Local Historian Plug-In for KEPServerEX

KEPServerEX – Communications Platform

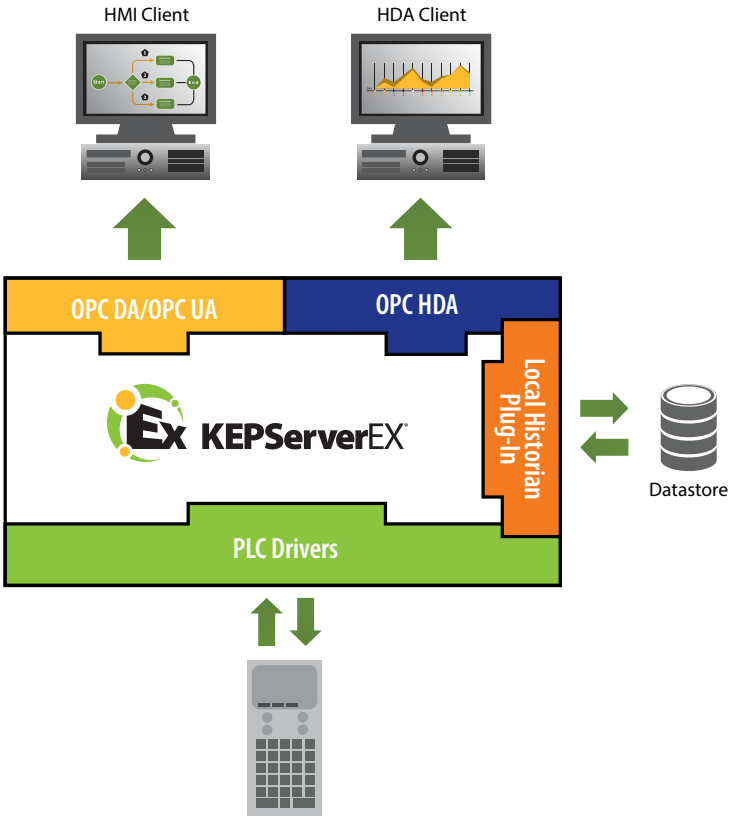
The Local Historian Plug-In for KEPServerEX moves data collection, storage, and access closer to the data source to prevent data loss and improve operational efficiency via open access and a single product solution. By plugging into the KEPServerEX communications platform, the Local Historian can connect to any device and add devices in real-time without operational downtime. Its plug-in architecture simplifies configuration, provides flexibility, and makes the information accessible across OPC HDA (an open standard).

Plug-In Features

- Collects data consisting of a value, quality, and timestamp from any data source in the server (such as drivers, plug-ins, or system tags)
- Collects from both static and dynamic server tags
- Supports persistence to a volume on the local machine (which can be a fixed drive or removable media)
- Supports access to historical data via OPC HDA 1.20
- Supports processed read requests (OPC HDA aggregates)
- Supports data timestamps with one millisecond resolution
- Supports configurable data collection scan rates as frequent as 10 milliseconds
- Supports collection deadband
- Has a configurable data retention policy
- Imports historical data that has been backed up and removed from active use
- Has a built-in historical data viewer for quick troubleshooting
- Supports tiered licensing for up to 10,000 tags

Supported Protocol

- OPC HDA 1.20 client access



Kepware

KEPServerEX

Proven Interoperability

- **150+ Communication Drivers with More than 250 Unique Protocols.**
- **Supports Open Standard Interfaces:**
  - **DDE Formats:** CF_Text, XL_Table, Advanced DDE, and Network DDE.
  - **OPC Alarms and Events (OPC AE):** 1.0 and 1.10.
  - **OPC Data Access (OPC DA):** 1.0a, 2.0, 2.05a, and 3.0.
  - **OPC .NET:** 1.20.2.
  - **OPC Unified Architecture (OPC UA):** 1.01.
  - **Thin-Client Terminal Server:** Windows Remote Desktop.
- **Supports Native Vendor Interfaces:**
  - Wonderware FastDDE & SuiteLink.
  - GE NIO for iFIX.
  - Oracle.
- **Advanced OPC and Channel Diagnostics.**

Centralized Communications

- **Single Server Platform for All Communications.**
- **Consistent, User-Friendly Interface.**
- **Automatic Tag Generation.**
- **CSV Import/Export.**
- **Advanced Tags for Linking and Computations.**
- **Write Optimization and Error Recovery.**
- **Advanced User Management.**

On-Demand Scalability

- **Plug and Play Device Drivers and Communication Options.**
- **Parallel Configuration and Live Operation via Separate Configuration and Runtime.**
- **Multi-Threaded Channel Architecture.**

Industrial Strength

- **OPC Certified Compliance.**
- **Strict Internal Quality and Control Standards.**
- **Media Level Redundancy.**
- **Endorsed by 15 Top OEMs.**

Requirements

Supported Operating Systems

- ☑ Windows 8
- ☑ Windows 7 Professional/Enterprise/Ultimate
- ☑ Windows Server 2012
- ☑ Windows Server 2008 and 2008 R2
- ☑ Windows Vista Business/Enterprise/Ultimate
- ☑ Windows Server 2003 SP2
- ☑ Windows XP Professional SP2

Minimum PC Hardware Requirements

- ☑ 2.0 GHz Processor.
- ☑ 1 GB installed RAM.
- ☑ 180 MB available disk space.
- ☑ Ethernet Card.
- ☑ Super VGA (800x600) or Higher Resolution Video.

About Kepware

Kepware Technologies is a private software development company headquartered in Portland, Maine. Kepware provides a portfolio of software solutions to help businesses connect diverse automation devices and software applications. From plant floor to wellsite to windfarm, Kepware serves a wide range of customers in a variety of international vertical markets including Manufacturing, Oil & Gas, Building Automation, Power Distribution, and more. Established in 1995 and now distributed in more than 100 countries, Kepware's software solutions help thousands of businesses improve operations and decision making.

Contact Information

Support
1 (207) 775-1660 x211
support@kepware.com

Sales
1 (207) 775-1660 x208
sales@kepware.com

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