

Chapter 1: Getting Started

You will learn:

- WebLogic Server domains.
- System administration infrastructure.
- Mbeans administration, configuration, and runtime.
- Administration Server.
- Managed Servers.
- Managed Server Independence.
- System administration tools.
- System Administration Console.
- Command-line interface.
- WebLogic Server domain resources.
- Web servers and web components.
- J2EE application formats.
- WebLogic server utilization with web servers.
- Monitoring.

Chapter 2: WebLogic Server Domains

You will learn:

- Domain concept.
- Content of a domain.
- Common domain types.
- Production versus development mode.
- Domain creation.
- Administrative server services.
- Domain restrictions.
- Directory structure.
- Managed servers and clustered managed servers.
- Resources and services.
- Server root directory.

Chapter 3: Domain Creation and Configuration

You will learn:

- Different ways of starting:
Configuration Wizard, GUI environment, and text-based environment.
- Domain configuration templates.
- Single server instance domains.
- Administration Console - accessing.
- Administration and Clustered Managed Servers.

Chapter 4: Node Manager

You will learn:

- Node Manager capabilities.
- How to run Node Manager on machines hosting managed servers.
- How to run Node Manager as an operating system service.
- Invoking Node Manager.
- Node Manager and utilization of SSL.
- Managed Servers - start, suspend/stop, and shut down failed.
- Restarting of crashed and failed Managed Servers.
- Node Manager communications.

Chapter 5: Node Manager Management

You will learn:

- Node Manager configuration.
- Node Manager - starting and stopping.
- Command syntax for starting Node Manager.
- Server properties.
- Troubleshooting.
- Node Manager log files.
- Node Manager hosts file.
- Configuring SSL for Node Manager.
- Starting Node Manager as a service.
- Correcting common problems.

Chapter 6: Server Setup

You will learn:

- Setting up a windows service.
- Server-specific scripts.
- Configuring a connection to the Administration Server.
- Requiring managed servers to start after Administration Servers.
- Graceful shutdowns from the Windows Control Panel.
- Java class that shuts down a server instance.
- Redirecting standard out and standard error to a file.
- Adding classes to the Classpath.
- Running the server-specific script.

Chapter 7: Web Server Components

You will learn:

- Configuring WebLogic Web Server components.
- Configuring the Listen Port.
- Designating a default web application.
- Configuring virtual hosting.
- How WebLogic Server resolves HTTP requests.
- Setting up HTTP access logs.
- Setting up HTTP access logs by using extended log format.
- Log rotation and common log format.
- Fields directive.
- Creating custom field identifiers.

Chapter 8: Monitoring Server Domain

You will learn:

- WebLogic Server monitoring facilities.
- Administration Console.
- Server Self-health monitoring.
- Obtaining server health programmatically.
- Messages and log files.
- Monitoring - server, clusters, machine, deployment, and services.
- Services monitoring.
- Messages and log files.

Chapter 9: Recovering Failed Servers

You will learn:

- WebLogic Server failure recovery features.
- Managed Server Independence mode and the managed servers root directory.
- Backing up configuration and security data.
- Backing up security data.
- Restarting failed server instances.
- Restarting an Administration Server on the same machine.
- Restarting an Administration Server on another machine.
- Restarting managed servers.
- Restarting an Administration Server when Managed Servers are / are not running.
- Starting a Managed Server when the Administration Server is accessible / is not accessible.