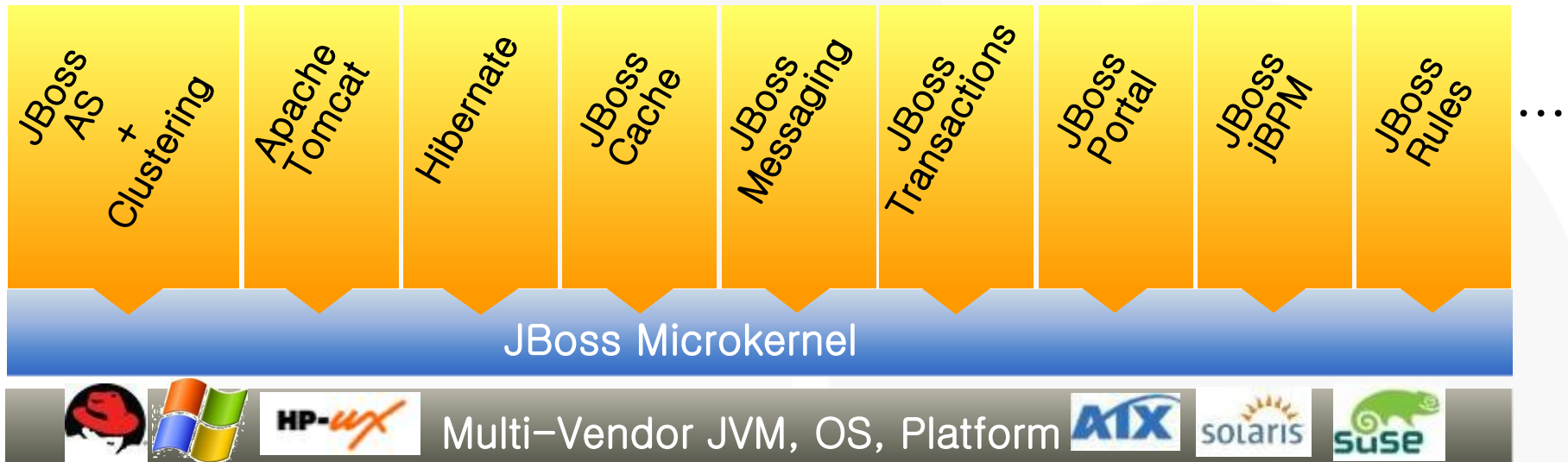
- JEMS will be the leading mass market, *interoperable* Open Source Platform for SOA
- Simply the Better Choice
  - *Software Model*: Professional Open Source enables a greater degree of openness, flexibility and ease of consumption
  - *Partner Ecosystem*: attractive and safe for ISV's, SI's, and end-users
  - *JEMS Platform*: modular, interoperable, focused on simplicity & power



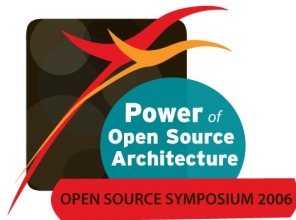
# JBoss Enterprise Middleware Suite

## The Open-Source Platform for SOA

Applications, Web Services, and Business Processes



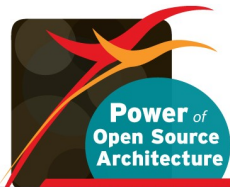
- Suite of market-leading products for enhancing business agility
- Modular Suite enables standardizing on JEMS at your own pace
- Simplicity decreases time to develop and deploy new business solutions



# How JBoss Helps Customers

- Reduce Enterprise Middleware costs by 50–80%
  - Zero (\$0) license fees
  - Refocus savings on differentiating your business
- Increase Control via Open Source
  - access to code reduces need for support cases
  - speeds solution time to market
- Mitigate Risk / Avoid Vendor Lock-in
  - Start new projects – no longer cost prohibitive
  - Avoid shelf-ware; Amortize costs over life of project
  - 100% Pure Java – easily swap platforms
  - Use with other middleware (e.g. Hibernate & WebSphere)
- Provide Industry Leading Technical Support
  - Unique expert support model
  - JBoss customer satisfaction consistently higher than BEA, IBM and Oracle





