

## Proficiency Historian Development

### Course Description

The **Proficiency Historian Development** course is designed to provide the student with a good working knowledge of Proficiency 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 Proficiency 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 Proficiency 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 Proficiency Historian Servers and Proficiency Historian Client nodes.
- Configure Proficiency Historian nodes using the Proficiency Historian Administrator.
- Configure Proficiency 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 Proficiency Historian OLE DB Provider.
- Configure the Calculation Collector and the Server-to-Server Collector.
- Design and build a Proficiency Historian security strategy.
- Use a variety of Proficiency Historian Utilities and Operating System administrative options to troubleshoot.
- Use the Proficiency Historian SDK to enhance a Proficiency Historian application.
- Archive Alarms and Events using the Proficiency Historian Alarm & Event Archiver.

### Course Length

2 days

### Suggested Class Size

10 students

### Class Hours

8:00 am - 5:00 pm, daily



## Course Agenda

*(Schedule and content may vary.)*

### Day 1

#### Morning:

##### **Introduction to Proficy Historian**

Study the basic features and architecture of Proficy Historian software.

##### **Proficy Historian Administrator**

Configure Proficy Historian, including collectors and archives.

##### **Collector Overview**

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

#### Afternoon:

##### **Proficy Historian Collectors**

Install and configure iFIX, OPC, and File Collectors.

##### **Proficy Historian Server**

Manage and configure data archives.

##### **Proficy Historian Clients**

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

### Day 2

#### Morning:

##### **Excel Add-In**

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

##### **OLE DB**

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

##### **Proficy Historian Collectors**

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

#### Afternoon:

##### **Proficy Historian Security**

Design and build a Proficy Historian security strategy.

##### **Proficy Historian SDK**

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

##### **Proficy Historian Alarm And Event Archiving**

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

