Apache Tomcat 9 Administration and Deployment

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1. Tomcat Introduction

- History of Tomcat
- Version Number and Features
- Tomcat Components
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  - Jasper
  - Coyote
- JEE Overview
  - MVC Design Pattern
  - Servlets/JSP
  - Directory Structure
  - JNDI

2. Installing Tomcat

- Download
- Installation
- Environment Variables
- Starting the Server
- Verifying Server Operation
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3. Tomcat Directory Structure

- Batch files in /bin
  - .exe files
- /conf
  - server.xml
  - context.xml
  - web.xml
- /logs
- /webapps
- /lib
- /work
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4. Configuring Tomcat

- Role of serverxml
- Instance Layout
  - Server
  - Service
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- serverxml elements

    - <Server>
    - <Service>
    - <Connector>
    - <Engine>
    - <Host>
    - <Context>
    - <Realm>
    - <Valve>

4. Deploying Web Applications

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- Document Base
- Context and the Document Base
- Default Context Descriptor
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- Commons Database Connection Pooling
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- Web Application Logging Techniques
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10. Clustering

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    - Session Persistence Using Shared Database
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