# JBoss Customers

Financial

Travel

Gov

Telecom

Media/  
Entertainment

Insurance

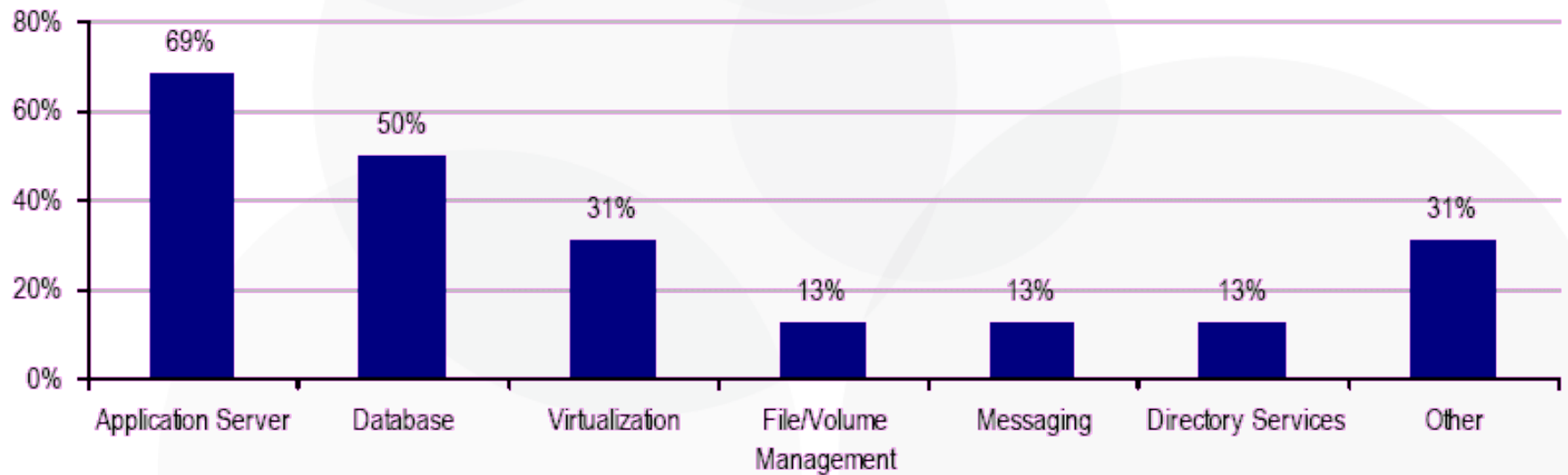


## #1 Market Share

- 37% of respondents use JBoss AS in their enterprise (BZ Research, December 2005)
- "Leader" in Gartner's Enterprise Application Server Magic Quadrant 2 years running
- Over 10 Million Downloads for all of JEMS components

# Survey of CIOs on OSS Adoption

Chart 13: Likely Open Source Adoption Beyond the Operating System Layer

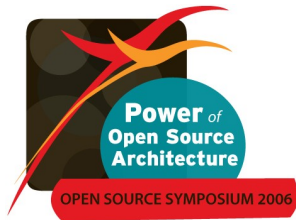


Source: UBS

- Survey of 55 CIOs in Fortune 1000 across:
  - Financial Services, Construction, Retail, Consumer, Healthcare, Energy, Manufacturing, Materials, and Transportation

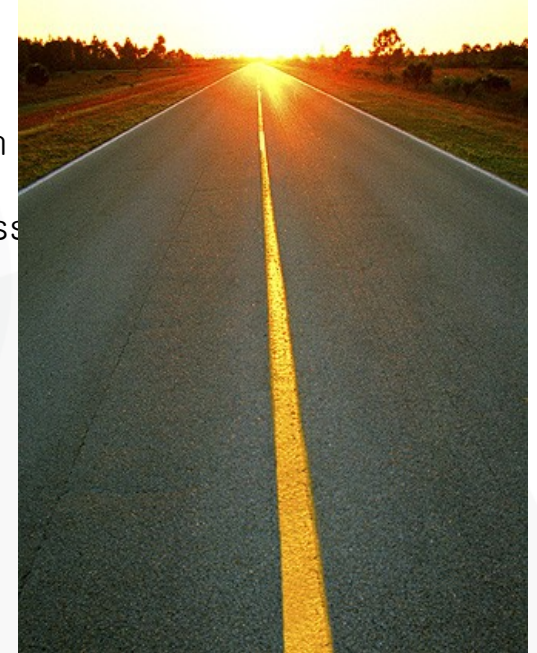
Reference: UBS CIO Pulse (Sep 6, 2005): A Quarterly Snapshot of IT Trends



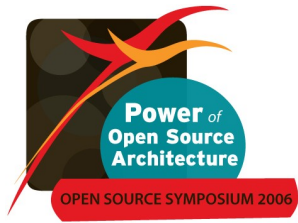


# JBoss Open Source Business Model

- Complete Transparency
  - Access to source code reduces support cases
  - See exact product development & release cycle status in real-time (<http://jira.jboss.com>)
  - Report bugs and request features and track their progress
- Employ project leaders & elite coders full-time
  - Define product roadmaps
  - Control write permissions to source code
  - Ensure patches on previous versions
- Software Evolves & Stabilizes Faster
  - 100,000+ registered developers see & critique our code
  - Valuable feedback on features, flaws, weaknesses, & security concerns
- JBoss succeeds only when you succeed
  - Don't "dump LTUs & run" with high up-front license fees and maintenance required for updates & upgrades
  - We must deliver value ABOVE AND BEYOND free software
  - We earn your business every year with outstanding subscription services







# JBoss Subscription Components

Technical Support

JBoss Operations Network

Certified Software



# The Challenge

*“Lack of support is the number one concern when it comes to using open source software in the enterprise.”*

Source: Forrester Research, Inc.



