

Day 1: Introduction to WebLogic Server and Domain Configuration

1. Introduction to Oracle WebLogic Server

- Overview of WebLogic Server
- Key features and benefits

2. Understanding WebLogic Domains

- Domain architecture and components
- Domain configuration files and directories

3. Installing and Configuring WebLogic Server

- Installation prerequisites and steps
- Configuration wizard walkthrough

4. Domain Configuration

- Domain creation and configuration
- Domain templates and customization

Day 2: Managing WebLogic Server Instances and Clusters

5. Managing Server Instances

- Server lifecycle and states
- Server configuration and monitoring

6. Creating and Configuring WebLogic Clusters

- Cluster architecture and benefits
- Cluster configuration and management

7. High Availability and Failover

- Understanding high availability concepts
- Configuring failover and redundancy

Day 3: Deploying Applications and Managing Resources

8. Application Deployment

- Deployment overview
- Deployment tools and methods

9. Managing Web Applications

- Web application configuration
- Session management and monitoring

10. Resource Management

- JDBC configuration
- JMS configuration
- Work manager configuration

Day 4: Monitoring and Performance Tuning

11. Monitoring WebLogic Server

- Monitoring tools and techniques
- Performance metrics and analysis

12. Performance Tuning

- Performance optimization strategies
- Tuning JVM and WebLogic configurations

Day 5: Security and Backup

13. WebLogic Server Security

- Security realms and providers
- Configuring authentication and authorization

14. Backup and Recovery

- Backup strategies and tools
- Disaster recovery planning

15. **Best Practices and Troubleshooting**

- Best practices for WebLogic administration
- Troubleshooting common issues

16. **Final Review and Q&A**

- Recap of key concepts
- Open floor for questions and discussions