

Websphere Training Course Syllabus

**Introduction**

- What is WAS
- The WebSphere family
- Various WAS editions
- The J2EE Platform
- What is new in WAS 7.0

**First Steps**

**Architecture, Component, Installation & Configuration**

- Understanding of Server profiles
- Base Server architecture and components
- WAS ND architecture and components
- Installation of WAS ND – GUI & Silent
- Manage Profiles
- Cells, Nodes, Clusters
- Topologies for best practices
- Deploy the Sample Application

**Administrative Console**

- Where the console resides
- Navigating the GUI Configure
- Application server
- Install & Configure Web Server
- Web server plug-in
- Single cell configurations
- Access the Console via Port Numbers

- **Server Environments**
- **Single cell configurations**
- **Multiple cell configurations**
- **Multiple cell configurations**
- **Mixed node versions in a cell**

### **Deploying and configuring Enterprise applications**

- **Overview of Enterprise application**
- **Deploying and configuring Enterprise applications**
- **Setting up resources**
- **Application server properties**
- **Web container properties**
- **EJB container properties**

### **Distributed Servers and Repositories**

- **Network deployment(WAS-ND)**
- **Creating cells**
- **Federating nodes**
- **Configuration repositories**
- **Repository: Cell, Nodes, Servers**
- **Repository: deployment manager**
- **Job manager**
- **Administrative agent**
- **Managing remote Web servers**

## **Clusters and Topologies**

- **Creating clusters**
- **Replication**
- **Adding servers to clusters**
- **Cluster management**
- **Network dispatcher**
- **Vertical scaling**
- **Horizontal scaling**
- **Multi clustering**

## **Administering Security**

- **Global Security overview**
- **Administrative security**
- **Configuring User registries and repositories**
- **Custom registry security**
- **Local OS Level security**
- **File-based Federated Repository**
- **Mapping roles to users and groups**
- **Application security**
- **SSL administration**

## **Troubleshooting and Monitoring**

- **Performance Monitoring Infrastructure**
- **Tivoli Performance Viewer (TPV)**
- **Performance monitoring Servlet**
- **Console messages**
- **Trace facility**
- **Log analyzer**

## Scripting Tools

- **Bean Scripting Framework**
- **Mbeans**
- **wsadmin**
- **Jacl scripting**
- **Configuring wsadmin**
- **wsadmin objects**
- **Advanced wsadmin**

