



# PROFESSIONAL LINUX CONSULTING & TRAINING

## CURSO TOMCAT

### OBJETIVO

Que el estudiante entienda y aplique el proceso de instalación, configuración, administración y aseguramiento y puesta a punto de un servidor Tomcat, así como la implementación e integración de aplicaciones web.

### TEMARIO

- **Getting Started with Tomcat**
  - Installing Tomcat
  - Starting, Stopping, and Restarting Tomcat
  - Automatic Startup
  - Testing Your Tomcat Installation
  - Where Did Tomcat Come From?
- **Configuring Tomcat**
  - A Word About Using the Apache Web Server
  - Relocating the Web Applications Directory
  - Changing the Port Number from 8080
  - Java VM Configuration
  - Changing the JSP Compiler
  - Managing Realms, Roles, and Users
  - Controlling Sessions
  - Accessing JNDI and JDBC Resources
  - Servlet Auto-Reloading
  - Customized User Directories
  - Tomcat Example Applications
  - Common Gateway Interface (CGI)
  - The Tomcat Admin Webapp
- **Deploying Servlet and JSP Web Applications in Tomcat**
  - Layout of a Web Application
  - Deploying an Unpacked Webapp Directory
  - Deploying a WAR File
  - Hot Deployment
  - Working with WAR Files
  - The Manager Webapp
  - Automation with Apache Ant
  - Symbolic Links
- **Tomcat Performance Tuning**
  - Measuring Web Server Performance
  - External Tuning
  - Internal Tuning
  - Capacity Planning
  - Additional Resources
- **Integration with the Apache Web Server**
  - The Pros and Cons of Integration
  - Installing Apache httpd
  - Apache Integration with Tomcat
  - Tomcat Serving HTTP over the APR Connector



- **Tomcat Security**

- Securing the System
- Multiple Server Security Models
- Using the SecurityManager
- Granting File Permissions
- Setting Up a Tomcat chroot Jail
- Filtering Bad User Input
- Securing Tomcat with SSL

- **Configuration**

- server.xml
- web.xml
- tomcat-users.xml

- catalina.policy
- catalina.properties
- context.xml

- **Debugging and Troubleshooting**

- Reading Logfiles
- Hunting for Errors
- URLs and the HTTP Conversation
- Debugging with RequestDumperValve
- When Tomcat Won't Shut Down

Duración: 30 horas  
Material: CD de Centos Linux  
Documentación: Tomcat: The Definitive Guide, 2<sup>nd</sup> edition

