



i n v e n t s y s
Learning Services



Course Description

InBatch Software

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InBatch Software

Course Description

The InBatch Software course is a 4-day instructor-led class that provides you with a fundamental overview of the concepts and terms associated with Wonderware's InBatch Software. The course includes providing you with the opportunity to apply the product to a batch process application. InBatch Software is flexible batch management software designed to model and automate batch-oriented production processes.

InBatch Software allows users to quickly and easily create recipes and simulate their execution against a model of the process—all before writing one line of control code.

InBatch Software's powerful batch engine reduces the time to automate batch processes by 40 to 60% over competitive solutions. InBatch Software facilitates the design and implementation of solutions that are compliant with 21 CFR Part 11, the US Regulation on Electronic Records and Electronic Signatures.

Course Objectives

Upon completion of this course, you will be able to:

- Use the features and functionality of the InBatch Software
- Create recipes and simulate their execution against a model of the process
- Use the information in the course to reduce the cost and time to automate batch processes utilizing the new enhancements of InBatch Software
- Understand the basic concepts of using InBatch with System Platform

Audience

Plant floor operators and managers, system administrators, system integrators, and individuals who work with batch systems and need to use InBatch Software in their manufacturing environment

Prerequisites

The prerequisites for this course are:

- Basic knowledge of batch systems and their structure
- Microsoft Windows
- Manufacturing industry experience

Course Outline

Module 1 – Introduction to the InBatch System**Section 1 – Course Overview****Section 2 – Wonderware System Platform Overview****Section 3 – Batch Control System Overview****Section 4 – Installation, Components & System Requirements****Section 5 – Architecture and Licensing****Section 6 – InBatch Application Maintenance****Section 7 – InBatch Configuration Utility****Module 2 – Environment Display****Section 1 – Environment Manager Overview and Operation****Module 3 – Process Model Editor****Section 1 – Process Model Editor****Section 2 – Process Model Configuration**

Lab 1 – Plant Survey

Lab 2 – Defining the Essential Model

Lab 3 – Defining Classes and Phases

Lab 4 – Defining Equipment Status, Units of Measure and Enumeration

Section 3 – Phases and Phase Tags

Lab 5 – Configuring Phases and Phase Tags

Lab 6 – Interlocks and Control Buttons

Section 4 – Segments

Lab 7 – Defining Segments

Section 5 – Validating the Model and Synchronizing the Databases

Lab 8 – Validating and Synchronizing the Database

Module 4 – Train Editor**Section 1 – Use and Operation of Trains**

Lab 9 – Creating Trains

Module 5 – Materials Editor**Section 1 – Overview**

Lab 10 – Defining Materials

Lab 11 – Assigning Materials to Units

Module 6 – Recipe Editor

Section 1 – Recipes and the Recipe Editor**Section 2 – Creating Recipes**

Lab 12 – Creating a Recipe for Hot Pepper Sauce

Section 3 – Recipe Validation and Approval

Lab 13 – Recipe Validation and Approval for Production

Module 7 – Batch Management**Section 1 – Overview****Section 2 – Batch Display and Operation****Section 3 – Restart**

Lab 14 – Scheduling and Running Batches

Module 8 – Advanced Topics on Recipe Creation and Batch Execution**Section 1 – Availability and Allocations****Section 2 – Instances**

Lab 15 – Creating a Recipe for
Extreme Pepper Sauce

Section 3 – Batch Phase Propagation and Unit Control**Module 9 – InBatch ActiveX GUI Objects****Section 1 – InBatch ActiveX GUI Control**

Lab 16 – Building a Simple Batch Scheduler

Section 2 – Using the BatchSecurity Control**Module 10 – Security System****Section 1 – InBatch Security System**

Lab 17 – Configuring the Security System

Module 11 – Phase Logic Development**Section 1 – Defining and Configuring Phase Logic****Module 12 – Process Logger****Section 1 – Process Logger System**

Lab 18 – Enter a Process Logger Configuration

Lab 19 – Configure the Log Manager

Module 13 – History and Reporting**Section 1 – History and Archiving****Section 2 – Reporting System**

Lab 20 – History and Reporting

Module 14 – Tag Linker

Section 1 – Using Tag Linker

Section 2 – Interacting with the Control System

Module 15 – InTouch Batch Tag Browsing & Referencing

Section 1 – Using InBatch Tags from InTouch

Module 16 – InBatch and System Platform

Section 1 – Communicating with Wonderware Application Server

Lab 21 – Configuring InBatch Connection to Application Server