Proficy Historian Analysis 5.5

Drive process improvements with analysis of your data

Features
- Search for any Historian tag
- Analyze tag data in trends
- Select native Historian query modes
- Create a personalized environment
- Save and share your analyses
- Create and share reports on the data
- Visualize, analyze, and collaborate on Proficy Historian Alarms & Events
- Create displays in the context of your plant structure
- Provide access to content based on roles.

Benefits
- Time savings with common Proficy Vision Web Server setup
- Better accessibility to data with easy-to-find tags for analysis
- Faster responsiveness with quick discovery of causes for process inefficiencies and upsets
- Smarter decisions with data available from anywhere with Web access
- Increased collaboration of information among users and shifts

Success for manufacturing and infrastructure businesses increasingly relies on timely and secure access to high volumes of process data across a broad spectrum of user personas. Only with timely and relevant insights delivered within context can businesses truly optimize operational performance. Yet, disparate client interfaces, informational models, and multiple roles and responsibilities often create silos of information that limit visibility and make collaborating and driving process improvements difficult.

GE's Proficy* Historian Analysis (PHA) is an easy-to-use Web-based tool that breaks through the silos, allowing you to get immediate value from your Proficy Historian process data. By viewing the data within trends and within context of your plant data model, you can determine root causes and turn the data into actionable information.

Easy tag search and trending
PHA enables you to easily find the needed tags for analysis and create trends to show how the process behaves. You utilize your plant production model to group and find tags by characteristic (temperature, pressure, etc.) or asset/process mode, and drag them onto the trend, drop multiple tags on a trend chart, and display multiple trend charts at one time. Simple but powerful editing tools allow you to set up your displays to unlock the meaning behind your data, which you can save as a Favorite for immediate recall or to be shared with others.

In-line reporting capability
With PHA, you can create reports from ad-hoc analysis sessions or from saved analysis Favorites. You also can add more elements as needed to suit your purposes—e.g., text, graphics, and tables—with an easy-to-use Report editor. Reports can be run against specific time periods and can be saved as report Favorites as PDF or Word documents for further collaboration and storage.

Full integration with Proficy Historian
PHA offers best-in-class direct connection to Proficy Historian, allowing quick time-to-value and the opportunity to capitalize on the full potential of your historical data. This includes support of Historian sampling modes, data types, and chart filtering.

OPC Alarm & Event visualization and collaboration
A view is provided into the Historian Alarm & Event database. Users can visualize an active Alarm grid, search for historical alarms and events, analyze alarm data, create manual alarms, and add and view Alarm Notes created by users of both Proficy mobile and desktop devices.

For example, an engineer on Shift 1 may notice unusual behavior in a process using a trend of key process data. That engineer can create a manual alarm for that process, assign it to a specific piece of equipment, attach Historian tags to the alarm, set up a custom display for those tags, save the display to the alarm as an Alarm Favorite, and inform other team members through Notes so they can perform additional analyses.

Web-based accessibility
Providing convenience and ease-of-use, PHA content is viewed through the Proficy Vision Web Server so the client can be used wherever there is Internet access, enabling you to troubleshoot processes flexibly and making it easy to collaborate within a plant or around the world. The Proficy Vision Web Server allows for organized displays so you can organize content the way you want, whether that means tying content to a piece of equipment or within a specific area of the facility. That content could be structured data such as ERP, EAM, MES, or SCADA, or unstructured data, such as social media content, spreadsheets, newsfeeds, etc., for a convenient, one-stop view.

Ease of configuration
The application allows you to easily connect to multiple Proficy Historians and see live data out of the box with minimal configuration.

Process improvements today and into the future
Designed to turn your historical data into information you can act on to improve your processes, PHA helps you visualize and troubleshoot processes through powerful analytical capabilities. Gain maximum value from your data today with PHA to drive continuous process improvements for a long-term competitive advantage.
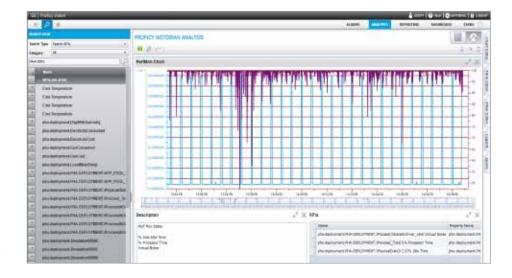
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Specifications

Software Requirements

- Operating System – Web Server
  - Microsoft® Windows® Server 2008 R2
  - Microsoft IIS Web Server 7.0 or 7.5 or later
- Operating System - Clients
  - Microsoft Windows 7 Professional (32-bit or 64-bit)
  - Windows Vista® Professional (32-bit or 64-bit)
- Additional Software
  - Proficy Workflow v2.0 (Included)
  - Microsoft Internet Explorer® 8.0
  - Microsoft IIS – 7.0, 7.5 or later

Hardware Requirements

- Server
  - 2.6 GHz Intel® Core™ Duo computer with 4 GB RAM (minimum)
  - 50 GB hard disk space (minimum)
  - CD-ROM Drive
  - Network interface software for network communications. The TCP/IP network protocol is required.
  - One free direct-connect USB port
  - XGA or better color monitor and a 100% IBM®-compatible 24-bit graphics card capable of 1024x768 resolution and at least 65535 color
  - Two-button mouse with scroll wheel or compatible pointing device (such as a touch screen)
- Client
  - 2 GHz Intel Pentium® 4-based computer with 2 GB RAM (minimum)
  - 20 GB hard disk space (minimum)
  - CD-ROM Drive
  - Network interface software for network communications. The TCP/IP network protocol is required.
  - SVGA or better color monitor and a 100% IBM-compatible 24-bit graphics card capable of 1024x768 resolution and at least 65535 colors
  - Two-button mouse with scroll wheel or compatible pointing device (such as a touch screen)

About GE Intelligent Platforms

GE Intelligent Platforms is a division of GE that offers software, control systems, services, and expertise in automation and embedded computing. We offer a unique foundation of agile and reliable technology providing customers a sustainable competitive advantage in the industries they serve, including energy, water, consumer packaged goods, oil and gas, government and defense, and telecommunications. GE Intelligent Platforms is headquartered in Charlottesville, VA. For more information, visit www.ge-ip.com.

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