



ORACLE SOA - COURSE CONTENTS

Duration : 6 Weekends (Sat & Sun : 4 Hours Each Day)
No. Of Hours : 48 Hours.

Week-1	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Introduction to XML, XSD.➤ Introduction to Enterprise Java Bean (JSB, MDB etc).➤ Introduction to EAI, ESB, JMS.➤ Introduction to Web services.➤ Understanding WSDL, SOAP and UDDI concepts. <p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ Oracle SOA Suite 10g concepts and architecture➤ Install SOA Suite and configure JDeveloper
Week-2	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Create First BPEL process➤ BPEL designer and process manager➤ Practice➤ Understand BPEL designer and activities➤ Test & deploy the BPEL process <p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ Synchronous and Asynchronous Bpel process➤ Create a synchronous process➤ Create an asynchronous process➤ Practice
Week-3	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Creation of Java Web service from scratch (using bottom up approach)➤ Practice➤ Add multiple flows and conditions in process<ul style="list-style-type: none">○ Using Throw activity to throw faults○ Using Fault Handler to handle faults○ Compensation handler○ Using Sensors➤ Practice➤ Throwing simple faults and faults with variable➤ Returning faults to client by adding fault message to WSDL



	<p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ Invoking BPEL from Java➤ Invoking BPEL from PL/SQL➤ Invoking BPEL from Excel➤ Practice
Week-4	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Create a Human Workflow➤ Embedding Java in BPEL process➤ Call an external Java class, call an EXE, set title of BPEL process➤ Using XML Façade <p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ Adapters in Oracle fusion-➤ Read and write a file using file adapter➤ Poll for new rows in a table using DB adapter➤ Insert data into table using DB adapter➤ Insert data into JMS queue using JMS adapter➤ Use header variables to specify file name while writing a file➤ Delete any file using header variables and opaque schema
Week-5	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Basics of Enterprise Service Bus➤ Build ESB and use routing rules➤ Use Filters and Transformations in ESB➤ Use domain value map <p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ ESB Tricks -➤ Content Based Routing➤ Using the message header➤ Using Tracking Fields➤ Using DVM➤ Create a ESB sample project
Week-6	<p><u>DAY-1</u></p> <ul style="list-style-type: none">➤ Comprehensive Error Handling➤ Error handling in Adapters, ESB and BPEL➤ Introduction to Demo Project – Case Study <p><u>DAY-2</u></p> <ul style="list-style-type: none">➤ Complete the end to end case study➤ Best Practices➤ Q & A Session