2017 Wonderware Training Course Catalog

Life Is On

Wonderware®
by Schneider Electric

Wonderware – Powering the Industrial World

Wonderware is the market leader
in real-time operations management software.
Wonderware software solutions enable companies to
synchronize production and industrial operations with
business objectives, obtaining the speed and flexibility
to attain sustainable profitability.

Wonderware delivers significant cost reductions
associated with designing, building, deploying, and
maintaining secure and standardized applications for
manufacturing and infrastructure operations.

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World-Class Training

Wonderware Training offers comprehensive, world-class courses that match the power and excellence of Wonderware software. Since 1991, thousands of customers have been trained in the use of Wonderware products. We are committed to delivering intensive educational programs that teach customers how to use Wonderware software to design and develop solutions for their specific business needs.

Additionally, Wonderware follows strict guidelines and standards to provide Continuing Education Units (CEUs) for all courses.

Wonderware Training Opportunities

Wonderware Training pushes beyond traditional classroom settings with innovative training products in a wide variety of media, including eLearning and virtual learning opportunities. As Wonderware adds new components to our products, Wonderware Training will provide the courses and programs critical to the educational needs of our customers.

To attend training, you can:

- Attend training courses at our state-of-the-art training facility in Lake Forest, CA or at regional Certified Training Provider locations

- Join instructors and other students in virtual classrooms where you attend from your own location

- Access eLearning at your convenience from your own location

- Arrange on-site customer training programs at your location

Certified Training Provider centers go through rigorous certification processes to ensure their ability to effectively train customers using Wonderware training materials. Whether you take a class at our Lake Forest, CA facility or at a Certified Training Provider location, you will receive the same high level of instruction, training material, and professional attention.

Visit the Contact Training page on our website for directions to our Wonderware Training headquarters in Lake Forest, CA or to find Certified Training Providers near you.

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Wonderware Course Delivery Types

To teach you how to use Wonderware software products, Wonderware Training provides courses in a variety of delivery formats to match your learning needs.

Instructor-Led Training

Accelerate learning by attending full-product courses, either face-to-face or virtually. Class offerings include courses in traditional and virtual instructor-led formats, with lectures and hands-on labs to practice and reinforce concepts and procedures.

- **Traditional instructor-led training:** You can attend instructor-led courses at our Lake Forest, CA training facility, at your site, or at a local Certified Training Provider location.
  Click here for a direct link to register for Wonderware Instructor-Led Courses.

- **Virtual training:** You can join instructors and other students in instructor-led training courses from your own location via an Internet-based virtual classroom that includes access to Wonderware software.
  Click here for a direct link to register for Wonderware Virtual Instructor-Led Courses.

Upon request, students can attend virtual training courses in person in our Lake Forest, CA facility. Please contact us to inquire about attending a virtual course in person.

eLearning

Accelerate learning when it's convenient for you with one of our online training options. Wonderware Training offers full-product online courses, as well as topic-specific modules, in self-paced formats. Our eLearning courses are available at your convenience, on-demand and 24/7 for a defined access period, to help you get the training you want without the need to travel.

- **eLearning modules:** Individual eLearning modules contain recorded lectures and software demonstrations about specific topics and features. Most contain knowledge checks that provide instant feedback to test your understanding of the concepts as you follow the course. Customer FIRST program members have access to many of our eLearning modules at no charge. Click here for a direct link to register for Wonderware eLearning modules.

- **eLearning curriculums:** These are bundles of related eLearning modules that provide structured lesson plans for specific products, and are a good starting point for individuals with little or no product experience. The overall cost of an eLearning curriculum is lower than purchasing the eLearning modules separately. Plus, curriculums offer streamlined registration: Registering for one curriculum provides access to all of the eLearning modules in that curriculum.
  Click here for a direct link to register for a Wonderware eLearning Curriculum.

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Wonderware Training Course Prerequisites

Some Wonderware training courses have no required or recommended prerequisites. However, this is not the case for the majority of our courses, which require knowledge of certain topics or other Wonderware products. Course prerequisites are explicitly listed for each course in the Wonderware course registration system.

Before registering for a course, please be sure to review the list of prerequisites to ensure that you have the knowledge and skills required or recommended for optimal success.

Registration and Contact Information

Visit the Wonderware Training website for more information about our training programs, the current Wonderware training schedule, and to register for classes.

Or, you can contact us at:

Wonderware Training Headquarters
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Courses by Product

The following sections list Wonderware courses by product.

ALARM ADVISOR

eLearning Courses

Alarm Adviser *(applies to version 2014 R2)*

The Alarm Adviser training is composed of four sequential videos from 5 to 20 minutes each. Topics include: overview of Wonderware Alarm Adviser capabilities, installation and configuration of the software, and in-depth training on configuration, dashboards, and alarm analysis. Several demos and examples are provided. **60 MINUTES**

Alarm Adviser 2014 R2 SP1

The Alarm Adviser 2014 R2 SP1 training is a web-based training that provides an overview of Alarm Adviser 2014 R2 SP1. Installation, configuration, dashboards, and analytics are discussed. **40 MINUTES**

APPLICATION SERVER

Instructor-Led Courses

Application Server 2014 R2 SP1

Location: Lake Forest, CA and Virtual

The Application Server 2014 R2 SP1 course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware Application Server. This course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use the ArchestrA tools and services in System Platform for plant modeling.

The class will demonstrate how to use Wonderware Application Server to utilize the ArchestrA technology to connect to field devices, process data, run scripts, handle alarms, and historize alarms and events. This is achieved using features and functionality such as automation objects, templates, instances, the ArchestrA Integrated Development Environment (IDE), and the QuickScript .NET scripting engine.

This course also provides a fundamental understanding of Galaxy maintenance, real-time alarm recording and security settings, and how to set up redundancy. **4 DAYS**

What's New in Application Server 2017

Location: Lake Forest, CA and Virtual

The What's New in Application Server 2017 course is an instructor-led class designed to provide an overview of new features and functionalities released with Application Server 2017. It covers overall improvements in Application Server, as well as new features such as Object Wizards, Visual Build, and Linked Symbols. Hands-on labs are provided to reinforce the knowledge necessary to use the new features. **1 DAY**

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eLearning Courses

Alarm Logging *(applies to version 2014 R2)*

Alarm Logging explains how alarms and events from Application Server are logged with Historian Server, compares logging alarms and events to the A2ALMDB SQL Server database versus Historian Server proprietary history blocks, demonstrates how to display historical alarms and events using the Alarm Client Control, and explains how to migrate alarm and event data from the A2ALMDB database to history blocks.

It also includes video demonstrations to reinforce some key concepts, such as displaying historical alarms and events in the Alarm Client Control and migrating alarm and event data from the A2ALMDB database to history blocks. **40 MINUTES**

Alarm Logging 2014 R2 SP1

Alarm Logging 2014 R2 SP1 is an eLearning course that explains how alarms and events from Application Server are logged with Historian Server, compares logging alarms and events to the A2ALMDB SQL Server database versus Historian Server proprietary history blocks, demonstrates how to display historical alarms and events using the Alarm Client Control, and explains how to migrate alarm and event data from the A2ALMDB database to history blocks.

It also includes video demonstrations to reinforce some key concepts, such as displaying historical alarms and events in the Alarm Client Control and migrating alarm and event data from the A2ALMDB database to history blocks. **40 MINUTES**

Alarm Modes

Alarm Modes describes the concepts of alarm modes, alarm inhibit, and alarm plant states, and explains how to apply these features in Application Server. This course also describes how to configure alarm plant states in the ArchestrA IDE and shows how to use them at runtime.

It also includes video demonstrations to reinforce some key concepts, such as changing alarm modes and inhibiting alarms at runtime, and managing alarms through alarm plant states. **64 MINUTES**

Alarm Severities

Alarm Severities explains how to use ArchestrA alarm aggregation features to obtain alarm severity information at runtime. It focusses on how to configure alarm severities and alarm aggregation, visualize alarm severities with alarm border animation, and use situational awareness symbols to visualize alarm information.

It also includes video demonstrations to reinforce some key concepts, such as mapping alarm severities to alarm priorities, monitoring alarm severities at runtime, and displaying alarm severity status through situational awareness symbols. **65 MINUTES**

Alarm Shelving

Alarm Shelving explains how to use the alarm shelving feature of System Platform, and shows how to apply it to enhance alarm management efficiency. This course explains configurations for enabling alarm shelving, demonstrates using the ArchestrA Alarm Control

to shelve and unshelve alarms at runtime, describes alarm shelving-related attributes, and demonstrates displaying alarm shelving information in alarm borders.

It also includes video demonstrations to reinforce some key concepts, such as configuring alarm shelving, shelving alarms from the ArchestrA Alarm Control, using alarm shelving attributes, and displaying alarm borders for the most urgent shelved alarms. **75 MINUTES**

Alarms Overview

Alarms Overview introduces basic concepts about alarms and events and explains how alarms and events are handled in Application Server. It shows how to enable and configure alarm and event features in automation objects and describes alarm runtime behaviors. This course also explains how to use the Alarm Client Control to display live alarms and events, as well as query and manage alarm and event records.

It also provides video demonstrations to reinforce some key concepts, such as configuring alarms in Application Server and displaying live alarms and events at runtime with the Alarm Client Control. **84 MINUTES**

Application Models

Application Models is an eLearning course that explains the Plant model and the Deployment model. Video lectures and demonstrations are provided to enhance your knowledge of the subject. **45 MINUTES**

Application Objects Containment

Application Objects Containment is an eLearning course that explains what containment is, how containment works, how containment relationships between Application Objects are used to define groups of objects, and how those groups can be used for scripting in the ArchestrA IDE. Additional considerations when using containment are also discussed. **35 MINUTES**

Application Redundancy

Application Redundancy is an eLearning course that explains basic terms and concepts about setting up and configuring application redundancy in Application Server. The course introduces supported redundancy solutions, demonstrates how to configure application redundancy, and shows runtime behaviors when failover occurs. This course is presented in the form of recorded lectures and demonstrations. **45 MINUTES**

Application Server 2012 R2 Recorded Instructor-Led Training

The Application Server 2012 R2 recorded instructor-led class is designed to provide a fundamental understanding of the features and functionality of Wonderware Application Server. This course consists of recorded presentations and lab demonstrations of the training material presented in the live class to reinforce the knowledge necessary to use the ArchestrA tools and services in the System Platform for plant modeling. The class demonstrates how to use Wonderware Application Server to utilize the ArchestrA technology to connect to field devices, process data, run scripts, handle alarms, and historize alarms and events. This is achieved using features and functionality such as Automation Objects, templates, instances, the ArchestrA Integrated Development Environment (IDE), and the QuickScript .NET scripting engine. **13 HOURS, 20 MINUTES**

Application Server 2014 R2 eLearning Curriculum

The Application Server 2014 R2 eLearning curriculum is a collection of eLearning courses designed to provide a fundamental understanding of the features and functionality of Wonderware Application Server.

