



Course Description: InTouch Comprehensive

The *InTouch® Comprehensive* course is a 5-day, instructor-led class designed to teach the basic functionality of the Wonderware® visualization module. The purpose of this course is to give you the InTouch® HMI knowledge necessary to develop a Human Machine Interface (HMI) for their specific plant floor environment using basic InTouch® HMI elements. This HMI system will be developed using many of the InTouch® HMI software features/ functionality such as WindowMaker, Tagnames, Animation, Cells and Symbols, SmartSymbols, Scripting, Alarms, RealTime and Historical Trending, Advance Tag Functionality, Security, Application Backup. In addition, this course provides introductory material about creating managed InTouch applications, as well as basic information regarding ArchestrA Graphics.

OBJECTIVES

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

- Create stand-alone and managed InTouch applications
- Use WindowMaker to create windows and manipulate objects
- Create and import tags and use the Tagname Dictionary
- Define animation links and generate SmartSymbols
- Use the scripting editor to create QuickScripts
- Add alarm functionality to an application
- Insert an ArchestrA Symbol into a managed InTouch application
- View user data in real-time and retrieve data from historical archives
- Establish communication with I/O aware programs and configure and troubleshoot I/O servers
- Implement InTouch® HMI security in an application
- Backup an application
- Develop a Human Machine Interface (HMI) application for your specific plant floor environment using basic InTouch® HMI elements

AUDIENCE

Plant floor operators and managers, system administrators, system integrators, and other individuals who need to use InTouch® HMI in your manufacturing processes.

PREREQUISITES

The prerequisites for this course are:

- Completion of Getting Started with InTouch® HMI web tutorial
 - http://wonderware.com/training/online_training/tutorials.asp
- At least 8 hours of hands-on experience with InTouch® HMI

COURSE OUTLINE

Module 1 - Introduction

- Section 1 - Course Introduction
- Section 2 - System Requirements, Licensing and Support
- Section 3 - Introduction to Traditional InTouch
- Section 4 - Introduction to Managed InTouch Applications

Module 2 - Development Environment

- Section 1 - Introduction
- Section 2 - Using WindowMaker
 - Lab 1 - Create New Application, Windows, and Graphics

Module 3 - Tagname Dictionary

- Section 1 - Tags and Tag Features
 - Lab 2 - Creating Tags

Module 4 - Animation Links

- Section 1 - Animation Links Overview
- Section 2 - Animating Objects
- Section 3 - Animation Links - Quick Reference
 - Lab 3 - Configuring Animation Links
- Section 4 - Using SmartSymbols
 - Lab 4 - Using SmartSymbols
 - Lab 5 - Using ArchestrA Symbols

Module 5 - InTouch QuickScripts

- Section 1 - QuickScript Types
- Section 2 - Working with the Script Editor
- Section 3 - QuickScripts - Quick Reference
 - Lab 6 - Using InTouch QuickScripts

Module 6 - Alarms

- Section 1 - Alarms and Events
- Section 2 - The Distributed Alarm Object
 - Lab 7 - Creating Alarms and Events

Module 7 - Real-time and Historical Trending

- Section 1 - Real-time Trends
 - Lab 8 - Configuring Real-time Trends
- Section 2 - Historical Trends
 - Lab 9 - Configuring Historical Trends

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Module 8 - I/O Communication

Section 1 - I/O Communication Protocols

Section 2 - Wonderware I/O Servers

Lab 10 - Configuring I/O Communication

Section 3 - Troubleshooting I/O

Module 9 - Advanced Tag Functionality

Section 1 - Advanced I/O Functions

Section 2 - Indirect Tags

Lab 11 - Creating and Using Indirect Tags

Section 3 - InTouch SuperTags

Lab 12 - Defining SuperTags

Section 4 - DBDump and DBLoad

Section 5 - Optimizing the Tagname Dictionary

Lab 13 - Deleting Tags

Module 10 - Security

Section 1 - Security Models

Lab 14 - Establishing Security

Section 2 - BulletProofing the Application

Module 11 - Application Backup

Section 1 - Application Backup