

HISTORIAN SERVER

Duration: 2 days, Instructor-led

Course Description

The Historian Server course is a 2-day, 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.

Objectives

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

- Start and configure Historian Server
- Configure and historize Application Server and InTouch data
- Distinguish between retrieval modes Retrieve data with SQL queries
- Use time domain extensions in SQL queries
- Update and insert history data
- Create and configure events and retrieve event data
- Configure Historian tags for local summarization
- Use a Tier-2 Historian for replication and summarization
- Back-up and restore Historian data

Audience

- Application developers
- Engineers
- System Integrators
- Consultants
- Other individuals who need to historize, analyze, and maintain data from Application Server or from a tag-based InTouch application

Prerequisites

- Knowledge of Transact-SQL

Course Contents

Module 1 : Introduction

Module 2 : Historian Configuration

Lab 1 – Configuring Historians

Lab 2 – Creating a Galaxy

Lab 3 – Historizing a Galaxy

Lab 4 – Historizing a Tag-Based InTouch Application

Lab 5 – Manually Creating IDAS Tags

Module 3 : Data Retrieval

Lab 6 – Retrieving Data with SQL Queries

Lab 7 – Using Retrieval Modes

Lab 8 – Using Retrieval Options

Lab 9 – Using Advanced Retrieval Modes

Module 4 : Manual Data

Lab 10 – Inserting Data Manually

Module 5 : Historian Events

Lab 11 – Creating Event Tags

Lab 12 – Retrieving Event Data

Lab 13 – Using ActiveEvent in Application Server

Lab 14 – Using ActiveEvent in InTouch

Module 6 : Summaries and Data Replication

Lab 15 – Summarizing Data Locally

Lab 16 – Replicating Data on a Tier-2 Historian

Lab 17 – Querying Summarized and Replicated Data

Module 7 : Historian Maintenance