# JBoss Technical Support Advantages

- All of our Professional Support Engineers are *J2EE experts* and most are JBoss Committers
- Our Core Development Team are targeted at providing support & training services for *25%* of their time
- This allows JBoss to offer a *unique* support service capability:
  - During Development
    - Developer Assist
    - Like adding a bench of subject matter experts to your development organization
  - In Production
    - Fast, high quality response
    - Fast bug-fix and patch turnaround
  - Throughout Application Lifecycle
    - Ability to commit to rolling fixes into future versions of the product



# JBoss Technical Support

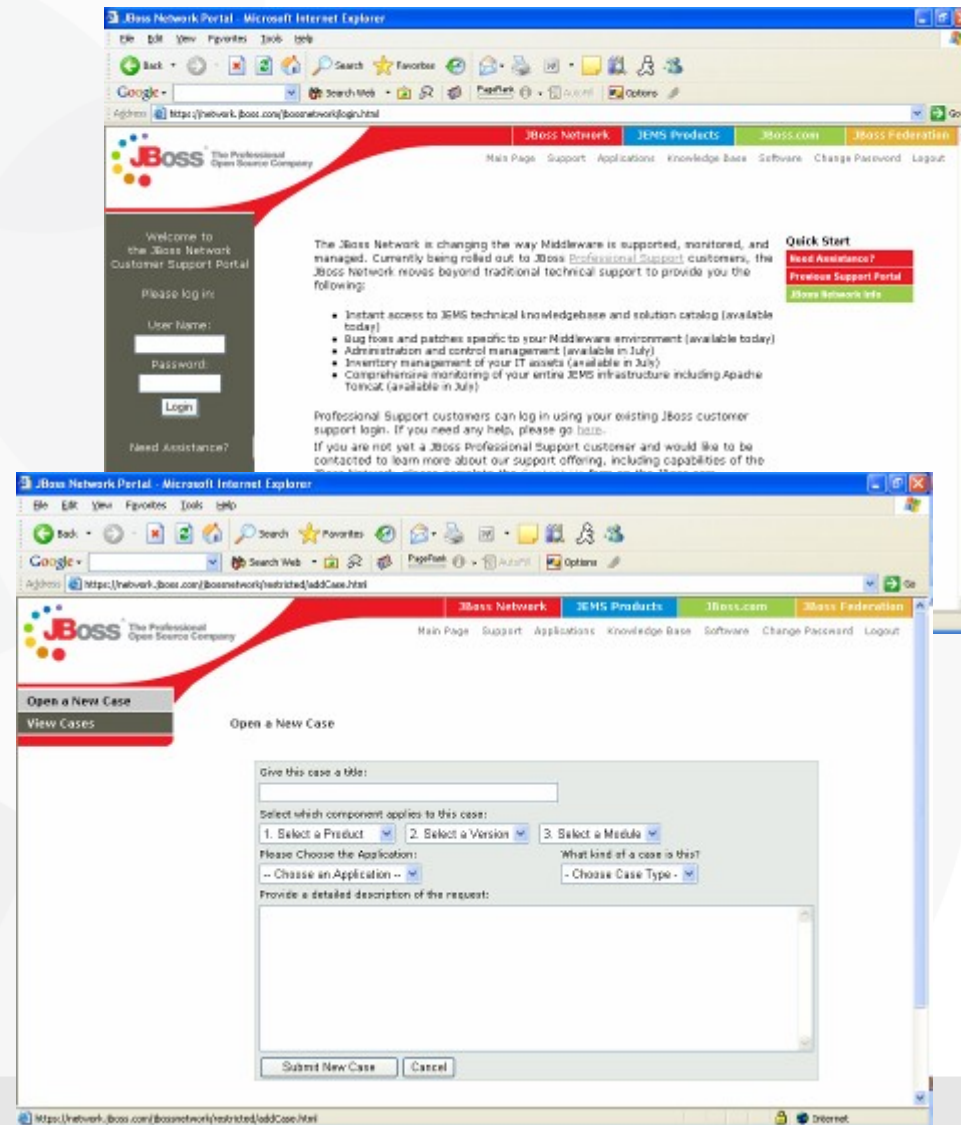
	Silver	Gold	Platinum
Support Times (customer timezone)	9am–5pm Mon–Fri	9am–5pm Mon–Fri	24 x 7 x 365
Response Times (based on Severity 1/2)	2 business days	4 business hours	2 hours

- Support provided on a global basis
  - “8 x 5” means 9am to 5pm local time
- Contact options
  - JBoss Customer Support Portal
  - 24 hour call center
  - Email

