PROFICY HISTORIAN FOR CLOUD FROM GE VERNOVA

Reduce costs and support analytics with the world's only cloud-native operational historian

Achieve enterprise-scale OT data in the cloud for greater visibility, IoT analytics, and optimization

Industrial organizations have moved beyond skepticism about putting their OT data in the cloud. Today, the question is how, not why, as companies seek to unlock the full potential of analytics and leverage IT cloud investments. Proficy Historian for Cloud is the world's only cloud-native operational data historian. This cloud-based industrial data management software:

- Allows simple, secure-by-design, reliable movement of OT data to the cloud, at scale
- Is available on AWS and Azure
- Leverages existing IT cloud investments and support IT data strategies
- Drives easy OT data integration with the enterprise data lake
- Enables the full potential of cloud-base d analytics for optimization

With Proficy Historian for Cloud, you can combine leading historian innovation recommended by industry analysts and customers around the world with the benefits of cloud-based data management.

OUTCOMES

- Reduce deployment time and costs using best-in-class historian innovation combined with the cloud
- Improve performance with high availability
- Increase agility through Proficy Historian's autoscaling
- Improve system availability with zero downtime upgrades
- Decrease maintenance time and costs through a cloud deployment
- Enable enterprise optimization with OT data availability for analytics

01 Achieve OT data management – at scale in the cloud – for visibility and analytics

With Proficy Historian for Cloud, users can:

- Leverage cloud technology for deployment, data replication, scalability, and zero downtime upgrades
- Align with your enterprise data strategy – including using this Marketplace application that counts toward your EDP (volume agreement)
- Maintain the interoperability with existing on-prem applications
- Simplify moving mass-scale data to the cloud and to the data lake
- Run in your VPC, giving you control over your data and simplifying integration with your choice of AI/ML and analytics applications

02 Deploy in minutes, saving time and accelerating the value of OT data

Proficy Historian for Cloud allows you to be fully deployed in minutes in your AWS or Azure VPC. You don't need to learn new technologies, and this isn't a platform requiring custom development.

With Proficy Historian for Cloud, you have a true operational historian architected to take advantage of cloud infrastructure and easily integrating OT data with your data lake and analytics tools.

03 Leverage world-class historian innovation, proven at thousands of companies globally

Proficy Historian for Cloud provides the same very efficient storage and retrieval as on-prem deployments (collector-based and archiver-based compression). This is innovation proven at tens of thousands of industrial organizations around the world.

GE Aerospace Reduces Costs by More Than 20%, Decreases Downtime and Improves Reliability with Proficy Historian for Cloud

GE Aerospace uses Proficy Historian to manage OT data in 32 manufacturing plants.

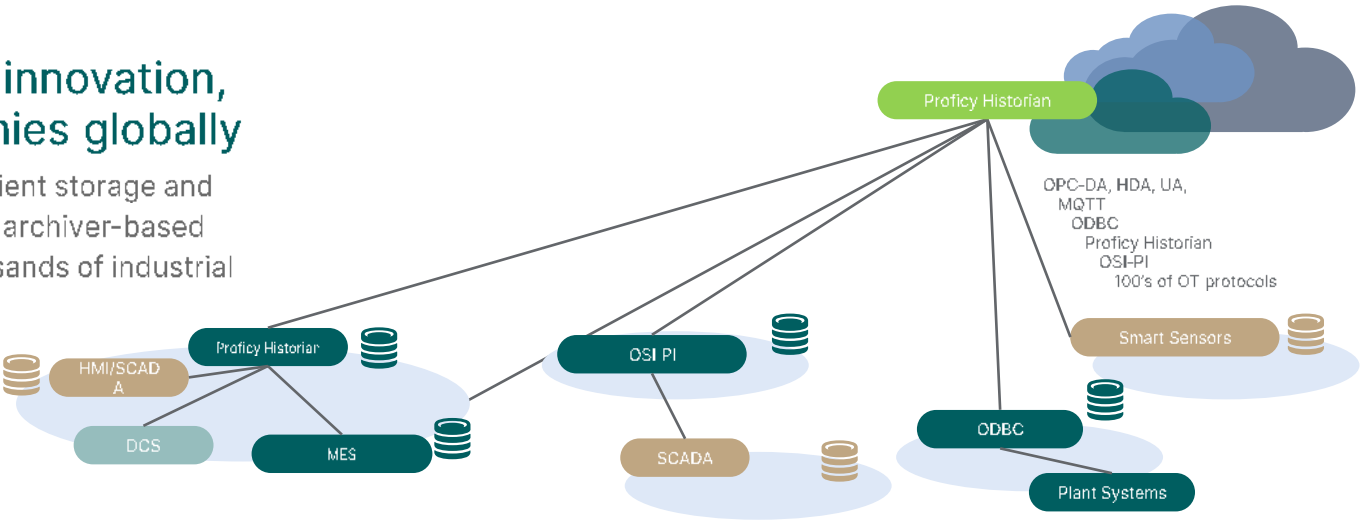"Managing this amount of data is costly," said Bill Andrews, Technical Product Manager, GE Aviation.

"By moving from 32 distinct deployments to a single deployment of Proficy Historian on AWS, we can dramatically reduce management costs and downtime while improving value, scalability, and reliability."

The company expects to reduce infrastructure costs by more than 20% and annual resources by $185K.

The team will also improve system availability by eliminating more than a month of planned downtime and enabling a common data store accessible by thousands of enterprise-wide employees.

