



SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT

**LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.**

www.theredhatsummit.com

A WebSphere Administrator's Guide to Managing JBoss Enterprise Middleware

Noelle Jakusz
Sr. Middleware Solutions Architect
JBoss, by Red Hat
June 2010

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Agenda

- JBoss vs. WebSphere topologies
- Class loading
- Distributed deployment management
- Clustering service management and deployment
- Administration Consoles and Scripting
- JBoss Developer Studio and Rational Application Developer
- How to deploy application resources to JBoss Enterprise Application Platform

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



JBoss vs. WebSphere Topologies

Understanding how JBoss views topologies

- Open Choice
 - Choice in JVM as well as topology
- Cell, Node, Server
 - How this compares to JBoss Middleware
- The DMZ
 - Do you need one?

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Understanding Class Loading

WebSphere Class loading vs JBoss Class Loading

- WebSphere Class Loading
 - 3-5 class loaders
 - Ordering of the class loading
- JBoss Class Loading
 - Understanding JBoss Class Loading Configuration
 - Class Loading and Deployers
- Many of the Problems are still the same.

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Understanding Deployment Management

Deployment Management can be handled in several ways:

- Through Admin Console
- Through JBoss ON
- Through server scripting
- Use of Ant or Maven

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Management and Deployment of Clusters

Creating a Cluster in JBoss

- Understanding the different terminology to be used.
- Having JBoss automatically create the groups
- Compatible Groups
- Mixed Groups
- Clusters Services

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Administration Consoles and Scripting

WebSphere's Admin Console

- Typical Use Cases
- Install an Application
- Create a Datasource
- JBoss Operations Network
 - Repeat above steps in JBoss ON
 - Clustering capability
 - Ease of use for developers

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



JBDS vs. RAD

JBoss Developer Studio vs. Rational Application Developer

- JBDS
 - Perspective and tools that will help developers deliver application resources faster
 - Eclipse
 - Plugins
- Rational application Developer
 - Show and describe Parallels

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Deploying Applications

Deploying Applications

- Installing EAR, WAR and JAR Resources
- Understanding class loading
- Looking at JBOSS Application Server Services
- Shared Libraries

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Creating and Managing Resources

Creating Resources

- Connecting to JDBC resources
- Using JCA
- Connection to Messaging Services

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Performance Monitoring and Tuning

- WebSphere TPV
 - Metrics
 - Statistics
 - Impact on Production
- JBoss Operations Network
 - Monitoring
 - Alerting
 - Configuration Management

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Additional Resources

- Jboss Enterprise Documentation
 - <http://www.redhat.com/docs>
- Noelle's Video Tutorials and Resources
 - <http://www.jbossgirl.com>
- Additional Video Tutorials
 - www.vimeo.com/groups/jboss

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



Summary

- JBoss vs. WebSphere topologies
- Class loading
- Distributed deployment management
- Clustering service management and deployment
- Administration Consoles and Scripting
- JBoss Developer Studio and Rational Application Developer
- How to deploy application resources to JBoss Enterprise Application Platform

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT



FOLLOW US ON TWITTER

www.twitter.com/redhatsummit

TWEET ABOUT IT

#summitjbw

READ THE BLOG

<http://summitblog.redhat.com/>

SUMMIT

JBoss
WORLD

PRESENTED BY RED HAT

