

TIBCO AMX BusinessWorks 6.x Course

EAI Concepts

- ✓ Introduction to EAI
- ✓ EAI – Historical Approach
- ✓ EAI – Message oriented middleware
- ✓ Simple Case study

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

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

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 Applicatio

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

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

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

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 Scenari

Working with 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

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

Working with Plug-in Projects

- ✓ Introduction to OSGi
- ✓ Understanding OSGi Activator Classes
- ✓ Introduction to Plug-in Projects
- ✓ Using/Referencing Plug-in Projects

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/Appspace and Deployment of Application

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

Working with Adapters in TIBCO AMX BW 6.x

- ✓ Introduction to File(or)ADB Adapters
- ✓ Installing File(or)ADB Adapters
- ✓ Developing Simple File(or)ADB Adapter Applications
- ✓ Deploying Adapter Applications Using TEA
- ✓ Exercise #13 : Development Of Simple File(or)ADB Adapter Application and Deployment

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)

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- ✓ 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

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