"No longer is there a default choice in historians. If GE Digital's Proficy Historian is not on your short list, it certainly should be."

Joe Perino, Principal Analyst, LNS Research

PROFICY HISTORIAN FOR CLOUD FROM GE VERNOVA

GE VERNOVA

Reduce costs and support analytics with the world's only cloud-native operational historian
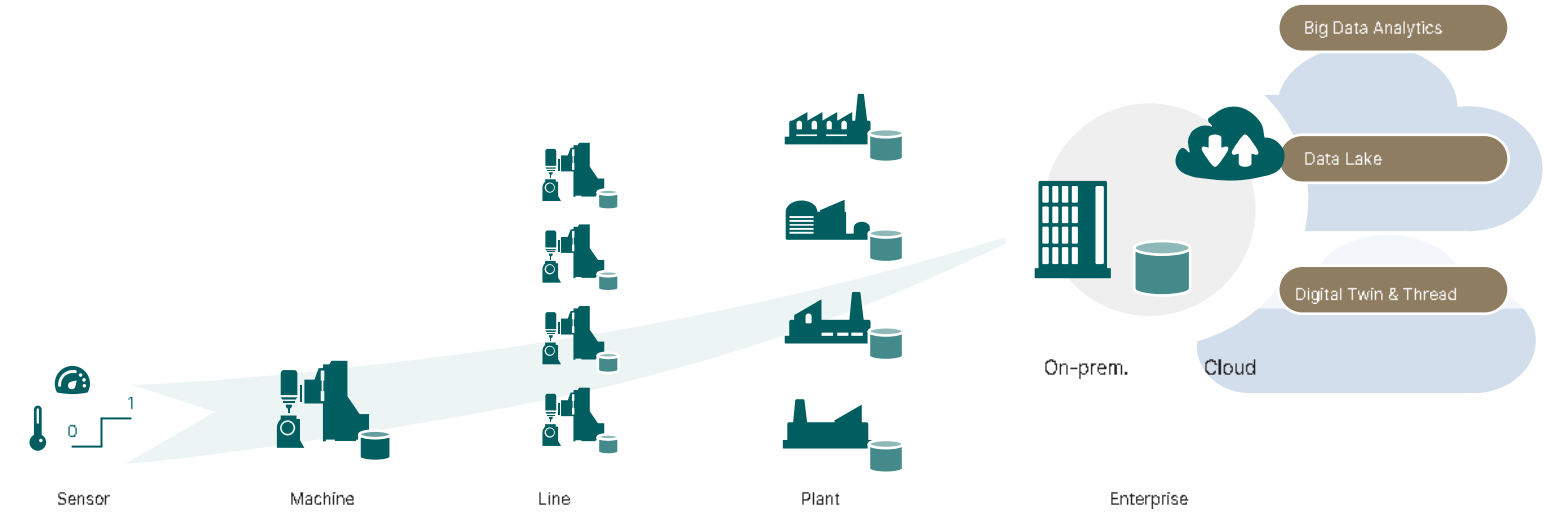
Features

- A true operational historian architecture to take advantage of cloud infrastructure
- Provides same APIs as on-prem version, zero integration effort
- Fully deployed in minutes in your AWS or Azure VPC
- Expert enablement and support for on-prem deployment to cloud migration
- A Marketplace application that counts toward your cloud provider volume agreement
- Capable of the same efficient storage and retrieval as on-prem deployments
- Collects industrial time-series data at tens of millions of records per minute
- Securely sends OT data to Proficy Historian for Cloud directly from IoT sensors, equipment or existing on-prem applications such as Proficy Historian, OSI PI, SCADA or DCS systems, etc.
- Stores data efficiently on the cloud using file-based storage, enabling data replication for high availability at low cost
- Ease budget management with simple to predict consumption pricing & fixed fee term license pricing
- Simple export to Parquet enables easy value creation from data using AWS Data Lake, AI/ML and analytics tools

- Parquet export for IT integration
- Legacy Data Migration from on-prem to cloud
- Encrypted data to the cloud, secure by design
- Deployed and managed through Kubernetes
- Fully accessible with on-prem tools users leverage today (e.g. Excel)
- Autoscaling
- Zero downtime upgrades
- Multi-pod and multi-geographic* zone data replication
- Hundreds of protocols
- Full integration with the Proficy portfolio

Get Started in 5 minutes!

- Navigate to the Amazon Marketplace
- Search "historian"
- Select which commercial model deployment you want:
  - Term license (BYOL)
  - Consumption Pricing model
- Start the subscription process

Consult product documentation for hardware/software requirements. Confirm standard vs optional features with GE Vernova representative. Specifications are subject to change without notice. Results and functionality vary, depending on existing hardware/software, applications, implementation, and other factors.

Common Use Cases

Cloud-deployed historian for a plant

- Gain an operational historian without waiting for a server while reducing IT costs & total cost of ownership
- Secure local data access with long-term ability to get data to the cloud
- Easily migrate legacy data

Aggregation across the enterprise

- Manage OT data at several plants, including different data sources per plant
- Achieve enterprise-scale data governance
- Gain ability to view aggregated data across the enterprise to do cross-business analytics and optimization

Heterogeneous OT data at scale (single or multi-site industrial)

- Manage large volumes of OT data from a variety of sources (SCADA, DCS, historians, IoT, etc.)
- Get the right data into the data lake at high scale
- Gain a complete OT-to-data lake solution

LEARN MORE ABOUT HISTORIAN