

105 Metastorm BPM® 9 Delta



Course Syllabus

Important Facts:

2 Days in Length

40% Lectures/Demonstrations

60% Hands-on Exercises

Target Audience:

Metastorm BPM professionals with hands on experience with Metastorm BPM.

Class Objectives:

After completion of the two days of the instructor led training, the student will have a good level of hands-on development experience with the standard Metastorm BPM 9 architecture and tools while obtaining the necessary skills to develop a business process management solution utilizing Metastorm BPM 9.

Specific outcomes include:

Ability to:

- Compare and contrast the difference between prior versions of Metastorm BPM and Metastorm BPM 9
- Properly utilize and maintain the system architecture of the Metastorm BPM 9 environment
- Navigate and configure the Metastorm BPM Designer
- Develop complete Metastorm BPM solutions
- Develop complete Metastorm BPM projects
- Develop and Metastorm BPM processes
- Develop and maintain Metastorm BPM forms
- Leverage the Metastorm BPM Designer tools
- Develop and maintain Metastorm BPM lanes and roles
- Develop and maintain database business objects
- Analyze SQL commands and ProcessContext.UserInput
- Integrate Metastorm BPM with active directory objects and attributes via LDAP
- Integrate Metastorm BPM and web services
- Manage process data business object parameters
- Integrate .NET assemblies with Metastorm BPM
- Develop and maintain C# server side scripts
- Develop and deploy libraries
- Promote custom functions to the Expression Builder and Visual Scripting Toolbox
- Develop and maintain multi lingual processes (MLP)

Prerequisites:

It is recommended that attendees have experience with Microsoft Windows (Ribbon based user interface) products, Metastorm BPM, fundamental relational database concepts, utilization of SQL statements, active directory/LDAP, web services & application development experience utilizing scripting languages such as C# and JScript.

Topic Outline:**Day 1**

- Class Introductions
 - Course Objectives, Content & Timing
 - Setting Student Objectives
- Metastorm BPM 9 Terminology and Architecture
 - Metastorm BPM prior version Terms versus Metastorm BPM 9 Terms
 - Standard Metastorm BPM 9 Architecture
 - Metastorm BPM Web Administration Tools
 - Metastorm BPM Web Client
- Touring the Metastorm BPM Designer
 - Metastorm BPM Layout
 - Metastorm BPM Designer Components
 - Configuring the Metastorm BPM Designer Options
- Developing Metastorm BPM Solutions
 - Metastorm BPM File Structure
 - Metastorm BPM Solutions
 - Metastorm BPM Projects
 - Metastorm BPM Processes
 - Metastorm BPM Process Model Styles
 - Metastorm BPM Deployment
- Business Objects and Variables
 - Business Objects
 - Variable Types
- Forms and Form Elements
 - Metastorm BPM Forms
 - Metastorm BPM Form Elements
 - Binding Forms to Processes
 - Binding Business Objects to Forms
 - Linking Form Elements with Business Object Variables
- Metastorm BPM Designer Tools
 - IntelliSense within the Metastorm BPM Designer
 - Expression Builder
 - Expression Builder Groups
 - Event Handlers
 - Visual Scripting Interface
 - Visual Scripting Groups and Activities

- Group Roles and Process Lanes
 - Introduction to Roles
 - Introduction to Process Lanes
 - How Roles and Process Lanes Relate
 - Administrating Group Roles
- Database Connections and Database Business Objects
 - Database Connection
 - Table Business Objects
 - Query Business Objects
 - Leveraging Views and Stored Procedures as Business Objects
 - Query Builder
 - External Database Integration

Day 2

- SQL Commands and ProcessContext.UserInput
 - INSERT Statement
 - UPDATE Statement
 - DELETE Statement
 - Stored Procedure
 - ReplaceSubstrings Function
 - Grid Types
 - Business Object Index
 - ProcessContext.UserInput
- LDAP Connections and LDAP Business Objects
 - LDAP Connections
 - LDAP Business Objects
 - For Each Loop Activity
 - Email Functionality
- Web Services Integration
 - Web Service Connections
 - Accessing Web Service Methods and Parameters
 - Consuming Web Services
- Process Data Business Object Parameters
 - Applying Parallel Processing
 - Configuring Parameter Values
- Code Activity
 - Assigning Values to Variables Via Scripting
 - Leveraging Metastorm API Functions
 - Accessing .NET Assemblies
- Server Side Scripting and Libraries
 - Developing C# Server Side Scripts
 - Promoting Functions to the Expression Builder and Visual Script Toolbox
 - Developing and Deploying Libraries

- Multi Lingual Process (MLP)
 - MLP Explained
 - Utilizing MLP within the Metastorm BPM Project

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