

Apis OPC Historian



Log Everything - No Engineering Required



Apis OPC Historian is a proven real-time data historian with superior performance and scalability

Optimized time-series database engine

- Highly optimized time-series storage with efficient compression: a full year of 10,000 signals sampled every second fits on a 300GB hard drive.
- Extremely strong performance – we can document sustained storage of more than 5,000,000 value/quality/time records (VQT) per second even on low-cost HW servers.
- Mix storage scenarios on a single system, each with different sliding horizons and sample intervals down to 10ms or use event-based storage to store with higher frequency.
- Runs efficiently on low-end hardware and can co-exist with other real-time applications, thereby greatly reducing hardware costs.
- Highly reliable with a proven record in mission-critical environments such as maritime offshore, oil & gas drilling and production and manufacturing industries.
- Available in both 32-bit and 64-bit versions.

Easy to use

- Many data-access and programming possibilities including .NET Apis, OLEDB/ADO, ODBC and OPC HDA.
- Access trend data directly using Apis Process Explorer, an Excel plug-in, or a variety of export/import solutions
- Available with a large number of modules and products for additional capabilities and integration, e.g. Alarm & Events handling and multivariate data analysis.

High availability and scalability

- Functionality for load-balancing across multiple and parallel Historian and OPC HDA services: adding additional servers increases performance almost linearly.
- Can handle more than 1 million databases and hundreds of millions of items.
- Shared database storage (i.e. NAS/SAN) can be read and written to from all servers in a server farm.
- Increase availability with redundancy between nodes in a OPC Historian server farm.

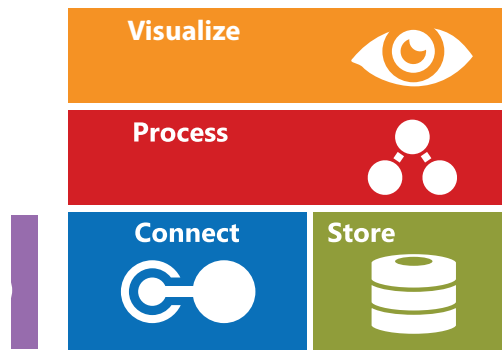
Replication functionality

Apis Replication Services distributes all or parts of Apis OPC Historian databases between servers either locally or via the internet. Examples of uses include:

- Replicate time-series data from edge servers into a centralized Apis OPC Historian
- Replicate data between a Apis OPC Historian server used for data collection to a separate server designated to handle reporting
- Export data from a 3rd party OPC HDA server into Apis OPC Historian

Apis Replication Services handles communication through firewalls and over unreliable internet connections without hassle. Data is highly compressed in order to keep necessary bandwidth to a minimum.





The Apis Industrial IT platform

Partners

Prediktor has worked with Original Equipment Manufacturer (OEM) and Value Added Reseller (VAR) partners since 1997, and continue our dedicated support to these partners with flexible programs that are specifically tailored to address our partners' varying needs. As a Prediktor partner, you will get the following benefits:

- Access to world-leading real-time software that adds great value to your existing products or enables your company to create completely new applications allowing you to reach entirely new markets.
- A partnership with a company with strong expertise within real-time solutions, time-series databases, multivariate data analysis and real-time mathematical prediction models.
- Cooperation with personnel with strong technical experience within Oil & Gas, Maritime and Manufacturing.
- Strategic business benefits such as co-marketing, pre-sales and after-sales support. We can offer our partners direct access to software developers.
- Flexible licensing models that can be adapted to fit your business models.

Prediktor offers a complete real-time Industrial IT platform, Apis, which enables partners and customers to:

- Connect
- Store
- Process
- Understand

data and information in real-time.

Examples of areas where our software can be an ideal choice and we have proven references are:

- Real-time applications using mathematical models
- Large scale connectivity and logging applications
- Data connection through OPC UA enabling of existing technology

We also offer business models where we can develop new components or add functionality as to our existing software platform. We can customize any component at our partners' request, thereby guaranteeing that our products are a 100 % match to our partners' needs.

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Specifications are subject to change without notice.