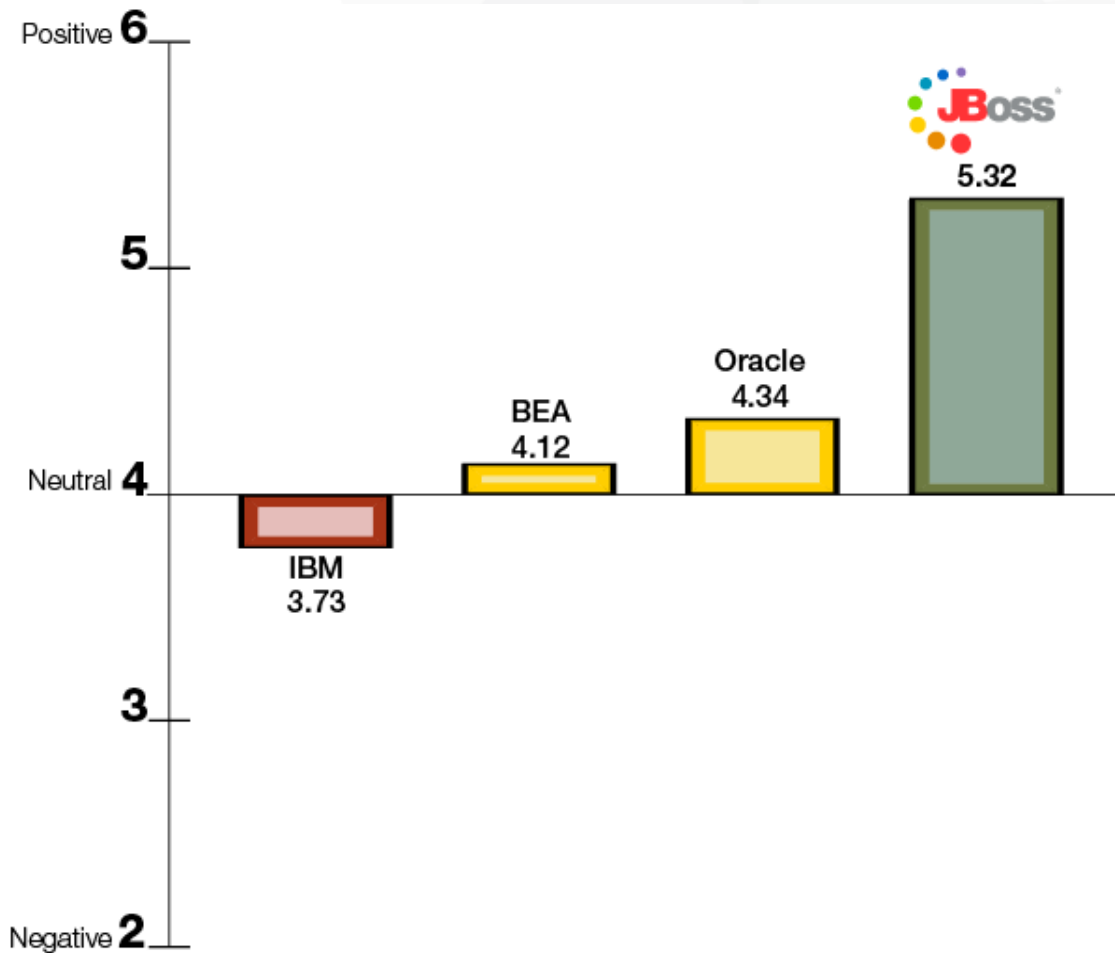


# JBoss Customer Support Portal

- Knowledge Module
  - Integrated search
  - Rated content
  - Certified solutions
  - Premium content
- Download Module
  - Latest certified JEMS software
  - Binary patches
  - Audit trail
- Registration Module
  - Registration of IT assets
  - Automated delivery of notifications
  - Knowledge subscriptions
- Case Management Module
  - Open, track, close support cases
  - Context-sensitive support recommendations



# Superior Customer Support Satisfaction

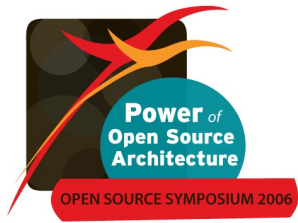


## Summary of Questions

- Understanding needs
- Meeting SLAs
- Professional service
- Knowledge transfer
- Support pricing/value
- Product knowledge
  - JBoss and other
- Multi-channel access
- Access to key staff
- Customer loyalty

Survey of existing JBoss Customers, on a scale of 1 (Completely Disagree) to 7 (Completely Agree)

See [http://www.jboss.com/pdf/customer\\_satisfaction.pdf](http://www.jboss.com/pdf/customer_satisfaction.pdf)



