Tibco BusinessWorks 6.x Course Content

1.EAI concepts.

·   Introduction to EAI

·   EAI – Message oriented middleware

·   Simple Case study

2.   **Introduction to TIBCO AMX BusinessWorks 6.x Environment**

·   Introduction to TIBCO AMX BusinessWorks 6.x

·   Features of TIBCO AMX BusinessWorks 6.x

·   TIBCO AMX BusinessWorks 6.x Installation

·   Introduction to TIBCO Business Studio

·   Using Workspace

·   Exercise #1 : Installation and Hands-on On TIBCO Business Studio

3.   **TIBCO AMX BusinessWorks 6.x Design and Development**

·   Introduction to Application, Module, Processes and Packages

·   Introduction to Activities/Palette/Transitions/Shared Ressources

·   Mapping and Transformations

·   Building Web-services(SOAP HTTP/JMS)

·   Exercise #2 : Building a Web-service With Real-time Scenario

4.   **Debugging Application**

·   Introduction to TIBCO AMX BusinessWorks Debugger

·   Debug Job Data

·   Using Breakpoints

·   Configuring Debugging Environment

·   Introduction to OSGi Accessing/Commands

·   Testing TIBCO AMX BusinessWorks Application

·   Viewing Bundle and Engine details

·   Endpoint details

·   Exercise #3 : Debugging a TIBCO AMX BusinessWorks Application

5.   **REST Services**

·   Introduction to REST services

·   Introduction to JSON

·   Designing of REST services

·   REST Wizard

·   Development of REST services

·   View/Configure REST Operations

·   Testing REST Service Using Swagger UI

·   Exercise #4 : Development/Debugging REST Service With Real-time Scenario

6.   **Working With Properties/Variables**

·   Introduction to Process Properties

·   Introduction to Module Properties

·   Introduction to Application Properties

·   Scope of Properties

·   Introduction to Application Configuration Profiles

·   Exercise #5 : Working With Properties

7.   **Working With JDBC Activities/Drivers**

·   Introduction to JDBC Activities

·   Configuring JDBC Drivers At Design-time and Run-time

·   Working With JDBC Activities

·   Exercise #6 : Development of TIBCO AMX BW 6.x Application With JDBC Activities For A Real-time Scenario

8.   **Working with REST Activities**

·   Introduction to REST/JSON Palette

·   Invoking REST API

·   JSON to XML and XML to JSON Conversion

·   Exercise #7 : Development Of REST Client For A Real-time Scenario

9.   **Working with Groups**

·   Introduction to Groups

·   Understanding Group Options

·   Implementing Loops Using Groups

·   Using Scope

·   Exception Handling

·   Transaction Handling

·   Exercise #8 : Development Of TIBCO AMX BW Application Using Groups For A Real-time Scenario

10.   **Working with Java in TIBCO AMX BW 6.x**

·   Java Nature For Application Module

·   Using Java Code In Module

·   Using Product Bundles

·   Using Custom X-Path Functions

·   Inline Schema Editor

·   Using Mapper

·   Exercise #9 : Development Of TIBCO AMX BW Application Using External Java Code For A Real-time Scenario

11.   **Working with Plug-in Projects**

·   Introduction to OSGi

·   Understanding OSGi Activator Classes

·   Introduction to Plug-in Projects

·   Using/Referencing Plug-in Projects

12.   **Application Packaging and Deployment**

·   Validating Project and Building EAR File

· Introduction to TIBCO AMX BW 6.x Runtime Components

· TIBCO AMX BW 6.x Runtime Architecture

· Domain/Appnode/Appspace/Application

· Introduction to various Deployment Modes

· Creation of Domain/Appspace/Appnode/Application

· Introduction to TIBCO Enterprise Administrator (TEA)

· Exercise #10 : Creation of EAR/Domain/Appnode/Appsapce and Deployment of Application

13. **Java Messaging Service**

· What is TIBCO EMS

· Messaging Concepts

· JMS Message Format

· Destinations (Queue/Topic)

· Destination Properties

· Delivery Modes

· Persistent/Non-persistent

· EMS_Reliable Delivery

· Types of Storage Modes

· Types of Acknowledgement

· Message Selector

· Bridge/Route

· EMS Administration Commands

· Configuring GEMS Tool For Monitoring/Management

· Introduction to JMS Activities in TIBCO AMX BusinessWorks 6.x

· Exercise #11 : Working With EMS Admin Tool and GEMS Tool

· Exercise #12 : Development of TIBCO AMX BW 6.x Application With JMS Activities For A Real-time Scenario

14. **TIBCO Enterprise Administrator (TEA)**

· Introduction to TIBCO Enterprise Administrator (TEA)

- TEA Installation

- TEA Features

- Configuring TEA For TIBCO AMX BW 6.x

- Creation Of Runtime Components (Domain/Appspace/Appnode/Applications)

- Deployment/Managing/Configuration Of TIBCO AMX BW 6.x Applications

- Deployment Of Applications From TIBCO Business Studio

- Configuring TEA For TIBCO EMS

- Creation Of Destinations And Monitoring TIBCO EMS

- Exercise #14 : Hands-on On TEA