iam ®

IAM-WONDERWARE SDN BHD

INTOUCH FOR SYSTEM PLATFORM

Duration: 4 days, Instructor-led

Course Description

The InTouch for System Platform course is a 4-day, instructor-led class designed to provide a fundamental understanding of how Wonderware InTouch provides visualization for plant Galaxy data using ArchestrA symbols within the Wonderware Application Server software. The focusof this course is to illustrate the use of visualization tools in Wonderware Application Server to provide a Human Machine Interface (HMI) with connectivity to the Galaxy, graphic symbols, animations, and scripting features and functionality in InTouch WindowMaker, ArchestrA symbols, the ArchestrA Symbol Editor, and QuickScript .NET.

The course provides lectures and hands-on labs to provide a fundamental understanding of, and reinforce knowledge about, how to design graphics and windows; apply alarm, trending, and history controls for visualization; and secure an InTouch application.

Objectives

Upon completion of this course, you will be able to:
- Create and deploy Managed InTouch applications using the ArchestrA IDE
- Use ArchestrA Situational Awareness symbols
- Embed ArchestrA symbols in automation objects and reference the object's attributes
- Use ArchestrA symbols in a containment relationship
- Create ArchestrA symbols
- Work with the ArchestrA Alarm Client control for alarm visualization
- Work with the ArchestrA Situational Awareness trend pen symbols for customized trending
- Use the ArchestrA Trend Client control for real-time trending
- Work with the Historian Client Trend control for real-time trending
- Apply ArchestrA security in a Managed InTouch application

Audience

- Plant floor operators and managers
- System administrators
- System Integrators
- Other individuals who need to use the InTouh HMI
software in manufacturing processes

Prerequisites

- Completion of an Application Server course
- Attendance at a Historian Client course (recommended to obtain knowledge of the Historian Client Trend component)
- Manufacturing industry experience

Course Contents

Module 1 : Introduction
Lab 1 – Creating and Deploying the Galaxy

Module 2 : Window Layout and Basic
Lab 2 – Creating Managed InTouch Application
Lab 3 – Building the Application Layout
Lab 4 Deploying an InTouch Application

Module 3 : ArchestrA Symbol Basics
Lab 5 – Building a Process Overview
Lab 6 – Customizing Element Styles
Lab 7 – Creating Level and
Temperature Displays for the Mixer
Lab 8 – Creating the Mixer Display
Lab 9 – Switching Between Mixers

Module 4 : ArchestrA Symbols Creation
Lab 10 – Creating Command Displays
Lab 11 – Creating the Heat Exchanger Symbol
Lab 12 – Adding Status Display to the Heat Exchanger
Lab 13 – Creating a Navigation Symbol

Module 5 : Alarm Visualization
Lab 14 – Applying Alarm Border Animation
Lab 15 – Building an Alarm Aggregation Overview
Lab 16 – Building a Live Alarm Display
Lab 17 – Creating an Alarm Popup Symbol
Lab 18 – Building a Historical Alarm Display

Module 6 : Trend Visualization
Lab 19 – Adding Trending to Graphics
Lab 20 – Creating a Trend Popup Symbol
Lab 21 – Building a Historical Trend Display

Module 7 : Security
Lab 22 – Using Security Features in Graphics
Lab 23 – Signing Writes from InTouch
Lab 24 – Locking Down Your Application