

## **SOA ADMINISTRATION COURSE CONTENT**

### ❖ **CHAPTER1 : INTRODUCTION:**

### ❖ **CHAPTER2 :SOA INSTALLATION:**

1. Installation overview.
  - 1.1 Oracle soa suite Components
  - 1.2 Oracle soa Suitllation installation Roadmap
2. Prerequisites Checking:
  - a) Memory and space Requirements.
  - b) Check your Browserser
  - c) Check your JDK
3. Installations
  - a) Install the database
  - b) Install weblogic server
  - c) Install database schema using RCU
  - d) Install SOA Suite-Base Components.
4. Create a SOA Domain
  - 4.1 Using Default Settings for Managed Servers.
  - 4.2 Oracle BPM suite
  - 4.3 Oracle BPM Suite for Developers
  - 4.4 Oracle Soa Suite
  - 4.5 Oracle suite for Developers
  - 4.6 Oracle Business Activity Monitoring
    - 4.6.1 Manual configuration for Oracle BPM
    - 4.6.2 Configuring Oracle BAM with Custom Port Numbers
  - 4.7 Applying Java Required Files(JRF)
  - 4.8 Protecting Updates to your Soa Configuration
5. Starting the servers
6. Starting Node Manager
7. Verifying the Installation and configuration

### ❖ **CHAPTER3: NAVIGATION OF SOA INFRASTRUCTURE:**

- Navigate the SOA Infrastructure Home page and Menu
- Navigate the composite Application Home page and Menu.
- Navigating Through the portion Home Page and Menu
- Navigating to Deployed Java EE Applications.
- Navigating to Oracle WI Server Admin Console and Other Pages
- Navigating to SOA Infra or SOA Composite Application Home page.
- Logging Out of Oracle Enterprise Manager.

### ❖ **CHAPTER4: SOA INFRASTRUCTURE PARTIONS:**

- Creating and Deleting Partions.
- Performing Bulk Life Cycle Mgmt. Tasks on Composite in partitions.

### ❖ **CHAPTER5: CONFIGURING LOG FILES:**

❖ **CHAPTER6: DEPLOYING SOA APPLICATIONS:**

- Deployment of SOA Application.
- Redeploying SOA Applications.
- Un deploying SOA Applications.

❖ **CHAPTER7: TESTING THE WEBSERVICE:**

❖ **CHAPTER8: HUMAN WORK FLOW:**

❖ **CHAPTER9: ORACLE BAM:**

- What is bam?
- How does BAM interface with other SOA applications?

Steps to Implement Use\_case:

- Create Employee Data Object.
- Create BAM report
- Configure BAM Adapter
- Deploy the BAM application

❖ **CHAPTER10: ORACLE SERVICE BUS:**

❖ **CHAPTER11: ADMINISTERING BPEL PROCESS SERVICE COMPONENTS AND ENGINES:**

- Configuring BPEL Process Service Components and Engines.
  - 1) Configuring BPEL Process Service Engine Properties.
  - 2) Configuring Automatic Recovery for BPEL Process Manager.
  - 3) Config Auto Recovery attempts for Invoke and Callback msgs.
  - 4) Setting the Audit Level at the BPEL Process Service level
- Monitoring BPEL Process Service Components and Engines.
- Monitoring BPEL Process Service Component Instances and Faults.

❖ **CHAPTER 12: CLUSTERING:**

- Create Coherence Server, fail over, Load Balancing.

❖ **CHAPTER 13: TROUBLE SHOOTING:**