

Proficy Historian Fundamentals

Instructor-led

Topics

- Understand the architecture and applications of Proficy Historian.
- Configure Historian using both thick and thin client Administrators.
- Manage and configure Data Stores, Archives and Data Collectors.
- Use Configuration Hub and the Command Line utility to manage Collectors.
- Use Configuration Hub, Web-Admin, Web Trend and REST Web-based clients.
- Use the Excel Add-In.
- Utilize the Historian OLE DB Provider.
- Design and build a security strategy.
- Troubleshoot a Proficy Historian system.

Course description

The *Proficy Historian Fundamentals* course is designed to provide the student with a good working knowledge of the standard edition of Proficy Historian. Topics covered have an administration focus for the server-based tasks as well as a development focus for the client-based activities. The course provides lab time for building skills essential to developing and maintaining the 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 Historian system.

Are there any pre-requisites?

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

Part

44A728312-345

Delivery

Instructor-led, classroom, virtual or onsite

Duration

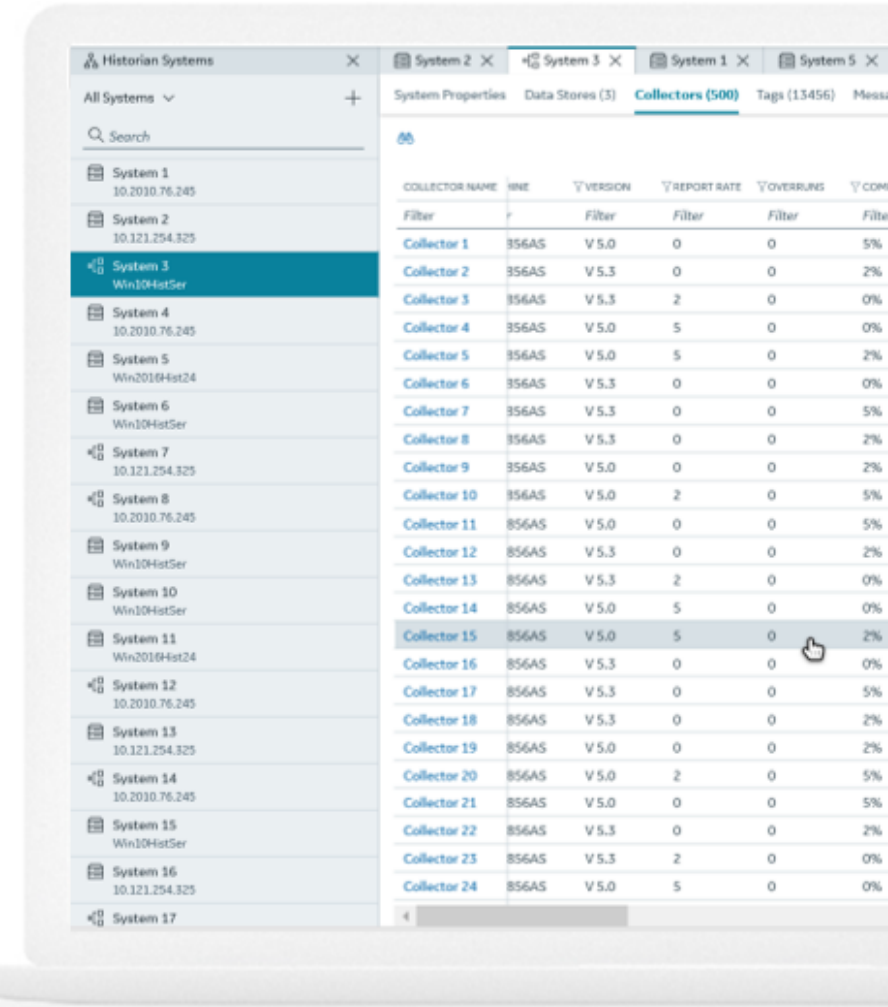
16 hours

Suggested class size

10 Students

Course Schedule

Click [here](#) for the latest details and schedule.