The curriculum provides the knowledge necessary to use the ArchestrA tools and services, such as automation objects, templates, instances, the ArchestrA Integrated Development Environment (IDE), and the QuickScript .NET scripting engine for modeling of plants/sites and manufacturing processes.

The curriculum will demonstrate how to use Wonderware Application Server to utilize the ArchestrA technology to connect to field devices, process data, run scripts, handle alarms, and historize alarms and events. It also provides a fundamental understanding of Galaxy maintenance, real-time alarm recording, security settings, and how to setup redundancy. As you progress through the curriculum, you are guided through setup, layout, and best practices. Video demonstrations reinforce concepts and features. **21 HOURS OF INSTRUCTION**

Application Server 2014 R2 eLearning Curriculum Courses	
1	Introduction to Application Server
2	The ArchestrA IDE
3	Automation Objects Overview
4	Application Models
5	The Runtime Environment
6	Object I/O Access
7	Unified Attribute Name Space
8	Change Control and Propagation
9	Application Objects Containment
10	Alarms Overview
11	Alarm Modes
12	Alarm Severities
13	Alarm Shelving
14	Alarm Logging
15	Historizing Attributes and Trending
16	Exporting and Importing Objects
17	Galaxy Dump and Galaxy Load
18	Platform Manager
19	Backing Up and Restoring a Galaxy
20	ArchestrA Logger
21	Galaxy Security
22	Application Redundancy
23	Device Integration Redundancy
24	ArchestrA Scripting Introduction

Application Server 2014 Web-Based Training

The Application Server 2014 Web-Based Training course is designed to provide a fundamental understanding of the features and functionality of Wonderware Application Server. This course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use the ArchestrA tools and services in the System Platform for plant modeling.

The class will demonstrate how to use Wonderware Application Server to utilize the ArchestrA technology to connect to field devices, process data, run scripts, handle alarms, and historize alarms and events. This is achieved using features and functionality such as Automation Objects, templates, instances, the ArchestrA Integrated Development Environment (IDE), and the QuickScript .NET scripting engine.

This course also provides a fundamental understanding of Galaxy maintenance, real-time alarm recording and security settings and how to setup redundancy.
8 HOURS, 55 MINUTES

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Application Server: Complex Containment vs. Complex Objects

Application Server: Complex Containment vs. Complex Objects explains how to define the most effective quantity of objects to represent a process. The equipment and object quantity mix should always be a major consideration of application design. This course uses a Tank System and a User Defined Object used as a container to test the different efficiencies of various application designs. **60 MINUTES**

ArchestrA Bulk Import Utility

The ArchestrA Bulk Import Utility seminar gives an overview of the capabilities and use of the ArchestrA Bulk Import Utility. This utility is used to transform tag definitions from an existing HMI application, such as InTouch HMI software, into a Wonderware Application Server object structure. This allows migration of an existing tag structure and parameters into a Galaxy, saving considerable engineering time and effort. Seminar subjects will include general configuration and operation, how to import from an InTouch application, and how to import from general CSV and XML files. This session is intended for current Application Server users, as well as potential users, such as those current InTouch users considering migration to an Application Server Galaxy. **60 MINUTES**

The ArchestrA IDE

The ArchestrA IDE eLearning is an eLearning course designed to familiarize you with the ArchestrA IDE (Integrated Development Environment) views, toolboxes, menus, and main features. **60 MINUTES**

ArchestrA Logger

The ArchestrA Logger eLearning training module explains the various ways a user can take advantage of the ArchestrA Logger to troubleshoot their SCADA system. This course is presented in the form of recorded lectures and video demonstrations. **30 MINUTES**

ArchestrA Scripting Introduction

ArchestrA Scripting Introduction is an eLearning course that introduces basic concepts of using QuickScript .NET in Application Server, explains how to use the scripting editor to create scripts in automation objects, and demonstrates how to apply scripts to a Galaxy in some examples. **1 HOUR, 38 MINUTES**

ArchestrA Sequencer Object

The ArchestrA Sequencer Object online seminar discusses how to configure and use the ArchestrA Sequencer Object. The Sequencer Object is a new functional component for the Wonderware Application Server which coordinates tasks that must be executed in a certain sequence or order of operations. These operations can be associated with attributes from multiple application objects running within a Wonderware Application Server Galaxy. **60 MINUTES**

ArchestrA SQLData Object

This course is designed to provide the participant with a fundamental understanding of the SQLData Object. The SQLData Object is part of the ArchestrA SQLData Components, which include the SQLDataGrid ArchestrA Graphic Symbol, the SQLData Object and the SQLData Script Library. This online seminar is part of a series that covers all three of the ArchestrA

SQLData Components. The SQLData Object is an ArchestrA application object that can be used to store data to, and retrieve data from a SQL Server database. The SQLData Object provides the means to map data in a SQL Database to attributes in a Galaxy. **60 MINUTES**

ArchestrA SQLData Script Library

The ArchestrA SQLData Script Library online seminar is designed to provide the participant with a fundamental understanding of the ArchestrA SQLData Script Library. The ArchestrA SQLData Script Library is part of the ArchestrA SQLData Components, which include the SQLData Object, the ArchestrA SQLDataGrid Symbol and the SQLData Script Library. This online seminar is part of a series that covers these three ArchestrA SQLData Components. The ArchestrA SQLData Script Library provides the Wonderware System Platform with database integration using ArchestrA scripting. This session discusses the use of methods and properties provided by the library to enable scripting of complex SQL operations, including asynchronous execution, transaction support, and advanced diagnostics. **90 MINUTES**

Automation Objects Overview

Automation Objects Overview is an eLearning training course that provides an overview of the out-of-the-box object templates included with Application Server, and explains how they are used in the ArchestrA IDE. **40 MINUTES**

Autosave for System Platform 1.0 End-User Training

The AutoSave System Platform course provides an overview of A4SP software, which is used for enhanced change management for the Wonderware System Platform.

The course includes lab demonstrations that supply and reinforce the knowledge needed to install, configure, use, and maintain the A4SP software. **60 MINUTES**

Backing Up and Restoring a Galaxy

Backing Up and Restoring a Galaxy is an eLearning course that discusses the concepts of backup and restore, how these functions are paired, and for Application Server, performed through the System Management Console (SMC). How to perform a Galaxy backup and the different ways to restore a Galaxy are discussed. **30 MINUTES**

Change Control and Propagation

The Change Control and Propagation training is an eLearning course that introduces the attribute locking and unlocking feature, and explains how to use this feature to control changes in derived objects. Demonstrations are included to describe how to use the locking and unlocking features of attributes in the ArchestrA IDE, and how locking attributes affects how changes are propagated from parent objects to their children. **55 MINUTES**

Device Integration Redundancy

Device Integration Redundancy is an eLearning course that explains basic concepts about setting up and configuring device integration redundancy in Application Server. It defines fundamental terminology related to device integration redundancy and demonstrates how to configure device integration redundancy in a Galaxy. It also demonstrates runtime behaviors when failover occurs in a redundant device integration environment and shows how to manually force a failover. **44 MINUTES**

Embedded Symbols with Containment

The Embedded Symbols with Containment training explains how to create a graphic symbol template and embed symbols in the ArchestrA Integrated Development Environment and InTouch. **5 MINUTES**

Exporting and Importing Objects *(applies to version 2014 R2)*

Exporting and Importing Objects is an eLearning course that explains the basics of exporting and importing objects within the ArchestrA IDE. This course addresses how to export single objects, including embedded graphics from the Graphic toolbox, how to export all graphics in the Graphic toolbox, and importing objects, templates, and instances. **28 MINUTES**

Exporting and Importing Objects 2014 R2 SP1

Exporting and Importing Objects 2014 R2 SP1 is an eLearning course that explains the basics of exporting and importing objects within the ArchestrA IDE. This course addresses how to export single objects, multiple objects, including embedded graphics from the Graphic toolbox, how to export all objects in a Galaxy, and importing objects, templates, and instances. Additionally, it discusses importing a different version of an object, how protected objects can allow corporate standards, and the type of protected objects. **30 MINUTES**

Galaxy Backup and Restore

The Galaxy Backup and Restore training explains how to backup and restore a Galaxy in the ArchestrA IDE. **5 MINUTES**

Galaxy Backup with Scripting

The Galaxy Backup with Scripting training explains how to automatically back up a Galaxy using the Galaxy Backup utility and Windows Task Scheduler. **4 MINUTES**

Galaxy Dump and Galaxy Load

Galaxy Dump and Galaxy Load is an eLearning training course that discusses why and in what situations a Galaxy Dump and a Galaxy Load is used, as well as demonstrates how to use this functionality of the ArchestrA IDE. **15 MINUTES**

Galaxy Security

Galaxy Security is an eLearning course that introduces concepts about ArchestrA security and explains authentication modes, general and operational permissions, and the security audit trail. It also explains security classifications in automation objects and their relationship with operational permissions.

Demonstrations are provided that show how to configure security in the ArchestrA IDE, how ArchestrA handles security in both the development and runtime environments, how to configure security classifications in automation objects, and how to get security audit information from the Alarms and Events database. **2 HOURS, 25 MINUTES**

Historizing Attributes and Trending

Historizing Attributes and Trending is an eLearning course that introduces the basic concepts of historizing attributes in Application Server, including configuring attributes with the History

feature, enabling storage to Historian Server, and visualizing historical data through the Historian Client Trend .NET control. **61 MINUTES**

Introduction to Application Server

The Introduction to Application provides an overview of Wonderware Application Server. A demonstration is provided to reinforce the information presented in this course**. 50 MINUTES**

Multi-Galaxy Communications

The Multi-Galaxy Communications course explains how to access multiple Galaxies by using the ArchestrA Service Bus. Live demonstrations are included to increase your knowledge of these tools and processes. **30 MINUTES**

Object I/O Access

Object I/O Access provides explanations and demonstrations of the Automatic IO Binding feature introduced in Application Server 2014 R2. This course includes the following topics: What is Automatic I/O Binding, How I/O Auto Assignment (Automatic IO Binding) is different from assigning attribute I/O addresses manually, and using IO Devices and IO Device Mapping panes in Application Server**. 60 MINUTES**

Object I/O Assignment through Scripting

The Object I/O Assignment through Scripting training explains how to assign I/O objects using scripts. A demonstration is provided to enhance your knowledge of this subject**. 30 MINUTES**

Platform Manager

Platform Manager explains what the Platform Manager is and how to use it. **30 MINUTES**

Rearranging the Derivation Tree

Rearranging the Derivation Tree training video explains how to take an object created with one template and apply a different template to that object in the ArchestrA IDE. **5 MINUTES**

