



Proficy Historian Development

Course Description

The *Proficy Historian Development* course is designed to provide the student with a good working knowledge of Proficy Historian. Topics include administration focus for the server-based tasks as well as development focus for the client-based tasks. The course includes lab time for building skills essential to developing and maintaining the Proficy Historian in a process environment.



Who Should Attend?

This course is designed for process, automation, or instrumentation engineers and system integrators who will be developing, configuring, and using applications on a Proficy Historian system.

Are There Any Prerequisites?

Participants should have a working knowledge of Windows operating systems and Microsoft Excel.

What Tasks Will Be Taught in This Class?

Upon completion of this Course, the student will be able to:

- Understand architecture communication between Proficy Historian Servers and Proficy Historian Client nodes.
- Configure Proficy Historian nodes using the Proficy Historian Administrator.
- Configure Proficy Historian Data Collectors, including the iFIX Collector, OPC Collector, and File Collector.
- Manage and configure archives.
- View collected data using the Excel Add-In Client.
- Configure the Proficy Historian OLE DB Provider.
- Configure the Calculation Collector and the Server-to-Server Collector.
- Design and build a Proficy Historian security strategy.
- Use a variety of Proficy Historian Utilities and Operating System administrative options to troubleshoot.
- Use the Proficy Historian SDK to enhance a Proficy Historian application.
- Archive Alarms and Events using the Proficy Historian Alarm & Event Archiver.

Course Length:	2 days
Suggested Class Size:	8 students
Course Hours:	9:00 am – 5:00 pm



Proficiency Historian Development

Course Agenda (Schedule and content may vary.)

Day 1

Morning:

Introduction to Proficiency Historian

Study the basic features and architecture of Proficiency Historian software.

Proficiency Historian Administrator

Configure Proficiency Historian, including collectors and archives.

Collector Overview

Understand the available collectors and install collectors using the Administrator. Configure Collector Redundancy.

Afternoon:

Proficiency Historian Collectors

Install and configure iFIX, OPC, and File Collectors.

Proficiency Historian Server

Manage and configure data archives.

Proficiency Historian Clients

Understand the available clients, including iFIX and the Excel Add-In.

Day 2

Morning:

Excel Add-In

Build reports to display Proficiency Historian data using the Excel Add-In.

OLE DB

Access Proficiency Historian data using standard OLE DB applications, including the Proficiency Historian Interactive SQL Client.

Proficiency Historian Collectors

Install and configure Calculation and Server-to-Server Collectors.

Afternoon:

Proficiency Historian Security

Design and build a Proficiency Historian security strategy.

Proficiency Historian SDK

Use the Proficiency Historian SDK to enhance an Proficiency Historian application.

Proficiency Historian Alarm And Event Archiving

Use the Alarm and Event collector to collect and then Archive Alarms and Events to the Proficiency Historian Server. Retrieve Alarm and Event data with client applications.