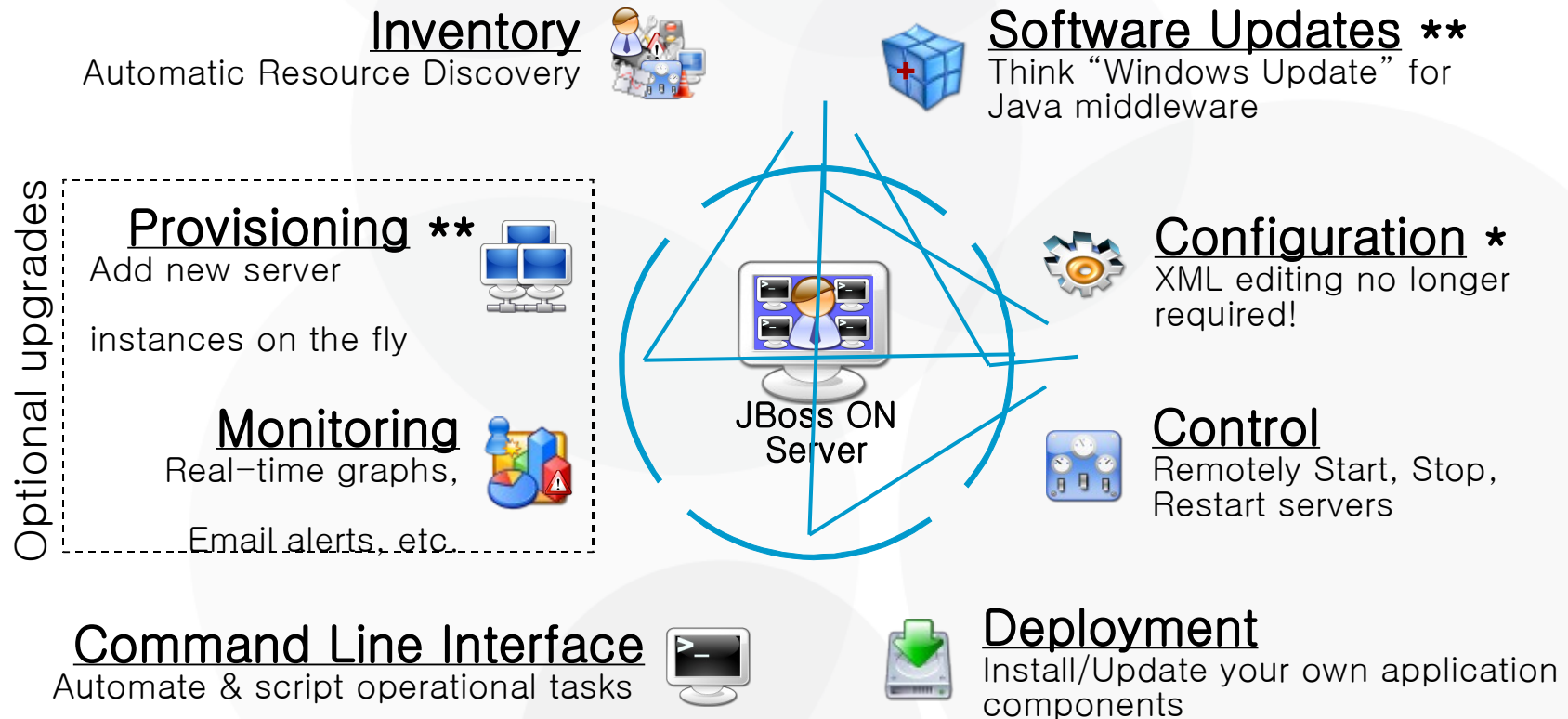
# JBoss Subscription Components

Technical Support

JBoss Operations Network

Certified Software

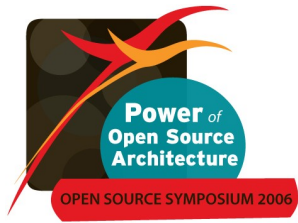
# JBoss Operations Network



\* Currently partially implemented

\*\* Available later in 2006



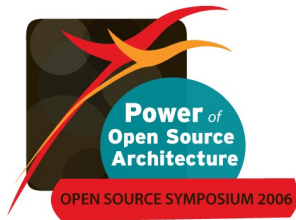


# JBoss Subscription Components

Technical Support

JBoss Operations Network

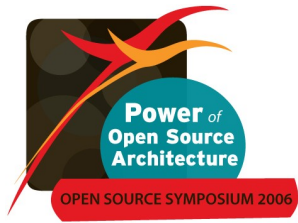
Certified Software



# Certified JEMS Software

- Certified JEMS releases
  - Download securely from JBoss.com
  - Production-ready versions only
  - Warranted to be virus-checked, etc.
  - Open Source Assurance Program
- Certified upgrades and patches
  - Binary updates immediately available to all subscribers
  - All updates are aggregated into next G.A. release
    - Updates released to OSS community as source code
- Solution Certification
  - Certification Kit
    - Compatibility testing, performance snapshot, interoperability etc...
  - Certification Service
    - Your application certified to run on JBossAS



