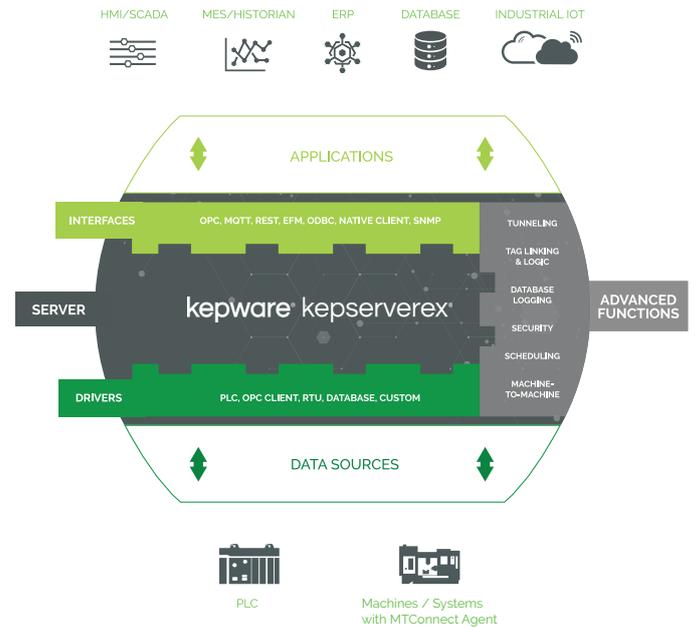# MTConnect Client Driver

KEPServerEX

Kepware's MTConnect Client Driver for KEPServerEX is a communications interface to MTConnect-compliant agent applications. Kepware® Server's extensive library of communication protocols and client interfaces makes MTConnect data available to users. MTConnect is an Open standard for linking shop floor technologies that furthers the automation industry's goal of seamless manufacturing operation. Kepware® Server is designed to accommodate organizations' evolving communication demands. The MTConnect Standard XML and Internet Protocol technologies provide managers with the factory's real-time data. This provides users the opportunity to develop more efficient operations with improved production optimization and increased productivity.

Driver Features

- Supports MTConnect v1.1-1.6 and 2.0 with XML 1.0 schema validation enabled or disabled

- Supports MTConnect v1.7 and 1.8 with schema validation disabled

- Command Support:

  - Probe: Utilized for automatic tag generation

  - Current: Current value of a data item

- MTConnect Data Item Sets

  - Event, Condition, Sample and Stream

- Support for 256 Unique Communication Channels

- Support for 256 MTConnect Agents per Channel

- Automatic Device/Agent Discovery

- Automatic Tag Generation

- Automatic Device Demotion

About Kepware

Kepware's software solutions connect diverse automation devices and software applications and enable the Industrial Internet of Things.

Trusted in more than 75,000 sites world-wide, KEPServerEX provides a single source of industrial data to all automation devices, machines, and software applications. With built-in security, scalability, and a library of more than 150 drivers and advanced plug-ins, Kepware Server has the flexibility to overcome any data connectivity challenge.

Product Features

KEPServerEX provides the global connectivity, usability, and performance required by the enterprise—enabling improved decision making from the plant floor, to IT, to the boardroom.

- Scalable unified architecture, providing the flexibility to combine drivers and consume multiple protocols in a single server

- Industry-leading reliability, tested by independent organizations

- Multiple redundancy options to ensure resiliency, high reliability, and uptime in critical applications

- Enhanced messaging security via TLS for secure, authenticated, and encrypted communications across various network topologies

- Simulation options for testing prior to deployment, and rich event logging and diagnostics for easy troubleshooting

- Single point of access for data, streamlining maintenance, configuration, and troubleshooting

- Automatic tag generation and device discovery for rapid project deployment

- Configuration API for enterprise management of one or more servers

- Compatible with leading hypervisors, such as VMware and Hyper-V, for deployment on public and private clouds

- Integrates with IT applications for visibility into operational assets at any time from any location

- IoT-ready, interfacing with on-premise web servers and offpremise Cloud applications for real-time insight into industrial operations
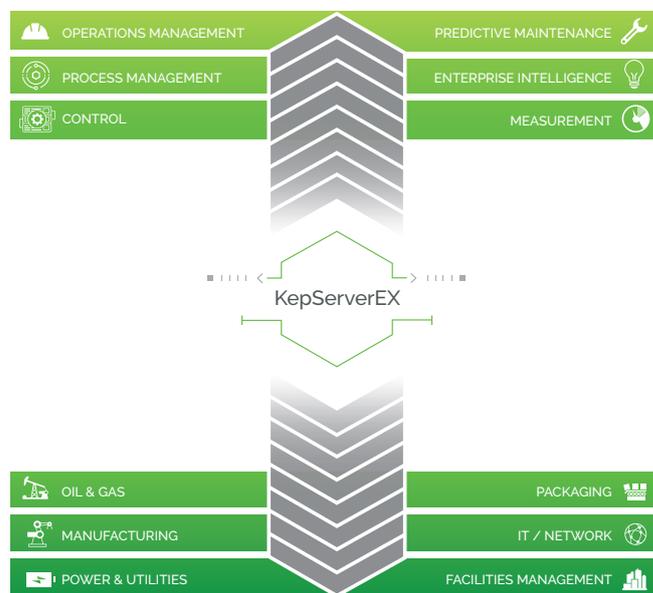
Visit Kepware online to learn more and download free, fullyfunctioning demonstration software

Support Program

Kepware's award-winning support keeps your critical automation projects performing at an optimum level. Support & maintenance is available for all Kepware products.

Contact Information

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OPERATIONS MANAGEMENT	PREDICTIVE MAINTENANCE
PROCESS MANAGEMENT	ENTERPRISE INTELLIGENCE
CONTROL	MEASUREMENT

KepServerEX

OIL & GAS	PACKAGING
MANUFACTURING	IT / NETWORK
POWER & UTILITIES	FACILITIES MANAGEMENT

Supported Operating Systems

- Windows Server 2019, 2016, 2012 and 2012 R2, 2008 R2
- Windows 10 and 8
- Windows 10 IoT Enterprise
- Windows 7 Ultimate, Enterprise, and Professional

System Requirements

- 2.0 GHz processor
- 1 GB installed RAM
- 180 MB available disk space
- Ethernet card
- Super VGA (800x600) or higher resolution video

Available Languages

- English
- German
- Japanese
- Simplified Chinese