Remote Response Objects

This seminar provides an overview of the capabilities and use of Wonderware Remote Response Objects 1.0. The two Remote Response Objects work together to send alarms from ArchestrA objects as e-mail and/or SMS messages. Clients receiving these alarms can reply and acknowledge the alarms via e-mail clients and mobile phones. These objects provide the capability of instant, up-to-date remote alarm notifications from the Galaxy with detailed configurable alarm information and flexible response methods. This effectively exposes process, manufacturing, and SCADA alarm information from the Galaxy to remote operators and managers. Seminar subjects will include system requirements and installation, general configuration and operation, and a simple demonstration/tutorial of how to quickly set up a test application for the Remote Response Objects**. 60 MINUTES**

The Runtime Environment

The Runtime Environment is an eLearning course that explains the Runtime Environment and the Object Viewer. This includes using Object Viewer as a diagnostic tool to monitor how

applications are running your application objects and how to modify their attribute values. You will then create, rename, and save watch lists. **60 MINUTES**

Understanding the Application Engine

The Understanding the Application Engine training explains the Application Engine, configuration options, tuning, and best practices. Subjects covered include scan states, process order, interrupts, and performance ratio. **60 MINUTES**

Unified Attribute Name Space Rev B

The Unified Attribute Name Space course is an eLearning course that provides explanations and demonstrations of the Attribute tab introduced in Application Server 2014 R2. This course includes the following topics: Attributes and what they are used for; differences in attributes before and after Application Server 2014 R2; Features of the Attribute such as Data Type, Description, Alarms, I/O, History, Diagnostics; creating, duplicating, and deleting attributes; definitions of the Security and Lock options; and a thorough explanation of the Attribute Name List including the icon indicators and filter capabilities. **30 MINUTES**

Upgrading UDAs, Extensions, and Field Attributes to Attributes

Upgrading UDAs, Extensions, and Field Attributes to Attributes explains how to upgrade objects with User Defined Attributes and extensions, as well as upgrade User Defined Objects with Field Attributes to Application Server 2014 R2 Patch 1 or later. The course discusses and provides a demonstration of the way attributes are defined in Application Server and describes the Attributes tab as it relates to the User Defined Attributes and Field Attributes in Legacy versions. **30 MINUTES**

Wonderware ArchestrA Reusable Objects

The Wonderware ArchestrA Reusable Objects online seminar provides the participant with a fundamental understanding of how to create objects in the Wonderware Industrial Application Server product that gather information from their containers. The concept of reusable objects is covered along with examples of simple data gathering objects and their usage. A sample Averager object is demonstrated and a technique is shown that allows the developer to set the execution order between objects. **25 MINUTES**

DEVICE INTEGRATION

eLearning Courses

Setting Up Communications with the ABCIP DAServer

Setting Up Communications with the ABCIP DAServer explains how to set up a DAServer using the Allen Bradley ControlLogix PLC through Ethernet (ABCIP). **5 MINUTES**

Setting Up Communications with the MBTCP DAServer

Setting Up Communications with the MBTCP DAServer explains how to set up a DAServer using the Modbus PLC through Ethernet (MBTCP). **5 MINUTES**

Using FactorySuite Gateway

Using FactorySuite Gateway introduces the functionality, configuration, and troubleshooting of the FactorySuite Gateway, whose primary function is protocol conversion. FactorySuite Gateway can be used to link clients and data sources that communicate using different data access protocols. FactorySuite Gateway allows Windows application programs access to data from a variety of data sources. The supported protocols of these data sources are OPC, SuiteLink, DDE, FastDDE, and ArchestrA Message Exchange (MX). FactorySuite Gateway provides features such as the ability to communicate over multiple application-level protocols at the same time; the ability to add new application-level protocols on the fly; remote configuration; and robust diagnostic capabilities. **60 MINUTES**

HISTORIAN

Instructor-Led Courses

Historian Client 2014 R2

Location: Virtual

The Wonderware Historian Client course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of the Wonderware Historian Client software. The course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Wonderware Historian Client.

The Wonderware Historian Client trending, analysis, and reporting software offers a suite of data analysis and reporting clients that maximize the value of data stored on Wonderware Historian. Wonderware Historian Client enables individuals at all levels of an organization to easily access plant- and process-related data through simple point-and-click dialog boxes. **2 DAYS**

Historian Server 2014 R2 Rev B

Location: Virtual

The Historian Server 2014 R2 Rev B course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware Historian Server for both Application Server and InTouch tag-based applications.

The course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Wonderware Historian Server for SCADA and factory data. This includes how to configure, historize, and retrieve data using multiple retrieval modes, local and remote summarization, replication, event monitoring, and other features. **2 DAYS**

eLearning Courses

Backing up the Historian Databases

Backing up the Historian Databases explains how to back up Historian databases.
6 MINUTES

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Historian 10.0 Store and Forward Options

This course is designed to provide the participant with a fundamental understanding of the following three implementations of Store and Forward functionality within Wonderware Historian 10.0: Store and Forward within the context of working with a remote IDAS node; Store and Forward with Wonderware System Platform; and Store and Forward capabilities with a Tier-2 Historian. **60 MINUTES**

Historian Client 2014 Web-Based Training

The Wonderware Historian Client Web-Based Training course is a recorded instructor-led training designed to provide you with a fundamental understanding of the Wonderware Historian Client suite of tools.

The Wonderware Historian Client trending, analysis, and reporting software offers a suite of data analysis and reporting clients that maximize the value of data stored on Wonderware Historian. Wonderware Historian Client enables individuals at all levels of an organization to easily access plant and process-related data through simple point-and-click dialog boxes.

This course consists of recorded presentations, lab demonstrations of the training material, and interactive training simulations. The videos are best viewed with a screen resolution of 1280 x 1024.

This course is accompanied by the training manual, which contains all of the written steps for the labs. **4 HOURS, 39 MINUTES**

Historian Server – Data Retrieval Modes

Historian Server - Data Retrieval Modes is an eLearning course that explains how to use SQL queries to integrate the retrieval mode options and time domain extensions in Historian to retrieve historical data. The queries will demonstrate the Cyclic, Delta, Full, and BestFit retrieval modes. Query options for resolution control, data filtering, edge detection, time and state retrieval, and other advanced query features will also be explained. **60 MINUTES**

Historian Server – Data Retrieval Subsystem Overview

Historian Server - Data Retrieval Subsystem Overview is an eLearning course that explains the basics of how to retrieve Historian data by executing SQL queries. The course will explain the connection between SQL Server tables and the Historian extension tables, demonstrate how to query live and historical data, and describe how to return data in both wide and narrow formats. **30 MINUTES**

Historian Server – Historizing Data from Application Server

Historian Server – Historizing Data from Application Server is an eLearning course that explains how Historian Server integrates with Application Server. Using lectures and demonstrations, this course will describe how to configure Galaxy platforms, engines, and object attributes for historization and how to monitor Galaxy data acquisition. **30 MINUTES**

Historian Server – Historizing Data from InTouch Applications

Historian Server – Historizing Data from InTouch Applications is a 30-minute eLearning course that explains how Historian Server works with a tag-based InTouch application to historize its I/O, memory, and system tags. Using lectures and demonstrations, this course will describe the different Historian storage modes and explain how to use Historian's Tag

Import Wizard, manually edit Historian tags, and monitor Historian's data acquisition.
30 MINUTES

Historian Server – Historizing Directly from a Data Source

Historian Server - Historizing Directly from a Data Source is an eLearning course that explains how Historian Server can be used to historize data directly from a data source other than Application Server or InTouch. Using lectures and demonstrations, this course will describe how to configure an IDAS connection to a Wonderware DA Server, manually create a tag in Historian, use the different Historian storage modes, and monitor Historian's data acquisition from the data source**. 30 MINUTES**

Historian Server – Manual Data Input

Historian Server - Manual Data is an eLearning course that explains how to manually work with Historian data. It describes the Historian data categories and discusses the different methods for inserting and updating data. The training also explains how to retrieve original data records, as well as revision data. **30 MINUTES**

Historian Server 2014 for System Platform WBT

The Historian Server 2014 for System Platform Web-Based Training course is designed to provide a fundamental understanding of the features and functionality of Historian Server for System Platform applications. This course will demonstrate how to use Historian Server for SCADA and factory data, and how it integrates with ArchestrA technology to extend the capabilities of System Platform applications. This includes how to configure, historize, and retrieve Application Server data using multiple retrieval modes, local and remote summarization, replication, event monitoring, store-and-forward, redundancy, and other features.

This course consists of recorded presentations and lab demonstrations of the training material presented in a live class. The videos are best viewed with a screen resolution of 1280 x 1024.

This course is accompanied by the training manual, which contains all of the written steps for the labs, as well as student files to support the labs. **5 HOURS, 38 MINUTES**

Historian Server Configuration

Historian Server Configuration 2014 R2 SP1 is an eLearning course that describes the Historian Server plug-in within the ArchestrA System Management Console. It provides an overview of its interface and explains how to register and start and stop Historians. This course describes Historian options and system parameters**. 90 MINUTES**

Historian Server IDAS Failover and Alternate Server

Historian Server IDAS Failover and Alternate Server explains how to use the Wonderware Historian Data Acquisition Subsystem (IDAS) and alternate server for failover with Historian Server. Software demonstrations are provided to enhance your knowledge of the concepts presented in this course.

This course uses a Historian environment that acquires data from I/O servers and DA Servers in an InTouch tag-based system, not a SCADA system. **20 MINUTES**

Introduction to Historian Server Rev B

Introduction to Historian Server Rev B is an eLearning course designed to introduce and familiarize learners with Historian Server. This course provides an overview of Historian Server and discusses its major components and features, including reporting and data analysis. **45 MINUTES**

INBATCH

Instructor-Led Courses

InBatch 2012

Location: Virtual

The InBatch 2012 course is an 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. **4 DAYS**

INDUSTRY SOLUTIONS

eLearning Courses

Line Performance Suite

Line Performance Suite is an eLearning course that introduces the Line Performance Suite, including the basic features provided with Line Performance, design and architectural concepts, and licensing information. It explains how to install and configure Line Performance, as well as use it in runtime and integrate it with existing solutions. **2 HOURS, 15 MINUTES**

INFORMATION SERVER

Instructor-Led Courses

Information Server 2014 R2

Location: Virtual

The Information Server 2014 R2 course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware Information Server 2014 R2. This course provides lectures and hands-on labs designed to provide an

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early learning experience. The class will demonstrate how to use Information Server to set up and configure your web portal, develop an Information Server system to retrieve and monitor the plant-wide production information, organize the information into various effective and well-designed formats, and manage the access security to the information. **3 DAYS**

eLearning Courses

Information Server 2012: ActiveFactory Reporting Website

Information Server 2012: ActiveFactory Reporting Website is designed to provide you with the knowledge to administer, customize, and manage the creation and execution of reports with data gathered from Wonderware Historian Server.

The purpose of this course is to give you the ability to understand how the Historian Client (formerly ActiveFactory) web tools can be used to report data stored in Historian Server. **60 MINUTES**

Information Server 2012: Administration

Information Server 2012: Administration is designed to provide you with the knowledge to set up, configure, and administer your Information Server 2012 web portal.