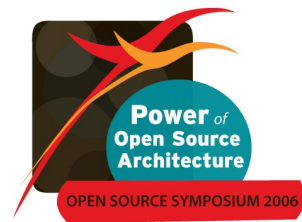


# JBoss Subscription Components

Technical Support

JBoss Operations Network

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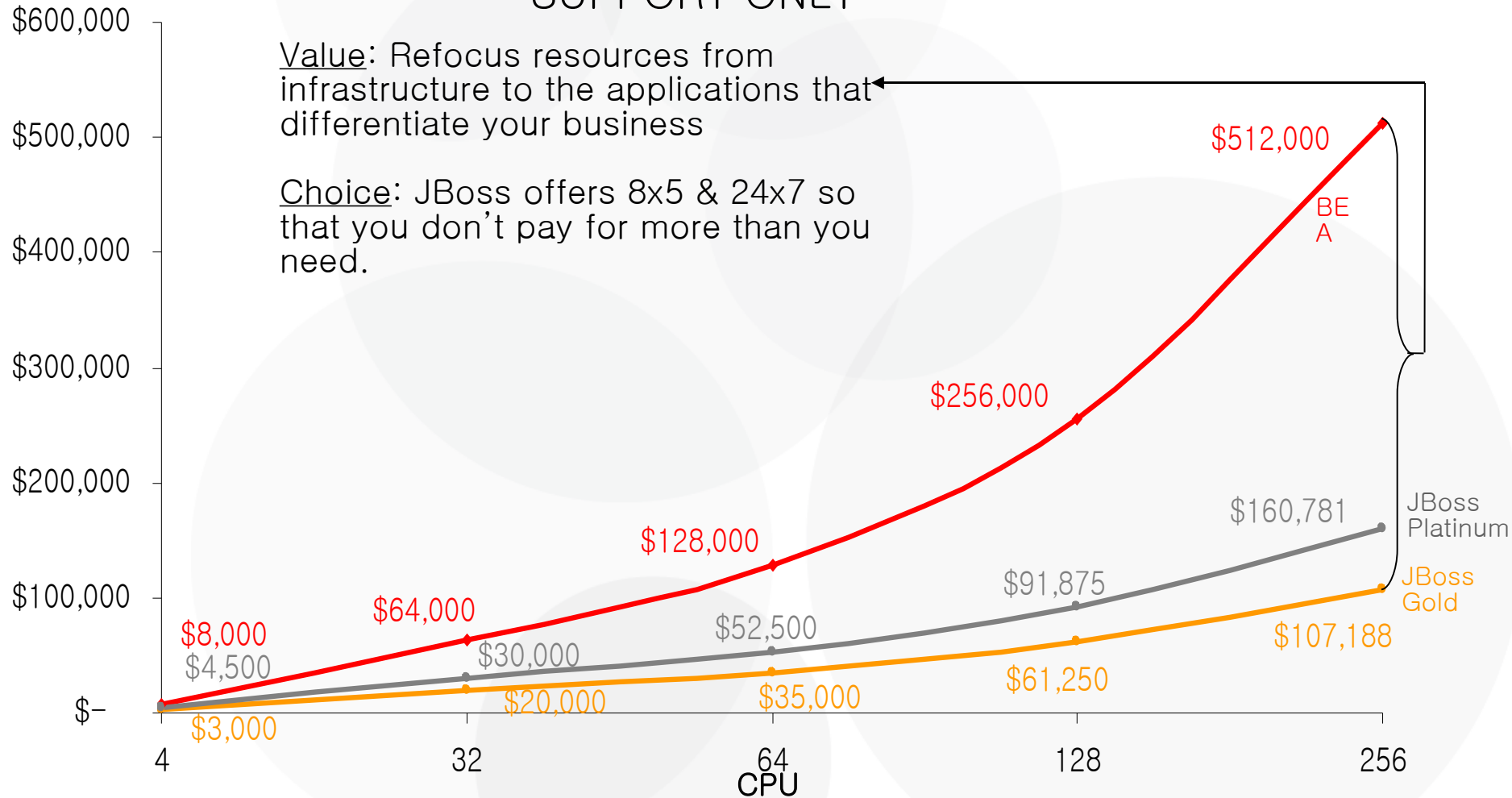


# JBoss AS vs. WebLogic Server

## SUPPORT ONLY

Value: Refocus resources from infrastructure to the applications that differentiate your business

Choice: JBoss offers 8x5 & 24x7 so that you don't pay for more than you need.



