Hyper Historian for Azure
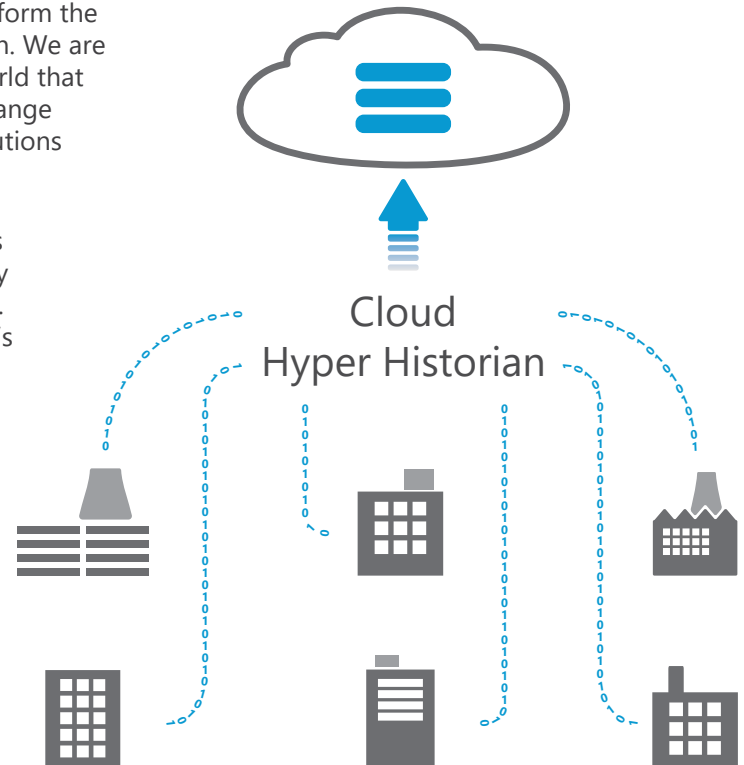
Plant-wide Historian for Real-time Data Collection and IoT Applications

ICONICS

Make the Invisible Visible™

Software has revolutionized how we do business. It has given us the capability to store vast amounts of data and the tools to perform the analysis required to turn Big Data into actionable information. We are now seeing that automation systems are evolving from a world that is server-centric to one that is services-centric. This game change requires innovation in cloud and mobile device software solutions to operate from anytime, anywhere.

Hyper Historian™ is one of the first industrial plant historians available on the cloud. It enables access to Big Data from any desktop, web browser or mobile device via Microsoft Azure™. Hyper Historian and the Cloud Connector leverage Microsoft's public, private, or hybrid cloud infrastructure to increase collaboration and efficiency without compromising security. ICONICS' Cloud Collector technology enables users to distribute their application to scale and adapt to the changing needs of their business, with instant access to KPIs and critical information from any device.

Hyper Historian for Microsoft Azure captures real-time "hot" data via IoT edge devices and then transmits it to "warm" data repositories for mid-term archiving and replay. From there, it provides the ability to archive information to "cold" data storage systems such as Hadoop or Azure Data Lake for interactive enterprise analytics.

Cloud
Hyper Historian

SCALABILITY

- Merging between Historian nodes is simple, allowing both on-premises and cloud-based servers to provide data for historical aggregation.

- Adding new sites or more data is easy and allows Hyper Historian to support expanded operations, scaling over time.
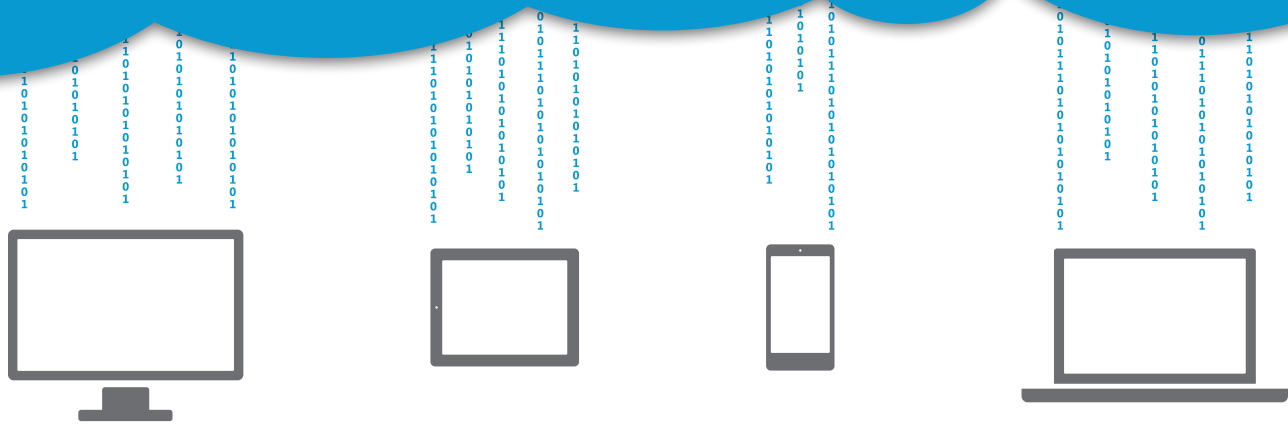
SECURITY

- Private or Hybrid cloud solutions combined with on-site storage will ensure data security and integrity without sacrificing visibility.

- Safely store data in the cloud for client access without creating an opening for attack.

MOBILITY

- Connect to data from wherever you are, using your favorite device. Hyper Historian data integrates with all ICONICS products.

- Provide aggregated metrics through Hyper Historian Performance Calculations to your decision makers where and when they need it.

Access and Control Your Data 24/7

View and Modify Historical Data Anytime, Anywhere and on Any Device

Hyper Historian for Azure is perfectly matched with ICONICS' MobileHMI™ and AnalytiX® products so that the right information can be delivered to anyone, anytime. MobileHMI delivers real-time rich visualization, historical trends and alarm notifications without compromising security. ICONICS AnalytiX solutions increase energy efficiency and improve productivity and product quality, making customers' businesses more profitable, agile, efficient and sustainable.

ICONICS Cloud Connector for Microsoft Azure is a scalable new technology that provides both real time and historical data from devices such as meters, sensors and processors to and from the cloud with the strictest security. The Cloud Connector is IT-friendly and requires no changes to firewalls or corporate infrastructure. When combined with our AnalytiX, MobileHMI and Big Data Hyper Historian products, ICONICS offers a complete set of solutions that can help any organization move from being server-centric to new cloud-based, services-centric technology.

Microsoft Azure

Solutions for Any Application

ICONICS' software suite is perfectly suited to any industrial, manufacturing, energy or building automation application, thanks to its easy-to-use configuration wizards. For over thirty years, ICONICS has met real customer needs in multiple industries, including:

- Automotive/Robotics
- Consumer Products
- Energy Management
- Logistics & Warehouse
- Pharmaceuticals
- Process Industries
- Smart Grids

- Building Automation
- Data Centers
- Food & Pharmaceutical
- Machine Builders & OEMs
- Pipelines
- Renewable Energy
- Transportation

- Chemical
- Discrete Manufacturing
- Government
- Oil & Gas and Petrochemical
- Power & Utilities
- Retail
- Water & Wastewater

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