The purpose of this course is to give you the ability to understand the interaction of Information Server with the various software components that are needed by the software and to successfully administer and customize the portal. **60 MINUTES**

Information Server 2012: ArchestrA Reports

Information Server 2012 ArchestrA Reports is designed to introduce the commonly used functions of the ArchestrA Reporting component of Information Server.

The purpose of this course is to give you the ability to understand the interaction of Information Server with SQL Server Reporting Services. **60 MINUTES**

Information Server 2012: TableWeaver

Information Server 2012: TableWeaver is designed to provide you with the knowledge to use the TableWeaver components that let you create data displays in your Information Server 2012 web portal.

The purpose of this course is to give you the ability to understand the various components of TableWeaver and create various types of displays to your database or web pages. **60 MINUTES**

Information Server 2012: Visualization Integration

Information Server 2012: Visualization Integration is designed to describe the tools and steps necessary to publish your InTouch windows and ArchestrA graphics onto an Information Server web portal for Internet viewing.

The purpose of this course is to give you the ability to understand the different kinds of process displays that can be published to an Information Server 2012 portal, and how the portal Administrator can allow the interaction of the published content with the process. **60 MINUTES**

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Information Server: OverView

Information Server: OverView provides lectures and demonstrations on the new features in the Information Model and OverView. This course includes details on how to use the Information Model Configuration Tool, construct an Information Model using multiple data sources, data items, and build relationships as sub-components that can then be viewed using OverView as a web client tool. **1 HOUR, 45 MINUTES**

INTELATRAC

Instructor-Led Courses

IntelaTrac 2014 R2 for Super Users Rev D

Location: Virtual

The IntelaTrac 2014 R2 for Super Users Rev D Virtual Instructor-Led Training is an instructor-led class that provides lectures and hands-on labs designed to provide a basic understanding of Wonderware IntelaTrac Software. IntelaTrac is a suite of configurable software and ruggedized mobile hardware products that provides workflow management, procedural and general task management capabilities typically focused around plant operations, maintenance management, and production tracking and compliance applications to mobile field workers. This course addresses the fundamental concepts of setting up security and bases, creating groups and users, creating data filters, setting up assets, and developing and working with shifts and schedules. **3 DAYS**

INTELLIGENCE

Instructor-Led Courses

Intelligence 2014 R3 Rev C

Location: Virtual

This Intelligence course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Intelligence 2014 R3. The class provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Intelligence to access, aggregate, contextualize (provide relationships), and visualize plant data from disparate data sources. This course addresses the configuration of the main Intelligence elements to deploy and execute the Intelligence model. It also covers the client tools used for content authoring, visualization, sharing, and collaboration. **2 DAYS**

INTOUCH

Instructor-Led Courses

InTouch 2014 R2 SP1

Location: Lake Forest, CA and Virtual

The tag-based InTouch 2014 R2 SP1 course is an instructor-led class focused on Modern InTouch application design. The course provides a fundamental understanding of the basic principles of the Wonderware visualization module and the steps to develop a Human Machine Interface (HMI) system for your specific plant floor. You are guided through setup, layout, best practice concepts, features, and functions of the InTouch software. Hands-on labs reinforce concepts and features. **5 DAYS**

eLearning Courses

ArchestrA Alarm Control for InTouch 10.1

The ArchestrA Alarm Control for InTouch 10.1 online seminar gives an overview of the capabilities and use of the new Alarm Control to display alarms from an InTouch Application. Seminar subjects will include a review of InTouch Alarming, an overview of the new ArchestrA Alarm Control, how to configure live and historical alarms for visualization, and an overview of basic scripting. This seminar is applicable to InTouch 2012. **20 MINUTES**

ArchestrA Symbol Editor

You can find this course in the registration system with the InTouch for System Platform courses.

The ArchestrA Symbol Editor course explains the basic methods and components of creating and editing an ArchestrA symbol for both System Platform and tag-based InTouch applications. The main focus of this course is on the drawing and organization tools available within the Symbol Editor, presented in slides, recorded lectures, and demonstrations. **90 MINUTES**

Backing Up a Tag-Based InTouch Application

Backing Up a Tag-Based InTouch Application explores and demonstrates the methods of backing up and restoring tag-based Modern and legacy InTouch applications. All appropriate methods of backup are addressed: the export and import functions of modern applications, and file copy and the publish function of legacy applications. **20 MINUTES**

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Benefits of Managed InTouch Applications

The Benefits of Managed InTouch Applications webinar provides presentations and demonstrations to help tag-based InTouch designers leverage the power of the ArchestrA Integrated Development Environment (IDE) as a replacement for the InTouch Application Manager. The webinar will describe the knowledge needed to use the ArchestrA IDE to create, back up, restore, and deploy their tag-based InTouch applications in a multi-developer environment with self-documenting audit trails and version tracking. The webinar will illustrate how to take full advantage of Managed InTouch Applications, including access to the ArchestrA Graphic Toolbox – a centralized library of reusable industrial graphics, which can be embedded in their tag-based InTouch designs. **60 MINUTES**

Element Styles *(applies to version 2014 R2)*

Element Styles is an eLearning course that explains the Element Styles that are available in the ArchestrA Symbol Editor and shows how they are applied to enhance your application at runtime. This course will demonstrate how to configure predefined Element Styles, as well as user-defined Element Styles, how to apply Element Styles, and how to configure Element Style animations. **30 MINUTES**

Element Styles 2014 R2 SP1

Element Styles 2014 R2 SP1 is an eLearning course that explains the Element Styles that are available in the ArchestrA Symbol Editor and shows how they are applied to enhance your application at runtime. This course will demonstrate how to configure predefined Element Styles, as well as user-defined Element Styles, how to apply Element Styles, and how to configure Element Style animations. Additionally, a discussion on how to export and import Element Styles is included. **35 MINUTES**

How to Use InTouch QuickFunctions

How to Use InTouch QuickFunctions is an eLearning course that explains the configuration and use of QuickFunctions in InTouch scripting. **18 MINUTES**

How to Use Situational Awareness Polar Stars

How to Use Situational Awareness Polar Stars is an eLearning course that describes the polar star symbols available in the ArchestrA Situational Awareness Library and explains how to configure and use them in InTouch applications. **11 MINUTES**

How to Use the Situational Awareness Bullet Graph Symbol

How to Use the Situational Awareness Bullet Graph Symbol is an eLearning course that describes the bullet graph symbol available in the ArchestrA Situational Awareness Library. It also explains how to configure and use it in InTouch applications. **11 MINUTES**

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InTouch 2014 R2 eLearning Curriculum

The tag-based InTouch 2014 R2 eLearning curriculum is a collection of eLearning courses focused on Modern InTouch application design.

The curriculum provides a fundamental understanding of the Wonderware InTouch software, the usage of ArchestrA symbols, the ArchestrA Symbol Editor, the Situational Awareness philosophy, the Situational Awareness Library, and scripting.

As you progress through the curriculum, you are guided through setup, layout, best practices, concepts, features, and functions of the InTouch software.

Video demonstrations reinforce concepts and features. **17 HOURS OF INSTRUCTION**

	InTouch 2014 R2 eLearning Curriculum Courses
1	Introduction to InTouch
2	InTouch Windows and Navigation
3	InTouch Tags
4	InTouch I/O Access
5	ArchestrA Symbol Editor
6	Using ArchestrA Symbols with InTouch Tags
7	Element Styles
8	Symbol Construction Using the Graphic Library
9	Symbol Construction Using Graphic Tools
10	InTouch Alarms
11	InTouch Data Logging and Trending
12	InTouch Scripting Introduction
13	InTouch: ArchestrA Symbol Scripting
14	InTouch Security
15	Backing Up a Tag-Based InTouch Application
16	InTouch Network Application Development

InTouch Alarms *(applies to version 2014 R2)*

InTouch Alarms explains how to implement an alarm strategy for a tag-based InTouch application. The course discusses and provides demonstrations of alarms and events for both analog and discrete tags and explains how to interact with alarms using visualization, acknowledgement, inhibition, and hiding. Students will be able to create a permanent record of alarms using alarm database functions. **2 HOURS**

InTouch Alarms – Alarming Basics *(applies to version 2012)*

The InTouch Alarm Basics Online Seminar is an instructor-led seminar which gives an overview of single node InTouch 10.0 alarming, including alarm/event definition and alarm acknowledgement. Other subjects will include using and configuring the alarm objects, alarm inhibition, and alarm dot fields. This session is intended for the new InTouch User. This seminar is applicable to InTouch 2012. **90 MINUTES**

InTouch Cells and Symbols

The InTouch Cells and Symbols course explores InTouch graphic cells and symbols and demonstrates the key benefits and differences between them. **5 MINUTES**

InTouch Data Logging and Trending

InTouch Data Logging and Trending is an eLearning course that explains the InTouch Historical Logging capabilities and the use of historical wizards. This course will explain how to use these features to record data and to retrieve and view data. Additionally, the Trend Client tool will be used for plotting real-time data and for backfilling the chart within a time range, using InTouch History data. Additional considerations, features, and best practices for InTouch Data Logging and Trending will also be examined. **1 HOUR, 55 MINUTES**

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InTouch Distributed Alarms

InTouch Distributed Alarms is an eLearning course that that explains the InTouch Distributed Alarm System. This course extends the InTouch Alarms eLearning course by covering the distributed networking portion of the InTouch Alarms topic. This course demonstrates the InTouch Distributed Alarm System which allows you to display alarms and events, and acknowledge alarms generated by other networked InTouch applications. **40 MINUTES**

InTouch Distributed History

InTouch Distributed History is an eLearning course that explains how InTouch provides a distributed history system that allows retrieval of historical data from any InTouch application, even those across a network. Additionally, you learn how to use the Distributed Name Manager to create a History Provider and then configure an InTouch Historical Trend to display history data from a History Provider. **30 MINUTES**

InTouch Dynamic Reference Addressing

InTouch Dynamic Reference Addressing is an eLearning course that explains how to switch data sources at Runtime for a Tagname using Dynamic Reference Addressing (DRA). This course explains how to use DRA dot fields .Reference and .ReferenceComplete as well as DRA script functions to monitor and modify the I/O source for Tagnames and Access Names. **30 MINUTES**

InTouch Graphics to ArchestrA Symbols Conversion

The InTouch Graphics to ArchestrA Symbols Conversion online seminar is designed to provide the participant with a fundamental understanding of how SmartSymbols are created and then imported into an ArchestrA Symbol. In this seminar SmartSymbols are reintroduced as a method of taking existing InTouch Graphics that were already developed in earlier versions of InTouch, and incorporating them into ArchestrA Symbols. These new ArchestrA Symbols can then be reused, exported and stored for later application development. No engineering collateral or design configuration is lost in the conversion. **45 MINUTES**

InTouch HMI Alarms: Alarm Databasing

The InTouch HMI Alarms: Alarm Databasing Online Seminar is an instructor-led seminar which gives an overview of the Alarm Databasing functions in InTouch alarming. Subjects will include alarm DB Logger Manager, Alarm Database Viewer, and Alarm Pareto Control. The Wonderware Technical Support website, where downloads and a searchable Knowledgebase is available, will be reviewed, and an opportunity for participants to ask questions will be provided. **90 MINUTES**

InTouch I/O Access

The InTouch I/O Access course provides information on how to acquire tag-based data from remote data sources. You will explore using Wonderware InTouch to connect to remote data sources for data acquisition and supervisory control. The course also includes video demonstrations showing you how to configure InTouch Access Names, create I/O tagnames, and set up a DAS data server.