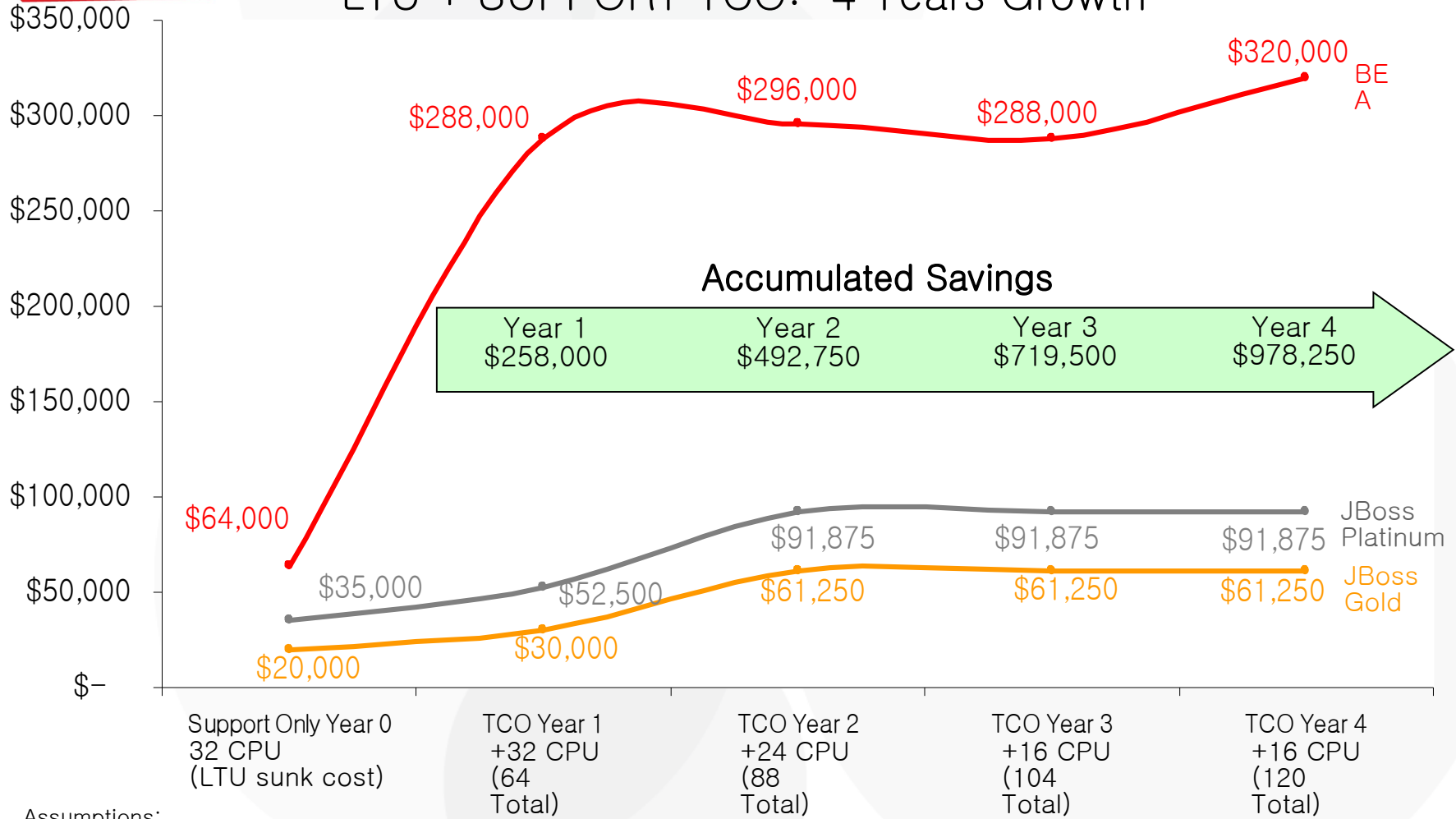
### Assumptions:

- BEA WebLogic Server LTU price = \$10,000/CPU
- Annual support & maintenance = 20% of list LTU price
- 24x7/ 1 hour SLA

- JBoss AS - Gold = 8x5/ 4 hour SLA
- JBoss AS - Platinum = 24x7/ 2 hour SLA

# JBoss AS vs. WebLogic Server

LTU + SUPPORT TCO: 4 Years Growth



## Assumptions:

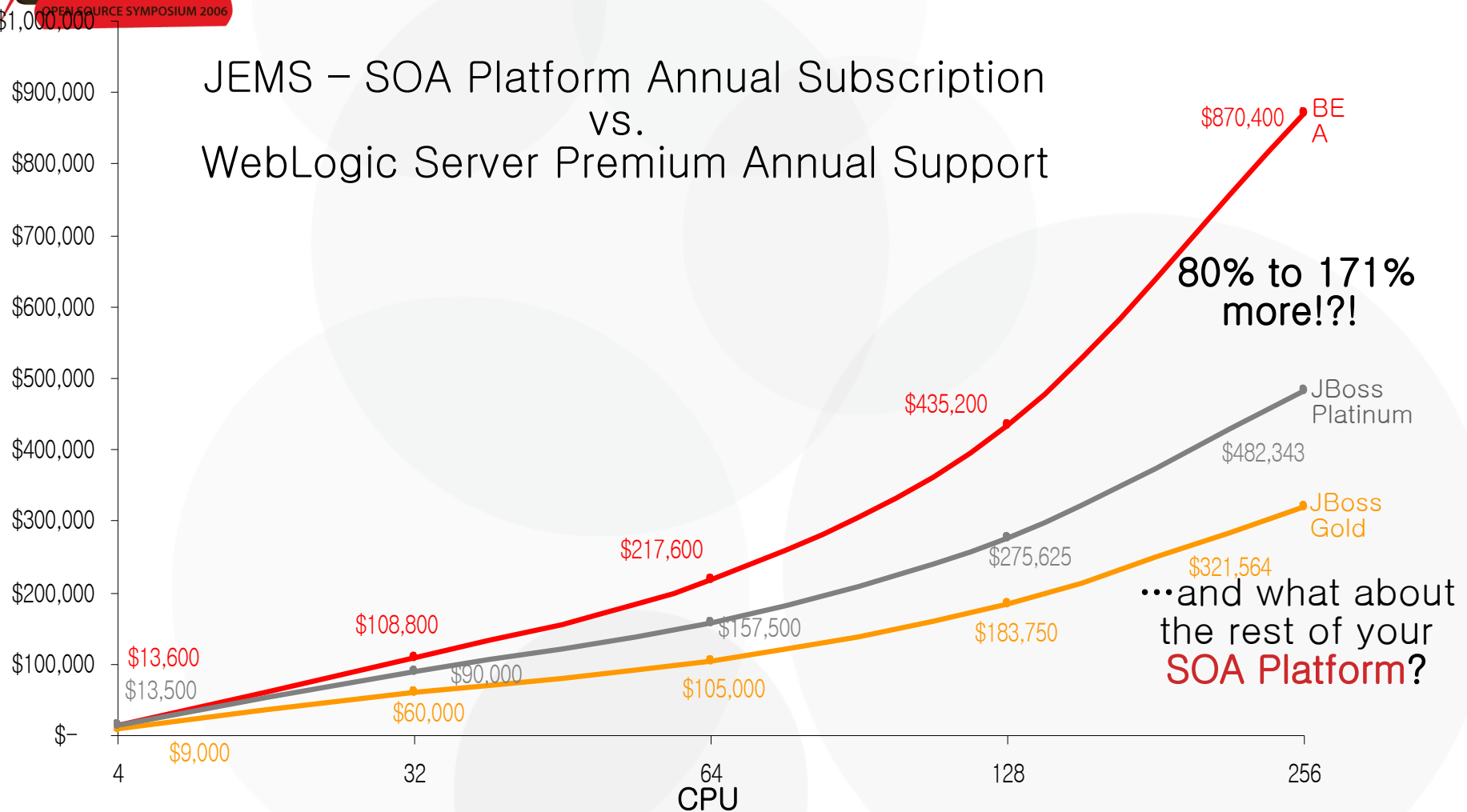
- BEA WebLogic Server LTU price = \$10,000/CPU
- 50% discount on LTU price
- Annual support & maintenance = 20% of list LTU price
- 24x7/ 1 hour SLA

