

## **ORACLE FUSION COURSE CONTENT**

### ❖ **INTRODUCTION TO ORACLE FUSION MIDDLEWARE 11G:**

- Fusion Middleware concepts
- Introduction to WebLogic Server
- WebLogic Server Domain, Administration Server and Managed Server
- Oracle Instance , Oracle Home, Metadata Repository
- File System and Directory Structure in Fusion Middleware

### ❖ **II. INSTALLATION & CONFIGURATION OF FUSION MIDDLEWARE (DB, WEBLOGIC & SOA SUITE):**

- Installing Oracle Database
- Installing Metadata Repository for Fusion Middleware
- Installing WebLogic Server
- Installing Additional Fusion Middleware component (SOA Suite)
- Configuring Fusion Middleware component (SOA Suite)
- Start/Stop Services
- Start/Stop WebLogic Administration Server
- Start/Stop Managed Server
- Start/Stop Middleware Control

### ❖ **III. NODE MANAGER AND DEPLOYING APPLICATION:**

- Introduction to Node Manager
- Configuring Node Manager and starting Managed Servers using Node Manager
- Overview of Deploying Applications
- Understanding Data Sources
- Deploying and Undeploying Java EE Applications

### ❖ **IV. MONITORING ORACLE FUSION MIDDLEWARE:**

- Overview of Monitoring Oracle Fusion Middleware
- Monitoring the Status of Oracle Fusion Middleware
- Monitoring an Oracle WebLogic Server Domain
- Monitoring an Oracle WebLogic Server Administration Server or Managed Server
- Monitoring a Component
- Monitoring Applications
- Monitoring the Performance of Oracle Fusion Middleware Components

### ❖ **V. CONFIGURING SECURITY AND HIGH AVAILABILITY FOR SOA:**

- Creating Additional Administrative Users
- Creating Additional Users with Specific Roles
- Changing the Administrative User Password
- Defining Virtual Hosts for SOA Cluster
- Installation and Configuration of SOA in Active Cluster

### ❖ **LAB EXERCISES:**

- Installation of VMware on User's PC
- Create two virtual Machine and install Oracle Enterprise Linux
- Install Oracle Database 11g
- Load Fusion Middleware Schema in Database
- Install WebLogic Server 11g
- Install Fusion Middleware Component (SOA Suite)
- Configure SOA Suite 11g
- Start/Stop Services on Fusion Middleware

- Configure and Start Node Manager
- Configure Virtual IP's on Linux
- Install and Configure WebCache 11g as Software Load Balancer
- Install SOA suite 11g in Active cluster on two Linux Machines