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Video demonstrations will show how to: Set up a Data Access Server (DAS), Configure InTouch Access Names, Create I/O tagnames, and Check the health of I/O communication and tags. **40 MINUTES**

InTouch I/O Failover

InTouch I/O Failover is an eLearning training course that explains how to set up the InTouch Access Name Failover and to configure failover to a secondary I/O source in the event of a communication failure. This course demonstrates additional scripting using built-in script functions, which can be used to monitor and control I/O failover. **20 MINUTES**

InTouch Legacy Alarm Animations

The InTouch Legacy Alarm Animations training explains how to set up alarm animations based upon discrete and analog data. **10 MINUTES**

InTouch Legacy Distributed Alarm Display

The InTouch Legacy Distributed Alarm Display training explains how to configure the InTouch Legacy Distributed Alarm Display client. **10 MINUTES**

InTouch Network Application Development *(applies to version 2014 R2)*

InTouch Network Application Development (NAD) is an eLearning course that explains how to use the InTouch NAD feature to automatically distribute application updates to plant floor production workstations over a network. This course includes the setup and configuration of NAD, setup of a shared network folder of the master application, adding the master application path to the InTouch Application Manager on runtime nodes, configuring change mode settings of end-user/operator experience, configuration of a local working copy of the application, and notifying clients of application change. This course also includes additional considerations when working with NAD. **35 MINUTES**

InTouch Network Application Development 2014 R2 SP1

InTouch Network Application Development (NAD) 2014 R2 SP1 is an eLearning course that explains how to use the InTouch NAD feature to automatically distribute application updates to plant floor production workstations over a network. This course includes the setup and configuration of NAD, setup of a shared network folder of the master application, adding the master application path to the InTouch Application Manager on runtime nodes, configuring change mode settings of end-user/operator experience, configuration of a local working copy of the application, and notifying clients of application change. This course also includes additional considerations when working with NAD. **35 MINUTES**

InTouch New Alarm Objects and Functionality

InTouch New Alarm Objects and Functionality discusses the Alarm Tree Viewer ActiveX Control and the Alarm Pareto ActiveX Control. The Alarm Tree Viewer ActiveX Control shows the alarm group hierarchy of alarm providers selected by an alarm query. The Alarm Tree Viewer lets you show the alarm group hierarchy in a graphical representation. You can perform operations involving groups, descendent groups, and ancestor groups. When used in conjunction with other alarm objects, the Alarm Tree object can assist in modifying alarm providers or alarm groups. Using the Alarm Pareto ActiveX control, you can analyze which alarms and events occur most frequently in a given production system. You can also analyze

alarm frequency by the time periods during which they occur. The analysis capabilities of the Alarm Pareto help you recognize where you should focus your efforts to achieve the most significant improvements. **30 MINUTES**

InTouch Remote Tag Referencing

InTouch Remote Tag Referencing is an eLearning course that explains designing InTouch client applications using Remote Tag Referencing without using any tagnames in the local Tagname Dictionary. You will see how to create Remote Tag References dynamically using a Remote Reference Tag source that allows using the InTouch Tag Browser to remotely browse then select Remote Tags and tag dot fields from another InTouch application. This course will cover a method for creating an InTouch thick client application by importing a window from another InTouch application and converting that window's placeholder tags to use Remote Tag References. **60 MINUTES**

InTouch Runtime Language Switching

InTouch Runtime Language Switching discusses the new Runtime Language Switching feature in InTouch HMI 10.0. The Runtime Language Switching feature allows developers to define which languages a particular InTouch application will support. This feature is triggered through the use of a button in the application, which, when clicked, switches the language in InTouch windows to the selected language. **15 MINUTES**

InTouch Scripting Introduction

InTouch Scripting Introduction is an eLearning course covering the fundamentals of using the built-in scripting language of InTouch, called QuickScript. Included is a discussion of selecting the best script type for the job, how to use the InTouch Script Editor, how to write scripts using built-in library functions and keywords, and how to leverage working examples from the InTouch script help documentation to reduce script development time. This course will show how to write InTouch scripts properly, using the QuickScript language conventions and syntax. Scripting examples will be used to illustrate concepts, such as string concatenation, local variables, data type conversions, triggers, branching, and looping. Additional considerations, including how to document and troubleshoot scripts, will also be examined.
1 HOUR, 45 MINUTES

InTouch Security

InTouch Security discusses and demonstrates the security features available in InTouch. This course provides an introduction to the types of tag-based InTouch Security and how to use the InTouch Security features to secure your application at runtime. This course will demonstrate how to configure native InTouch Security, as well as Operating System (OS) Security, how the two types compare and contrast to each other, and how to enable and configure some of the built-in WindowViewer security features. Additionally, a discussion on how to enhance security using scripting is included. **60 MINUTES**

InTouch SmartSymbols

InTouch SmartSymbols explains what SmartSymbols are and shows the key features for creating, placing, and editing InTouch SmartSymbols. **5 MINUTES**

InTouch Tag Server

InTouch Tag Server is an eLearning course that explains how to configure and use an InTouch Tag Server, or an InTouch application used to consolidate I/O traffic, aggregate multiple smaller InTouch applications, and provide a central tag source for InTouch clients. This course focuses on the design of an InTouch application containing only tags and scripts, which acts as a single point of tag maintenance in a network of InTouch Applications. Students learn how to connect to an InTouch Tag Server as a data source from remote InTouch client applications over a network. **45 MINUTES**

InTouch Tags

The InTouch Tags course defines what an InTouch Tag is and covers the use of the WindowMaker Tagname Dictionary, WindowViewer Tag Viewer, and the Application Manager's DBDump and DBLoad utilities. In this course, you will learn how to create and define tags, test tag values in real-time, use tag utilities to dump tags to a file, modify the file, load tags from a file to create new tags, and modify tag definitions. This course will also include finding where a tag is used with Cross Reference, determine tag usage with Update Use Counts, Delete Unused Tags, and modify tag definitions, such as changing a tag's name and a tag's type, after a tag has been used. **2 HOURS, 15 MINUTES**

InTouch Windows and Navigation

The InTouch Windows and Navigation course will teach students how InTouch uses different types of windows to visualize and present industrial information and data to application users. This course will then explain how InTouch application designers can add navigation to these windows so that users can switch between these windows to supervise and control their plant-specific operations. **60 MINUTES**

InTouch Wizards Overview

The InTouch Wizards Overview training explains how to use wizards in InTouch.
5 MINUTES

InTouch: ArchestrA Symbol Scripting

InTouch: ArchestrA Symbol Scripting is an eLearning course intended for tag-based InTouch users that explains how to use the ArchestrA Symbol Editor's Script Editor to write ArchestrA symbol scripts. A discussion on how to use ArchestrA Symbol Predefined scripts, Named scripts, and Action scripts, as well as the ShowGraphic function, in symbol designs is also provided. **85 MINUTES**

InTouch: How to Use ArchestrA Windows Controls on a Tag-Based InTouch Application

The InTouch: How to Use ArchestrA Windows Controls on a Tag-Based InTouch Application online seminar provides an explanation and demonstration of how to use ArchestrA Windows controls. The seminar shows the power of building rich user interfaces with the following controls: Radio Button Group, Check Box, Edit Box, Combo Box, Calendar, DateTime Picker, and List Box. This seminar discusses and demonstrates the animations, properties, and functions of these controls, but will focus specifically on those features that work on tag-based InTouch applications. **60 MINUTES**

InTouch: Using the XML Importer

The InTouch: Using the XML Importer online seminar is an instructor-led session designed to provide you with an introduction on how to automate the creation of InTouch applications, including windows and native InTouch graphics, by using a command file and an XML file. **30 MINUTES**

Introduction to InTouch

The Introduction to InTouch course is designed to introduce and familiarize viewers with the Wonderware InTouch software. InTouch allows users to quickly create standardized, reusable Human Machine Interface or HMI applications and deploy them across an entire enterprise. This course will discuss and provide demonstrations of the three major software components of InTouch: InTouch Application Manager, InTouch WindowMaker, and InTouch WindowViewer.

Video demonstrations will show how to create a Modern Application, link to I/O data, create a tagname, create a window, add graphics, and present live data in runtime. **45 MINUTES**

Migrating from InTouch 9.5 to InTouch 10 Managed Applications

Migrating from InTouch 9.5 to InTouch 10 Managed Applications online seminar will give you an overview of how to migrate existing InTouch applications to the Integrated Development Environment (IDE), resulting in an InTouch Managed Application. This migration allows you to take advantage of the ArchestrA Graphics features of InTouch 10.0, as well as the centralized development capabilities of the IDE. This seminar is applicable for InTouch 2012. **10 MINUTES**

New Animations Using ArchestrA Graphics

The New Animations Using ArchestrA Graphics online seminar introduces some of the new types of animations possible using ArchestrA Graphics. These animations include scripting combinations, object properties, and new animation link types, all to achieve animations never before possible in an InTouch application. Specifically the seminar covers how to resize an object to make it shrink or grow on mouse over, and how to use the new Animation Link 'Show Symbol'. **20 MINUTES**

Runtime Language Switching for Modern InTouch Applications

Runtime Language Switching for InTouch Modern Applications is an eLearning course that explains how to translate text objects and buttons in InTouch windows and alarms into a different language.

The process of configuring additional languages, exporting dictionaries, translating dictionaries, importing dictionaries, and switching to a different language at runtime is demonstrated. **25 MINUTES**

Scripting ArchestrA Symbols to Grow/Shrink

Scripting ArchestrA Symbols to Grow/Shrink is an eLearning course that explains how to write scripts to manipulate the width and height properties of graphic elements in runtime. Grow/Shrink acts as a zoom feature, which allows an operator to interact with a symbol to increase or decrease its size on demand. **30 MINUTES**

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Symbol Construction Using Graphic Tools

Symbol Construction Using Graphic Tools is an eLearning course that explains how to animate and use properties of a custom-built symbol using graphic tools in the ArchestrA Symbol Editor. This course will help designers to construct their own custom symbol, when they cannot find a symbol in the ArchestrA Graphic Library that is already built to do what they need. Demonstrations will show how to add animations and custom properties to custom graphics built using tools in the ArchestrA Symbol Editor. Additionally, this course will explain how to optimize WindowViewer, when working with custom-built animations. **2 HOURS, 30 MINUTES**

Symbol Construction Using the Graphic Library

Symbol Construction Using the Graphic Library is an eLearning course that explains how to create an ArchestrA Symbol to represent an industrial process. This course will demonstrate how to visualize these processes using pre-built symbols from the Situational Awareness Library. **70 MINUTES**

Using ArchestrA Symbols with InTouch Tags *(applies to version 2014 R2)*

Using ArchestrA Symbols with InTouch Tags provides an explanation of how to use the ArchestrA Graphic Toolbox within a Modern InTouch application. Demonstrations will be provided to show how custom properties of ArchestrA symbols are linked to tags, .dotfields, and expressions. Students will be able to explain the selection of InTouch tag types to match the data types used in ArchestrA symbols. Using an example from the Situational Awareness Library, learners will be able to explain how to set wizard options for symbols designed using the Symbol Wizard and the effects that wizard options have on the final appearance and behavior of an embedded ArchestrA graphic. **90 MINUTES**

Using ArchestrA Symbols with InTouch Tags 2014 R2 SP1

Using ArchestrA Symbols with InTouch Tags 2014 R2 SP1 is an eLearning course that explains how to use the ArchestrA Graphic Toolbox with a Modern InTouch Application. Demonstrations will be provided to show how custom properties of ArchestrA Symbols are linked to tags, tag .dotfields and expressions.

