

InBatch 2012

Course Description

The InBatch 2012 course is a 4-day instructor-led class that provides you with a fundamental overview of the concepts and terms associated with Wonderware InBatch Software. The course includes providing you with the opportunity to apply the product to a batch process application. InBatch 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.

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
- Individuals who work with batch systems and need to use InBatch software in their manufacturing environment

Prerequisites

- 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 Review

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

Section 3 – Phases and Phase Tags

Section 4 – Segments

Section 5 – Validating the Model and Synchronizing the Databases

Module 4 – Train Editor

Section 1 – Use and Operation of Trains

Module 5 – Materials Editor

Section 1 – Overview

Module 6 – Recipe Editor

Section 1 – Recipes and the Recipe Editor

Section 2 – Creating Recipes

Section 3 – Recipe Validation and Approval

Module 7 – Batch Management

Section 1 – Overview

Section 2 – Batch Display and Operation

Section 3 – Restart

Module 8 – Advanced Topics on Recipe Creation and Batch Execution

Section 1 – Availability and Allocations

Section 2 – Instances

Section 3 – Batch Phase Propagation and Unit Control

Module 9 – InBatch ActiveX GUI Objects

Section 1 – InBatch ActiveX GUI Control

Section 2 – Using the BatchSecurity Control

Module 10 – Security System

Section 1 – InBatch Security System

Module 11 – Phase Logic Development

Section 1 – Defining and Configuring Phase Logic

Module 12 – Process Logger

Section 1 – Process Logger System

Module 13 – History and Reporting

Section 1 – History and Archiving

Section 2 – Reporting System

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