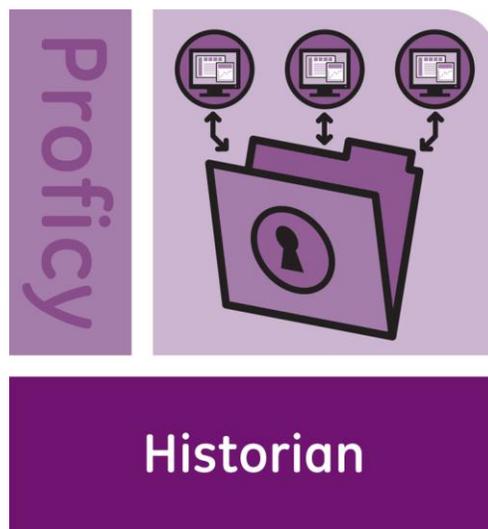


Proficiency Historian Fundamentals

Course Description

The **Proficiency Historian Fundamentals** course is designed to provide the student with a good working knowledge of the standard edition of Proficiency Historian. Topics include administration focus for the server-based tasks as well as development focus for the client-based activities. The course provides 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 topics will be covered in this course?

- Understand architecture communication between Proficiency Historian Servers and Proficiency Historian Client nodes.
- Configure Proficiency Historian using the Proficiency Historian Administrator.
- Configure Proficiency Historian Data Collectors, including the Simulation collector, OPC collector, File collector and Windows Performance collector.
- Manage and configure data stores and archives.
- View collected data using the Excel Add-In Client.
- Launch and use the Proficiency Historian Analysis web client.
- Configure the Proficiency Historian OLE DB Provider.
- Design and build a Proficiency Historian security strategy.
- Use a variety of Proficiency Historian utilities and Operating System administrative options to troubleshoot the system.

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.

Architecture & Administration

Look at Proficy Historian components, architecture and the Proficy Historian Administrator

Data Stores & Archives

Configure and manage Proficy Historian Data Stores and Archives.

Introduction to Collectors

Understand the available collectors and install collectors using the installer. Discuss collector redundancy.

Afternoon:

Tags

Explore tag configuration, sampling, compression and maintenance.

OPC Collector

Explore the OPC Collector.

File Collector

Configure xml or csv files for collection by Proficy Historian

Proficy Historian Clients

Understand the available clients, including Proficy Historian Analysis, OLE DB and the Excel Add-In.

Day 2

Morning:

Proficy Historian Analysis

Introduce Proficy Historian Analysis and the main client screen.

Analysis Displays

Create Proficy Historian Analysis displays using the available tools.

Proficy Historian Analysis Reports

Create Proficy Historian Analysis reports using the available reports.

Proficy Historian Excel Add-in

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

Afternoon:

Administration with the Excel Add-in

Administer Proficy Historian tags, data messages and alarms using the Excel Add-In.

Proficy Historian OLE DB

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

Proficy Historian Security

Design and build a Proficy Historian security strategy.

Proficy Historian Troubleshooting

Learn about the Windows Performance collector. Use Windows and Proficy Historian tools to troubleshoot the system.