Students will be able to explain the selection of InTouch tag types to match the data types used in ArchestrA Symbols. Using an example from the Situational Awareness Library, learners will be able to explain how to set Wizard Options for symbols designed using the Symbol Wizard and the effects that Wizard Options have on the final appearance and behavior of an embedded ArchestrA Graphic. **90 MINUTES**

What's New in InTouch HMI 2017 Overview

Overview of What's New in InTouch HMI 2017 is an eLearning course that introduces and explains the new features of InTouch HMI 2017. This course covers general improvements to InTouch HMI, new features, and new Schneider Electric licensing. Video lectures and demonstrations are provided to enhance your knowledge of these subjects. **75 MINUTES**

What's New in InTouch HMI 2017: Frame Windows

What's New in InTouch HMI 2017: Frame Windows is an eLearning course that explains the new Frame window feature of the InTouch 2017 HMI. This course explains how to design and

use Frame windows, which support touch screen gestures such as swipe and pinch to pan and zoom ArchestrA graphics. Additionally, this course will discuss considerations when using the new InTouch Frame window feature. **80 MINUTES**

INTOUCH ACCESS ANYWHERE

eLearning Courses

InTouch Access Anywhere *(applies to version 2014 R2)*

InTouch Access Anywhere is an eLearning course that explains the InTouch Access Anywhere Server and the InTouch Access Anywhere Secure Gateway. Video lectures and demonstrations are provided to enhance your knowledge of the subject. **50 MINUTES**

InTouch Access Anywhere 2014 R2 SP1

InTouch Access Anywhere 2014 R2 SP1 is an eLearning course that discusses InTouch Access Anywhere Server and InTouch Secured Gateway, including the new features in 2014 R2 SP1. Video lectures and demonstrations are provided to enhance your knowledge of the subject. **90 MINUTES**

INTOUCH FOR SYSTEM PLATFORM

Instructor-Led Courses

InTouch for System Platform 2014 R2 SP1
Location: Lake Forest, CA and Virtual

The InTouch for System Platform 2014 R2 SP1 course is an 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 focus of this course is to illustrate the use of visualization tools in 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. **5 DAYS**

eLearning Courses

Alarm Logging *(applies to version 2014 R2)*
You can find this course in the registration system with the Application Server courses.

Alarm Logging explains how alarms and events from Application Server are logged with Historian Server, compares logging alarms and events to the A2ALMDB SQL Server database versus Historian Server proprietary history blocks, demonstrates how to display

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historical alarms and events using the Alarm Client Control, and explains how to migrate alarm and event data from the A2ALMDB database to history blocks.

It also includes video demonstrations to reinforce some key concepts, such as displaying historical alarms and events in the Alarm Client Control and migrating alarm and event data from the A2ALMDB database to history blocks. **40 MINUTES**

Alarm Modes

You can find this course in the registration system with the Application Server courses.

Alarm Modes describes the concepts of alarm modes, alarm inhibit, and alarm plant states, and explains how to apply these features in Application Server. This course also describes how to configure alarm plant states in the ArchestrA IDE and shows how to use them at runtime.

It also includes video demonstrations to reinforce some key concepts, such as changing alarm modes and inhibiting alarms at runtime, and managing alarms through alarm plant states. **64 MINUTES**

Alarm Severities

You can find this course in the registration system with the Application Server courses.

Alarm Severities explains how to use ArchestrA alarm aggregation features to obtain alarm severity information at runtime. It focusses on how to configure alarm severities and alarm aggregation, visualize alarm severities with alarm border animation, and use situational awareness symbols to visualize alarm information.

It also includes video demonstrations to reinforce some key concepts, such as mapping alarm severities to alarm priorities, monitoring alarm severities at runtime, and displaying alarm severity status through situational awareness symbols. **65 MINUTES**

Alarm Shelving

You can find this course in the registration system with the Application Server courses.

Alarm Shelving explains how to use the alarm shelving feature of System Platform, and shows how to apply it to enhance alarm management efficiency. This course explains configurations for enabling alarm shelving, demonstrates using the ArchestrA Alarm Control to shelve and unshelve alarms at runtime, describes alarm shelving-related attributes, and demonstrates displaying alarm shelving information in alarm borders.

It also includes video demonstrations to reinforce some key concepts, such as configuring alarm shelving, shelving alarms from the ArchestrA Alarm Control, using alarm shelving attributes, and displaying alarm borders for the most urgent shelved alarms. **75 MINUTES**

ArchestrA Alarm Control for Wonderware Application Server 3.1

The ArchestrA Alarm Control for System Platform 3.1 Online Seminar is an instructor-led seminar which gives an overview of the capabilities and use of the new Alarm Control to display alarms from a System Platform 3.1 Galaxy. Seminar subjects will include a review of ArchestrA Alarming, an overview of the new ArchestrA Alarm Control, how to configure live and historical alarms for visualization, and an overview of basic scripting. This seminar is applicable to Application Server 2012. **60 MINUTES**

ArchestrA SQLDataGrid Symbol

This course is designed to provide the participant with a fundamental understanding of the ArchestrA SQLDataGrid Symbol. The ArchestrA SQLDataGrid Symbol is part of the ArchestrA SQLData Components, which includes the SQLData Object, the ArchestrA SQLDataGrid Symbol and the SQLData Script Library. This online seminar is part of a series that covers all three of the ArchestrA SQLData Components. The ArchestrA SQLDataGrid Symbol is an ArchestrA Graphic component that enables you to interact with data stored in SQL databases. You can use the SQLDataGrid symbol in an InTouch application that you create in a published or managed mode. **30 MINUTES**

ArchestrA Symbol Editor

The ArchestrA Symbol Editor course explains the basic methods and components of creating and editing an ArchestrA symbol for both System Platform and tag-based InTouch applications. The main focus of this course is on the drawing and organization tools available within the Symbol Editor, presented in slides, recorded lectures, and demonstrations. **90 MINUTES**

ArchestrA Symbols Creation Rev B

ArchestrA Symbols Creation Rev B is an eLearning course that explains the basics of creating ArchestrA Symbols within the ArchestrA System Platform. This course will address how to animate graphics, create and work with custom properties, implement the Quality and Status graphic element, and apply scripting to an ArchestrA Symbol. This course will be presented in the form of recorded lectures and demonstrations. **85 MINUTES**

ArchestrA Symbols Overview

ArchestrA Symbols Overview is an eLearning course that explains the basics of working with ArchestrA Symbols within the Wonderware System Platform and a Managed InTouch application. This course addresses the differences between the ArchestrA Symbol Library and the Situational Awareness Library, how to implement symbols that have Wizard Options, and how to apply the Dashboard Tools symbols to create a process overview. This course is presented in the form of recorded lectures and demonstrations. **45 MINUTES**

ArchestrA Trend Client for System Platform Rev B

The ArchestrA Trend Client for System Platform is an eLearning training course that discusses and demonstrates the basics of how to use the Trend Client control to display real-time data from a System Platform. **60 MINUTES**

ArchestrA Visualization Objects

ArchestrA Visualization Objects is an eLearning course that explains the basics of creating and deploying a Managed InTouch application within the ArchestrA System Platform. This course will address how to create a new application, import an existing standalone application, deploy an InTouch application both locally and remotely, and manage the updating of deployed applications. This course will be presented in the form of recorded lectures and demonstrations. **30 MINUTES**

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Element Styles *(applies to version 2014 R2)*

You can find this course in the registration system with the InTouch courses.

Element Styles is an eLearning course that explains the Element Styles that are available in the ArchestrA Symbol Editor and shows how they are applied to enhance your application at runtime. This course will demonstrate how to configure predefined Element Styles, as well as user-defined Element Styles, how to apply Element Styles, and how to configure Element Style animations. **30 MINUTES**

Exporting and Importing Objects *(applies to version 2014 R2)*

You can find this course in the registration system with the Application Server courses.

Exporting and Importing Objects is an eLearning course that explains the basics of exporting and importing objects within the ArchestrA IDE. This course addresses how to export single objects, including embedded graphics from the Graphic toolbox, how to export all graphics in the Graphic toolbox, and importing objects, templates, and instances. **28 MINUTES**

Historizing Attributes and Trending

You can find this course in the registration system with the Application Server courses.

Historizing Attributes and Trending is an eLearning course that introduces the basic concepts of historizing attributes in Application Server, including configuring attributes with the History feature, enabling storage to Historian Server, and visualizing historical data through the Historian Client Trend .NET control. **61 MINUTES**

InTouch for System Platform 2012 R2 Recorded Instructor-Led Training

The InTouch for System Platform 2012 R2 Recorded Instructor-Led Training (RILT) is designed to provide you with a fundamental understanding of how the Wonderware Application Server provides visualization for your plant Galaxy data using ArchestrA Symbols, by seamlessly integrating the InTouch for System Platform software.

This RILT consists of recorded presentations and lab demonstrations of the training material presented in a live class. The videos are in MP4 format and are best viewed in Windows Media Player, with a screen resolution of 1280 x 1024.

This course is accompanied by a Training Manual, which contains all of the labs. **12 HOURS**

InTouch for System Platform 2014 Part 1 Web-Based Training

The InTouch for System Platform 2014 – Part 1 Web-Based Training (WBT) course is designed to provide a fundamental understanding of InTouch for System Platform.

The WBT consists of recorded presentations and demonstrations of the training material present in a live class. This course is best viewed with a screen resolution of 1280 x 1024.

The course is accompanied by the training manual, which contains all of the labs, as well as student files to support the labs. **9 HOURS, 22 MINUTES**

InTouch for System Platform 2014 Part 2 Web-Based Training

The InTouch for System Platform 2014 - Part 2 Web-Based Training (WBT) course is designed to provide a continued understanding of how Wonderware Application Server provides visualization for your plant Galaxy data using ArchestrA symbols within the Wonderware InTouch for System Platform software.

