Apache TomEE Training Course

Duration: 4 days (32 hours)

Requiremnts

* An understanding of Java EE
* Comfortable working with the Linux command line

Overview

Apache TomEE is a certified Java Enterprise Edition (EE) stack developed on top of Tomcat (TomEE = Tomcat + aditional Java EE features). These integrations facilitate writing code, testing business logic, configuring container-managed resources, and administering the server.

In this instructor-led, live training, participants will learn how to install, configure, manage, troubleshoot and optimize a TomEE application server.

**Audience**

* Developers
* System administrators
* DevOps Engineers

**Format of the course**

* Part lecture, part discussion, exercises and heavy hands-on practice

Course Outline

**Day 1**

**Introduction to Apache TomEE**

**Overview of TomEE Architecture**

**Installation in Linux servers**

**Operating TomEE (Start/Stop)**

**Directory Structure and Configuration**

**Enabling Remote EJBs**

**Using JAX-RS Services**

**Deploying Applications**

* EAR, EJB and WAR Deployments

**Using Java EE Technologies in TomEE**

**JNDI Naming Details**

**Day 2**

**Advanced Configuration**

* JMS Configuration
* Integration with Active MQ
* Email configuration
* DataSource Configuration
* Working with Containers
* Working with Transactions

**Clustering and Load Balancing**

* Cluster Setup
* Apache Http Server as Load balancer
* Testing Cluster

**Security Configuration**

* Authentication
* Authorisation
* SSL Configuration
* User Management

**Testing Techniques in TomEE**

**Day 3**

**Performance Monitoring**

* JMX Performance Metrics
* Monitoring TomEE

**Performance Tuning**

**Trouble Shooting**

* Logging Configuration
* Log analysis
* Known issues

**Day 4**

**IMS configuration**

**Migration & Other questions**