The screenshot shows the Proficy Historian web interface. On the left, there is a tree view of 'Historian Systems' with 17 systems listed. System 3 is selected. On the right, the 'Collectors (500)' tab is active, displaying a table of collector data.

COLLECTOR NAME	LINE	VERSION	REPORT RATE	OVERRUNS	COM
Filter		Filter	Filter	Filter	Filter
Collector 1	856AS	V 5.0	0	0	5%
Collector 2	856AS	V 5.3	0	0	2%
Collector 3	856AS	V 5.3	2	0	0%
Collector 4	856AS	V 5.0	5	0	0%
Collector 5	856AS	V 5.0	5	0	2%
Collector 6	856AS	V 5.3	0	0	0%
Collector 7	856AS	V 5.3	0	0	5%
Collector 8	856AS	V 5.3	0	0	2%
Collector 9	856AS	V 5.0	0	0	2%
Collector 10	856AS	V 5.0	2	0	5%
Collector 11	856AS	V 5.0	0	0	5%
Collector 12	856AS	V 5.3	0	0	2%
Collector 13	856AS	V 5.3	2	0	0%
Collector 14	856AS	V 5.0	5	0	0%
Collector 15	856AS	V 5.0	5	0	2%
Collector 16	856AS	V 5.3	0	0	0%
Collector 17	856AS	V 5.3	0	0	5%
Collector 18	856AS	V 5.3	0	0	2%
Collector 19	856AS	V 5.0	0	0	2%
Collector 20	856AS	V 5.0	2	0	5%
Collector 21	856AS	V 5.0	0	0	5%
Collector 22	856AS	V 5.3	0	0	2%
Collector 23	856AS	V 5.3	2	0	0%
Collector 24	856AS	V 5.0	5	0	0%



Session 1

Introduction

Study the basic features and architecture of Proficy Historian. Review the design and licensing considerations for Proficy Historian.

Architecture & Applications

Look at deployable Proficy Historian architectures and components. Navigate the Historian Desktop Administrator and Configuration Hub.

Datastores & Archives

Configure and manage Historian Data Stores and Archives. Prepare the storage system on the Proficy Historian Server.

Session 2

Collectors

Understand the range of collectors available to Proficy Historian and their functions. Add Collector instances using Configuration Hub and the Command Line utility. Configure Collectors properties in the Historian Desktop Administrator.

Tags

Add and monitor tags. Perform Tag maintenance. Use the Tag maintenance utilities.

Session 2 (continued)

Plant Data Collectors

Explore available Plant Data Collectors. Add and configure the iFIX Collectors, OPC UA (DA) Collector, OPC (DA) Collector and the MQTT Collector.

File Collector

Describe Historian File collector functionality. Understand the features of the ETL option. Add Tags and collect data using the Historian File Collector.

Session 3

Historian Clients

Understand the available Proficy Historian Clients. Explore how to retrieve data with Proficy Historian Clients.

Web-based Clients

Learn of the Web-based Clients installed with Proficy Historian. Explore Configuration Hub and the Historian Analysis App in Operations Hub. View the Historian Web Administrator and Web Trend Client. Study how to access the Historian REST API.

Historian Excel Add-in (Client)

Review the conventions of the Historian Excel Add-In. Configure and use Add-In for data retrieval and analysis.

Historian Excel Add-in (Admin)

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

Session 4

Historian OLE DB

Study the OLE DB capabilities of Historian. Use the Interactive SQL tool to retrieve data from the Historian Server. Retrieve data using a Linked Server in MS SQL Server.

Historian Security

Work with the layers of Proficy Historian Security. Configure Historian Server Security and UAA Security. Investigate using central (LDAP) security accounts with both UAA and Historian Security. Explore both Server and Root Certificates used by the Historian Web-based Clients.

Historian Troubleshooting

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

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About GE

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