This course is a continuation of the subjects and themes of the InTouch for System Platform 2014 - Part 1 course and continues to illustrate the use of visualization tools in Wonderware Application Server to provide a Human Machine Interface (HMI) utilizing connectivity to the Galaxy, graphic symbols, animations, scripting features, and functionality found in InTouch WindowMaker, ArchestrA symbols, the ArchestrA Symbol Editor, and QuickScript.NET.

This WBT consists of recorded presentations and lab demonstrations of the training material presented in the live class. The videos are best viewed with a screen resolution of 1280 x 1024. **7 HOURS, 58 MINUTES**

InTouch for System Platform 2014 R2 eLearning Curriculum Rev B

The InTouch for System Platform 2014 R2 eLearning curriculum is a collection of eLearning courses designed to provide a fundamental understanding of how Wonderware InTouch provides visualization for plant Galaxy data using ArchestrA symbols within the ArchestrA System Platform.

The focus of this curriculum is to illustrate the use of visualization tools in Wonderware Application Server to build a "Plant Model" that logically represents processes, physical equipment and industrial systems.

As you progress through the curriculum, you are guided through concepts such as: how to design graphics and windows; connecting to the Galaxy; animations; apply alarm, trending, and history controls for visualization; security for InTouch applications; scripting features and functionality in InTouch WindowMaker,

	InTouch for System Platform 2014 R2 eLearning Curriculum Rev B Courses
1	Introduction to InTouch for System Platform
2	ArchestrA Visualization Objects
3	InTouch Windows and Navigation
4	ArchestrA Symbols Overview
5	Element Styles
6	Using ArchestrA Symbols with Objects
7	ArchestrA Symbol Editor
8	ArchestrA Symbols Creation Rev B
9	Alarm Modes
10	Alarm Severities
11	Alarm Shelving
12	Alarm Logging
13	Historizing Attributes and Trending
14	Exporting and Importing Objects
15	ArchestrA Trend Client for System Platform Rev B
16	Visualization Security

ArchestrA symbols, the ArchestrA Symbol Editor, and QuickScript .NET. Video demonstrations reinforce concepts and features.
14 HOURS, 30 MINUTES OF INSTRUCTION

InTouch Windows and Navigation

You can find this course in the registration system with the InTouch courses.

The InTouch Windows and Navigation course will teach students how InTouch uses different types of windows to visualize and present industrial information and data to application users. This course will then explain how InTouch application designers can add navigation to these windows so that users can switch between these windows to supervise and control their plant-specific operations. **60 MINUTES**

Introduction to InTouch for System Platform

The Introduction to InTouch for System Platform course provides an overview of Wonderware InTouch for System Platform. Demonstrations are provided to reinforce the information presented in this course. **37 MINUTES**

Runtime Language Switching for System Platform

Runtime Language Switching for System Platform is an eLearning course that explains how to translate text within ArchestrA Graphics and alarms into a different language in InTouch for System Platform. The process of configuring additional languages, exporting dictionaries, editing dictionaries, importing dictionaries, and switching a language at runtime is demonstrated. **35 MINUTES**

Symbol Wizard (German)

Symbol Wizard ist ein 20–minütiges eLearning-Seminar. In diesem Kurs wird gezeigt, wie im „ArchestrA Graphic" – Editor, neue oder bereits existierende ArchestrA Graphics um die „Symbol Wizard" - Funktionalität erweitert werden können. **20 MINUTES**

System Platform: Providing IT Information

This online seminar is designed to provide explanations and examples on how ArchestrA object attributes can be used to monitor and manage computers in an industrial control system. **40 MINUTES**

Using ArchestrA Symbols with Objects

Using ArchestrA Symbols with Objects is an eLearning course that explains the basics of implementing ArchestrA Symbols within the definition of System Platform Objects. This will include the usage of relative references and owning object capabilities of ArchestrA Symbols. This course will be presented in the form of recorded lectures and demonstrations. **30 MINUTES**

Using the Quality and Status Functions of ArchestrA Graphics

The Using the Quality and Status Functions of ArchestrA Graphics online seminar will introduce you to the Quality and Status functions of ArchestrA Graphics. You will learn how to implement the Status object within ArchestrA Graphics. You will also learn how to configure the Galaxy to use graphical overrides for graphics using the Status object. **10 MINUTES**

Visualization Security

Visualization Security is an eLearning course that describes how to implement ArchestrA security through ArchestrA graphics in a Managed InTouch application. It also demonstrates how to interact with InTouch security-related system tags and native functions with ArchestrA graphics**. 1 HOUR, 36 MINUTES**

INTOUCH MACHINE EDITION

Instructor-Led Courses

InTouch Machine Edition 2014 R2

Location: Lake Forest, CA; Austin, TX; and Virtual

The InTouch Machine Edition 2014 R2 course is an instructor-led class designed to provide a fundamental understanding of the features and functionality of the InTouch Machine Edition software. InTouch Machine Edition enables End Users and Machine builders to quickly create intuitive, secure, and highly maintainable HMI applications for intelligent machines and on a

variety of low level devices using embedded operating systems for up to 3000 tags. The course provides lectures and hands-on labs to supply and reinforce the knowledge needed to use InTouch Machine Edition to develop an HMI for your plant floor environment using basic InTouch Machine Edition elements. **5 DAYS**

InTouch Machine Edition 2014 R2 (Spanish)

Location: Austin, TX and Virtual

El curso de InTouch Machine Edition 2014 R2 y InduSoft Web Studio es de 5 días, la clase es dirigida por un instructor con el objetivo de tener una mejor comprensión de las características y funcionalidades del software InTouch Machine Edition e InduSoft Web Studio. InTouch Machine Edition e InduSoft Web Studio permite a los usuarios finales y a constructores de máquinas crear aplicaciones HMI rápidamente de forma intuitiva, segura además de contar con soporte de mantenimiento para máquinas inteligentes y gran variedad de dispositivos de bajo nivel usando Sistemas operativos Embebidos hasta 3000 tags. El curso facilita lecturas y ejemplos de laboratorios con el objetivo de reforzar el conocimiento necesario para desarrollar una aplicación HMI en su empresa o planta utilizando elementos básicos de InTouch Machine Edition y InduSoft Web Studio. **5 DAYS**

eLearning Courses

InTouch Machine Edition – 01 Preparation

The InTouch Machine Edition - Preparation training provides a precursor as to some of the basics of common keystrokes and mouse clicks that will be used throughout the other training videos in this series. Other preparation suggestions include ways to get the most out of the entire video series. **10 MINUTES**

InTouch Machine Edition – 02 Introduction

The InTouch Machine Edition - Introduction training provides a brief introduction to InTouch Machine Edition. This video gives a quick overview of the development environment interface and various tool locations. It also shows where some of the trouble shooting tools can be found how they are used. Then a very simple two-screen project is created highlighting how easy and quick the product is to use. **30 MINUTES**

InTouch Machine Edition – 03 Product Overview

The InTouch Machine Edition – Product Overview training provides an overview of features and capabilities of InTouch Machine Edition. Included in this training are the product positioning, advantages and features, and an overview of the integration with Wonderware System Platform. **30 MINUTES**

InTouch Machine Edition – 05 User Interface Overview

The InTouch Machine Edition – User Interface Overview training provides a brief overview of the user interface in the InTouch Machine Edition. **34 MINUTES**

InTouch Machine Edition – 06 Tags

The InTouch Machine Edition - Tags training provides an understanding of what tags are in InTouch Machine Edition. **35 MINUTES**

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InTouch Machine Edition – 07 Drivers Part 1

The InTouch Machine Edition – Drivers Part 1 training provides a basic understanding of how to configure drivers with InTouch Machine Edition. **25 MINUTES**

InTouch Machine Edition – 07 Drivers Part 2

The InTouch Machine Edition – Drivers Part 2 training provides a more detailed understanding of how to configure drivers within InTouch Machine Edition. **43 MINUTES**

InTouch Machine Edition – 08 Screen Groups

The InTouch Machine Edition – Screen Groups training provides a basic understanding of how to create screen groups and the template that will be used for the remaining training videos. **32 MINUTES**

InTouch Machine Edition – 09 Formatting and Shapes

The InTouch Machine Edition – Formatting and Shapes training provides a basic understanding of how to use the basic shapes in the InTouch Machine Edition and how to format those. **42 MINUTES**

InTouch Machine Edition – 10 Active Objects Part 1

The InTouch Machine Edition – Active Objects Part 1 training explains how to use some of the active objects in the InTouch Machine Edition. **42 MINUTES**

InTouch Machine Edition – 10 Active Objects Part 2

The InTouch Machine Edition – Active Objects Part 2 training explains how to use more of the active objects in the InTouch Machine Edition. **36 MINUTES**

InTouch Machine Edition – 10 Active Objects Part 3

The InTouch Machine Edition – Active Objects Part 3 training explains how to use more of the active objects in the InTouch Machine Edition. **61 MINUTES**

InTouch Machine Edition – 11 Animation Overview

The InTouch Machine Edition – Animation Overview training explains how to apply Animations using InTouch Machine Edition. **45 MINUTES**

InTouch Machine Edition – 12 Animation Details

The InTouch Machine Edition – Animation Details training explains how to apply Animations in depth using InTouch Machine Edition. **60 MINUTES**

INTOUCH OMI

Instructor-Led Courses

InTouch OMI 2017 for Existing System Platform Users

Location: Lake Forest, CA and Virtual

InTouch OMI 2017 for Existing System Platform Users is an instructor-led class designed to provide an overview of the features and functionalities released in InTouch OMI. It covers the

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components and capabilities of the software, as well as topics to help you build and deploy an InTouch OMI visualization application. Hands-on labs are provided to reinforce the knowledge necessary to use InTouch OMI. **1 DAY**

LICENSING

eLearning Courses

ArchestrA License Manager

The ArchestrA License Manager online seminar reviews the ArchestrA License Utility, discusses in detail how to use the ArchestrA License Manager to install license files, and discusses the ArchestrA License Server. Also included are software and hardware requirements, order of installation, and a demonstration. **30 MINUTES**

Schneider Electric Software Licensing Overview

The Schneider Electric Software Licensing Overview eLearning course explains how to leverage the Schneider Electric License Manager and License Server. This course demonstrates how to reserve and activate licenses, view license usage, set up a grace period all by using the licensing system that consists of a web-based License Manager and License Server. **45 MINUTES**

MES

Instructor-Led Courses

MES 2014 R2 – Operations

Location: Virtual

The MES 2014 R2 – Operations is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware MES Software/Operations. This course provides lectures and hands-on labs designed to supply and reinforce the knowledge necessary to use MES Operations to configure and define an operations model, products, and production capabilities. The class will demonstrate parameter download/upload and data collection, as well as how to report traceability and genealogy information. The course will also cover integration between MES Operations and System Platform. **4 DAYS**

MES 2014 R2 - Performance

Location: Virtual

The MES 2014 R2 - Performance course is an instructor-led class designed to provide a working knowledge of the features and functionality of Wonderware MES 2014 R2/Performance. The course uses lectures and hands-on labs to provide the knowledge needed to use Wonderware MES/Performance. The class will demonstrate how to configure and deploy a data collection system to analyze and report equipment utilization, availability, quality, and performance using Application Server objects. Both the MES Client and Web Portal will be addressed. **3 DAYS**

MES 2014 R2 – Quality

Location: Virtual

The MES 2014 R2 – Quality is an instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware MES Software/Quality. The course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Wonderware MES Software/Quality to address the configuration and deployment of a data collection system, which allows for the analysis and reporting of Quality Management data using a Sample Recording Object. **3 DAYS**

eLearning Courses

Advanced Topics on Operations and Performance 3.5

This Online Seminar is designed to provide you with an introduction to advanced topics on developing applications using Operations and Performance 3.5. In this training you will learn to use Supply Chain Connector, create custom scripts using the Client API, and customize logic with Operations and Performance Client Controls.

