

Java Applicationserver

BRO890 Administration of JBoss™ Applicationserver

Kurzbeschreibung:

Dieses viertägige Seminar behandelt alle Themenbereiche die zur Administration und Konfiguration des zertifizierten JBoss™ Applicationserver notwendig sind. Neben der Darstellung der Server-Architektur und den Grundlagen der Administration lernen die Teilnehmer wie Java EE Applikationen administriert werden können und welche Möglichkeiten im Bereich der Security bestehen. Ein weiterer Schwerpunkt des praxisorientierten Seminars liegt auf dem einsetzen von multiplen Instanzen.

Kursinhalte:

- **Introducing Java SE and Java EE**
 - Characteristic of Enterprise Applications
 - Java™ as a Standard
 - Enterprise Java
 - Application Servers
- **JBoss™ basics**
 - Installing JBoss™
 - Configuring JBoss™ (basics)
 - Deployment and deployment configuration
 - Multiple JBoss™ instances
- **JBoss™ architecture**
 - JBoss™ architecture overview
 - JMX in a nutshell
 - MBeans: managed Beans
 - Persisting JBoss™ XMBEans
- **Administration basics**
 - JBoss™ administrative toolset:
 - The web console
 - Monitors
 - twiddle
 - JBoss™ Scheduler
 - Alternatives
- **Logging**
 - Log4J Primer
 - JBoss™ logging
 - Using LogFactor5
- **Java EE services**
 - Java naming and directory Interface (JNDI)
 - Java database connectivity (JDBC) and DataSources
 - Introducing Web Services
- **Messaging**
 - Java Messaging Service (JMS) at a glance
 - JBoss™MQ architecture
 - JBoss™MQ basic configuration: Queues and topics
 - JBoss™ advanced configuration: Connectors, durable subscribers, messages stores
- **Administering Java EE applications -> Web Container**
 - Web applications at a glance
 - Java EE and the web
 - Configuration of web applications
 - Tuning the web container
- **Administering Java EE applications -> EJB Container**
 - EJB applications at a glance
 - Configuration of Session Beans
 - Configuring Entity Beans / JPA
 - EJB: Caching an pooling

- EJB: Optimizing CMP
- **JBoss™SX Security**
 - Java EE Security overview
 - Securing web applications
 - JAAS and JBoss' Login Modules
 - Security at protocol level: HTTPs
 - Securing Enterprise Java Beans
 - Security at protocol level: RMI/JRMP
 - Securing DataSources
 - Some hints
- **Multiple JBoss™ instances**
 - Multiple instances: Multi-hosting
 - Collaborating instances: Clustering
 - Cluster deployment
 - Clustering EJBs
 - Clustering JMS
 - Troubleshooting Clusters
- **Clustering the frontend**
 - Intro to Clustering
 - JBoss™ Clustering -> Intro
 - Apache and mod_jk
 - Sticky Sessions and Session Replication
- **Classloaders and JVM**
 - Classloaders in general
 - JBoss' unified Classloaders
 - Understanding JVM and Garbage Collections
 - Monitoring Threads

Termine:

Zielgruppe: Administratoren

Level: Advanced

Dauer: 4 Tage

Abschluss: Zertifikat

Preis: 2.250,- € (zzgl. MwSt.)