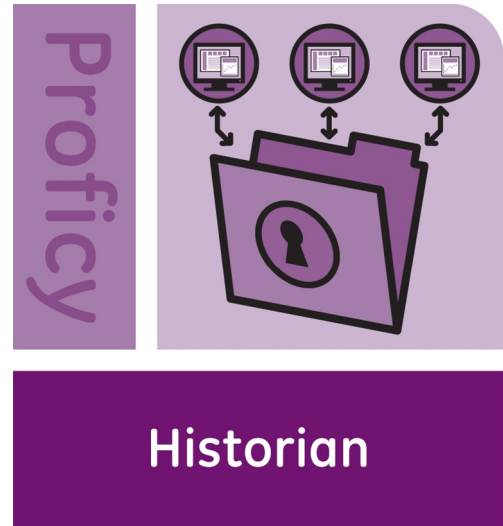


Proficy Historian Fundamentals

Course Description

The **Proficy Historian Fundamentals** 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 topics will be covered in this course?

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

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.