This seminar is applicable to MES/Operations and Performance 2012. **4 HOURS**

Introduction to MES

Introduction to MES is an eLearning course that explains Manufacturing Execution Systems (MES). The course provides a fundamental understanding of the role and features of MES in a manufacturing environment and the three MES product offerings of Wonderware MES software (Operations, Performance, and Quality). Other topics covered in this module are the components of MES, how to integrate MES in a System Platform installation, and the required hardware, software, and product licensing. **60 MINUTES**

QI ANALYST

eLearning Courses

QI Analyst 8.0 Software Recorded Instructor-Led Training

The Wonderware QI Analyst 8.0 Software course provides a basic overview of Wonderware QI Analyst 8.0 software.

This training discusses Statistical Process Control (SPC) charts and powerful statistical procedures that identify variations and help a production line run smoothly. These powerful statistical tools automatically test data against statistical rules to detect trends, runs, patterns, and outliers; the software immediately charts and identifies violations. This training also discusses the steps to create customizable alarm alerts. These alarms help users to solve quality problems immediately when any unnatural violations occur in the data.

The course includes demonstrations that supply and reinforce the knowledge needed to install, configure, customize, and link to Wonderware QI Analyst 8.0 software. Students will then perform the labs after viewing the demonstrations. **3 HOURS, 30 MINUTES**

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RECIPE MANAGER PLUS

eLearning Courses

Recipe Manager Plus 2014 R3

Recipe Manager Plus 2014 R3 is an eLearning training course that provides an overview of the application and concepts of creating Formulas, Equipment, and Recipes. This course describes how to integrate and configure Recipe Manager Plus with Application Server. Lectures and video demonstrations are provided to enhance your learning experience.
2 HOURS, 47 MINUTES

Recipe Manager Plus 2014 Web-Based Training

The Recipe Manager Plus 2014 Web-Based Training course is designed to provide a fundamental understanding of the features and functionality of Recipe Manager Plus. This course introduces the Recipe Manager Plus product and provides an orientation regarding installation, architecture, configuration, and licensing. This course instructs in detail how to create recipe models, execute recipe models through Application Server, and configure and create client connections from InTouch using an imbedded web browser control.

This course consists of recorded presentations and lab demonstrations of the training material. The videos are best viewed with a screen resolution of 1280 x 1024.
1 HOUR, 40 MINUTES

Recipe Manager with Node Security

Recipe Manager with Node Security explores how to implement node-based access with Recipe Manager. **10 MINUTES**

SKELTA BPM

Instructor-Led Courses

Skelta BPM 2014 Overview

Location: Virtual

The Skelta BPM 2014 Overview course is an instructor-led class designed to provide a basic understanding of the software as an extension to Business Process Management (BPM) strategies to create end-to-end manufacturing scenarios spanning across systems and human workforces.

The class provides lectures and hands-on labs to illustrate the configuration, definition, execution, and analysis of workflows using the System Platform Extension and Connector for integration with Application Server.

This course uses the Skelta BPM 2014 software and the ArchestrA Workflow 2012 Overview course materials. **3 DAYS**

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eLearning Courses

ArchestrA Workflow Events

ArchestrA Workflow Events is an eLearning course that will provide you with the basic understanding of how ArchestrA Workflow Events are setup in the application, including $WorkflowGateway object usage, configuring event parameters, and working with workflow versioning. This course provides lectures and demonstrations on the software features, including its main capabilities. **30 MINUTES**

Introduction to Skelta BPM

Introduction to Skelta BPM is an eLearning course that provides a basic understanding of the software as an extension to Business Process Management (BPM) strategies. The course provides lectures and demonstrations on the software features, including the main capabilities, processes and workflows, components, and connectors. A description of the applications and repositories is also provided. **30 MINUTES**

Introduction to Skelta BPM Business Activity Monitoring

Introduction to Skelta BPM Business Activity Monitoring (BAM) is an eLearning course that provides a basic overview of the reporting capabilities of Skelta, including viewing built-in reports, modifying the display of built-in reports, and creating KPI reports**. 55 MINUTES**

Introduction to Skelta BPM Forms

Introduction to Skelta BPM Forms is an eLearning course that provides a basic overview of creating Forms and using Forms in Workflows. In this course, you will learn how to create Forms and how to manage and publish Forms. An explanation of some of the form controls and their properties is also provided. **2 HOURS, 15 MINUTES**

Introduction to Skelta BPM Security

Introduction to Skelta BPM Security is an eLearning course that provides a basic understanding of the security features and settings available in the application and how to create and manage users. The course provides lectures and demonstrations on the software security features, including the main capabilities, views, rights, and tools. A description of setting up a repository with security is also provided**. 60 MINUTES**

Introduction to Skelta BPM Workflows

Introduction to Skelta BPM Workflows is an eLearning course that provides a basic overview of creating workflows and the use of the workflow tools in Skelta BPM. In this course, you will learn how to create workflows and how to manage and publish workflows. An explanation of the activity categories and their properties is also provided. **60 MINUTES**

Introduction to the Skelta BPM Connector and Extension for System Platform

Introduction to the Skelta BPM Connector and Extension for System Platform is an eLearning course that introduces and explains the available Connector and Extension for System Platform. It provides an overview of their proper usage and main capabilities. A description of the Connector and Extension and their associated components is also provided. **30 MINUTES**

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Skelta BPM 2014 R2 Overview eLearning Curriculum

The Skelta BPM 2014 R2 eLearning curriculum is a collection of eLearning courses focused on Skelta BPM application design. The curriculum provides a fundamental understanding of the Wonderware Skelta software, the usage of workflows, forms, and reports. As you progress through the curriculum, you are guided through security, layout, best practices, concepts,

Skelta BPM 2014 R2 Overview eLearning Curriculum Courses	
1	Introduction to Skelta BPM
2	Introduction to Skelta BPM Security
3	Introduction to Skelta BPM Workflows
4	Introduction to Skelta BPM Forms
5	Introduction to Skelta BPM Business Activity Monitoring

features, and functions of the Skelta software. Video demonstrations reinforce concepts and features. **6 HOURS, 25 MINUTES OF INSTRUCTION**

The $WorkflowGateway Object

The $WorkflowGateway Object is an eLearning course that will provide you with a basic understanding of how the $WorkflowGateway object is configured in the application. This course provides lectures and demonstrations on the software features, including its main capabilities. **30 MINUTES**

SOFTWARE ASSET MANAGER

eLearning Courses

Software Asset Manager 3.0 SP1

The Software Asset Manager (SAM) 3.0 SP1 eLearning Series is an eLearning course that explains and demonstrates how to use SAM in a typical production environment. The course discusses SAM implementation and benefits, and demonstrates SAM installation, the basic SAM workflow, and SAM features. It also includes a section on SAM's technical aspects for high-level diagnostics and troubleshooting. **90 MINUTES**

TOOLKITS

eLearning Courses

ArchestrA GRAccess Toolkit API - Part 1

The ArchestrA GRAccess Toolkit API – Part 1 online seminar discusses how ArchestrA Galaxy configuration is exposed to .NET and COM clients through a programmable object model called GRAccess. The GRAccess object model allows you to write programs that automate configuration of local and remote Galaxies using programming languages such as Visual Basic 6.0, C++, Visual Basic .NET and Visual C#. **60 MINUTES**

ArchestrA GRAccess Toolkit API - Part 2

The ArchestrA GRAccess Toolkit API Part 2 online seminar extends the sample client application demonstrated in the ArchestrA GRAccess Toolkit API – Part 1 seminar to discuss in detail some of the other object classes and methods available. **60 MINUTES**

ArchestrA Object Toolkit 3.1 Recorded Instructor-Led Training

The ArchestrA Object Toolkit course will explain how to develop Application Objects using the ArchestrA Object Toolkit 3.1 software. In this course, you will create, configure, and deploy Application Objects using the ArchestrA Object Toolkit, Microsoft Visual Studio, and Wonderware System Platform. You will learn about the general object development cycle, and you will leverage the power of reusable code through the use of object-oriented building blocks, such as utility primitives provided with the software and custom primitives you will create. You will also create and customize your own object editor. **11 HOURS**

DAS Toolkit 3.0: Simple DAS Framework RILT

This recorded instructor-led training is designed to provide the participant with an introduction to the Simple DAS Framework, and integral features of DAS Toolkit 3.0. The Simple DAS Framework allows users to easily create a TCP or Serial DAServer with a minimal amount of code. This series will cover an overview of DAServer components, and the use of the Visual Studio wizards provided by the DAS Toolkit to create simple DAServers. **3 HOURS, 30 MINUTES**

Historian Software Development Kit - Part 1: Overview

The IndustrialSQL Server 9.0 Software Development Kit (SDK) online seminar discusses how the new InSQL SDK is used to historize and retrieve data from the InSQL historian, as well as how to perform tasks such as configuring tags, creating history blocks, and getting configuration status information. The InSQL SDK provides programmatic access to storage, retrieval, and system configuration functionality in an InSQL historian. The InSQL SDK can be used within stand-alone .NET applications, as well as from within ArchestrA scripts. **60 MINUTES**

Historian Software Development Kit - Part 2: Maintenance

The Wonderware Historian 9.0 Software Development Kit (SDK) – Part 2 online seminar discusses how to use the Wonderware Historian SDK to perform maintenance and housekeeping tasks on a Wonderware Historian node through a custom built, stand-alone .NET application, or within ArchestrA scripts. **60 MINUTES**

MXAccess Toolkit – Overview

The MX Access Toolkit – Overview seminar discusses how the new Local Message Exchange (LMX) Proxy Function Library is used to read and write data from the Industrial Application Server Galaxy, as well as how to access data easily from any application built with Visual Studio. The LMX Proxy Function Library provides programmatic access to extract and write values from single and array elements, as well as integration with ArchestrA security. The LMX Proxy Function Library can be used within stand-alone .NET applications, as well with ActiveX Controls. **60 MINUTES**

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**Note: Information in this document is subject
to change without notice.**