

ORACLE SERVICE ORIENTED ARCHITECTURE (SOA) 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

❖ 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

❖ 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

❖ 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

❖ 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:

❖ INSTALLATION OF VMWARE ON USER'S PC:

❖ 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:**

