

Apache Tomcat Admin

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1. **INTRODUCTION**

- ✓ *Evolution of Tomcat*
- ✓ *Installing Tomcat*
- ✓ *Directory Structure*
- ✓ *Starting and Shutting down Tomcat instance.*
- ✓ *Starting and Shutting Down multiple instances*
- ✓ *Tomcat Architecture*
- ✓ *Enabling Administrative web application*
- ✓ *Demo*

2. **Deploying in Tomcat**

- ✓ *Web Application Structure*
- ✓ *Web application deployment*
 - *Deploying to a Local Server*
 - *Deploying to a remote server*
- ✓ *Undeploying the application*

3. **Logging**

- ✓ *What is logging?*
- ✓ *Log4j pattern layout*
- ✓ *Features of logging.*
- ✓ *Steps to achieve logging in tomcat.*
- ✓ *Brief on log4j parameters.*
- ✓ *Application Specific logging.*

4. **Data Source**

- ✓ *Configuring Oracle 10g*
- ✓ *Database interaction with the Tomcat*
 - *Context configuration*
 - *Web.xml configuration*

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5. Virtual Hosting

- ✓ *What is Virtual hosting?*
- ✓ *Steps to achieve virtual hosting.*

6. Tomcat security

- ✓ *Features of Security*
- ✓ *Types of security mechanisms present in tomcat*
- ✓ *Tomcat can use two different implementations of SSL*

7. CLUSTERING

- ✓ *What is clustering*
- ✓ *Vertical / Horizontal*
- ✓ *Bringing up a simple cluster*
- ✓ *load balancing*
- ✓ *Configuring load balancing using Apache and mod_jk*
- ✓ *Configuring HTTP session state replication*

8. Overview of Up-gradation flow

9. Performance Tuning