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

Supported Protocols:

- OPC DA/OPC UA
- OPC HDA
- Local Historian
- Datastore
- PLC Drivers
- HMI Client
- HDA Client
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.
- 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
- [x] Windows 8
- [x] Windows 7 Professional/Enterprise/Ultimate
- [x] Windows Server 2012
- [x] Windows Server 2008 and 2008 R2
- [x] Windows Vista Business/Enterprise/Ultimate
- [x] Windows Server 2003 SP2
- [x] Windows XP Professional SP2

Minimum PC Hardware Requirements
- [x] 2.0 GHz Processor.
- [x] 1 GB installed RAM.
- [x] 180 MB available disk space.
- [x] Ethernet Card.
- [x] 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.

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