

SYSTEM PLATFORM 2017 PART 2

HISTORIAN AND HISTORIAN CLIENT/INSIGHT CLIENT



COURSE DESCRIPTION

The System Platform 2017 Part 2 course is a 4-day, instructor-led class designed to provide a fundamental understanding of the features and functionality of Wonderware Historian Server for both Application Server and Traditional InTouch tag-based applications. This course provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Historian Server for SCADA and factory data. Students will learn how to configure the Historian Server; historize and retrieve historical data; retrieve auto-summary data; implement data replication to a remote historian; insert, update and import historical data; and employ the Historian Classic Event system.

The course also provides lectures and hands-on labs to supply and reinforce the knowledge necessary to use Wonderware Historian Client and Wonderware Insight 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 in Wonderware Historian. Wonderware Historian Client enables individuals at all levels of an organization to easily access plant and process-related data through a simple point-and-click interface. Wonderware Insight allows easy HTML5 web dashboards for your Historian data.

OBJECTIVES

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

- Configure Wonderware Historian Server
- Historize data from a variety of sources including Application Server and InTouch
- Distinguish between retrieval modes
- Retrieve data with SQL queries
- Use time domain extensions in SQL queries
- Update, insert and import historical data
- Create and configure events and retrieve event data
- Configure a Tier-2 Historian for replication and summarization
- Back-up and restore Historian configuration and data
- Use Wonderware Historian Client Trend to retrieve and display historical data
- Use Wonderware Historian Client Workbook to retrieve historical data in Microsoft Excel
- Use Wonderware Historian Client Query to retrieve and display historical data
- Use Wonderware Historian Client Workbook to retrieve historical data in Microsoft Word
- Use Wonderware Insight client

AUDIENCE

- Application Engineers responsible for installing and/or configuring the Historian Server
- Plant Management who wish to learn the capabilities of the Historian Server
- Plant Operators who wish to learn how to retrieve data from the Wonderware Historian

SYSTEM PLATFORM 2017 PART 2

HISTORIAN AND HISTORIAN CLIENT/INSIGHT CLIENT



PREREQUISITES

- Manufacturing industry experience

COURSE OUTLINE - HISTORIAN

MODULE 1 - INTRODUCTION

- Section 1 - Course Introduction
- Section 2 - Introduction to Historian Server
- Section 3 - System Requirements and Licensing

MODULE 2 - HISTORIAN CONFIGURATION

- Section 1 - Configurator
- Section 2 - Historian and the System Management Console

MODULE 3 - HISTORIAN AND SYSTEM PLATFORM

- Section 1 - Integrating Historian Server with System Platform

MODULE 4 - HISTORIAN AND TRADITIONAL INTOUCH

- Section 1 - IDAS: Historian and InTouch

MODULE 5 - DATA RETRIEVAL

- Section 1 - InSight
- Section 2 - Data Retrieval Subsystem
- Section 3 - Retrieval Modes
- Section 4 - Retrieval Options
- Section 5 - Advanced Retrieval Modes

MODULE 6 - MANUAL DATA

- Section 1 - Data Definitions
- Section 2 - INSERT and UPDATE Query Syntax
- Section 3 - Importing and Backfilling Historian Data
- Section 4 - Importing Data with Questionable Quality

MODULE 7 - HISTORIAN EVENTS

- Section 1 - Classic Event Subsystem
- Section 2 - Event Data Retrieval
- Section 3 - Active Event

SYSTEM PLATFORM 2017 PART 2

HISTORIAN AND HISTORIAN CLIENT/INSIGHT CLIENT



MODULE 8 – SUMMARIES AND DATA REPLICATION

- Section 1 – Data Summarization and Replication
- Section 2 – Summarized and Replicated Data Retrieval

MODULE 9 – HISTORIAN MAINTENANCE

- Section 1 – History Block Maintenance
- Section 2 – Historian Database Management

HISTORIAN CLIENT

MODULE 1 – INTRODUCTION

- Section 1 – Course Introduction
- Section 2 – Introduction to Wonderware Historian Server
- Section 3 – Introduction to Wonderware Historian Client
- Section 4 – System Requirements and Licensing

MODULE 2 – WONDERWARE HISTORIAN CLIENT TREND

- Section 1 – Introduction to Historian Client Trend
- Section 2 – Trend Annotations and Data Logs
- Section 3 – Public and Private Groups
- Section 4 – Time Offset and Target Regions
- Section 5 – Retrieval Styles and Data Transformations in Trend

MODULE 3 – WONDERWARE HISTORIAN CLIENT WORKBOOK

- Section 1 – Introduction to Historian Client Workbook
- Section 2 – Historian Event Retrieval
- Section 3 – Enhanced Workbook with Excel Functionality

MODULE 4 – WONDERWARE HISTORIAN CLIENT QUERY

- Section 1 – Introduction to Wonderware Historian Client Query
- Section 2 – Direct Query in Historian Client Workbook

MODULE 5 – WONDERWARE HISTORIAN CLIENT REPORT

- Section 1 – Introduction to Wonderware Historian Client Report
- Section 2 – Use of Wildcards in Reports