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# A WebSphere Administrator's Guide to Managing JBoss Enterprise Middleware

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# 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

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# 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?

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# 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.

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# Understanding Deployment Management

Deployment Management can be handled in several ways:

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

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# 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



# 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

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# 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

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# Deploying Applications

## Deploying Applications

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

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# Creating and Managing Resources

## Creating Resources

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

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# Performance Monitoring and Tuning

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

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# 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](http://www.vimeo.com/groups/jboss)

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