- JBoss AS – Gold = 8x5/ 4 hour SLA
- JBoss AS – Platinum = 24x7/ 2 hour SLA



# Superior Value

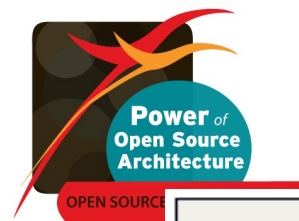
JEMS – SOA Platform Annual Subscription  
VS.  
WebLogic Server Premium Annual Support



#### Assumptions:

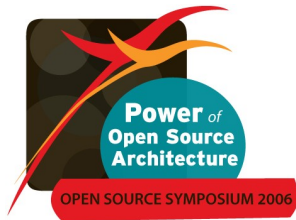
- BEA WebLogic Server Premium LTU price = \$10,000/CPU
- Annual support & maintenance = 20% of list LTU price
- 24x7/ 1 hour SLA

- JEMS – Gold = 8x5/ 4 hour SLA
- JEMS – Platinum = 24x7/ 2 hour SLA



# JBoss Consulting Services

JBoss Consulting Service	Duration	Pricing Model
<b>Proof of Concept</b>		
Proof of Concept	Varies	Custom Quote
<b>Migration</b>		
Assessment	4-5 days	Fixed
Education/Enablement	4-5 days	Fixed
Implementation	Varies	Custom Quote
<b>Rapid Solution</b>		
Application Server Bundle	20 days	Fixed
Application Server Certification	3-5 days	Fixed
Hibernate/ EJB 3.0	3-5 days	Fixed
Performance Tuning & Optimization	3-5 days	Fixed
Security Lockdown	3-5 days	Fixed
Clustering and High Availability	3-5 days	Fixed
Java EE Architecture & Design	3-5 days	Fixed
<b>Enterprise Architect</b>		
Part-time	2 days/mo	Fixed
Dedicated	Full-time	Fixed



# JBoss Training Services

- Public Training
  - Training courses held at major cities around the world
- Professional Certification
  - Requires completion of training courses + certification exam
  - Ensures consistent and quality service delivery
- Onsite training classes available
- JCredits – pre-paid with built-in discounts
  - Convenient and flexible way to manage your training and consulting requirements
  - Discounts available for JBoss Subscription customers
- Available from Red Hat and Certified Partners





# Why JBoss for SOA?



## Better Software

- Peer Review
- Accelerated Software Evolution
- Extended QA through OSS Community



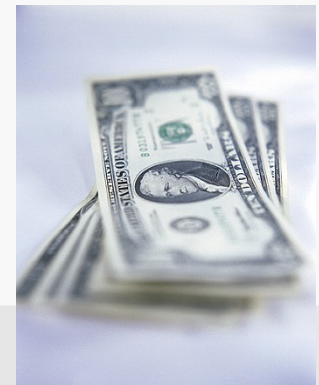
## Better Service

- Incentives
- Transparency
- Experts Up-Front



## • Better Value

- Zero License Fees
- Freedom from Vendor Lock-in
- Elimination of Linear Costs



# Questions?





Questions? Harish Pillay, [hpillay@redhat.com](mailto:hpillay@redhat.com)