# IEC 60870-5 OPC Server Suite
## Kepware Server – Communications Platform

The IEC 60870-5 Suite of drivers for Kepware server connects to IEC 60870- 5-101 and IEC 60870-5-104 devices in an electrical substation that includes RTUs, IEDs, controllers, and gateways. The IEC 60870-5-101 and IEC 60870-5-104 drivers work in with Kepware to provide connectivity and communications with HMI, SCADA, and historian client applications.
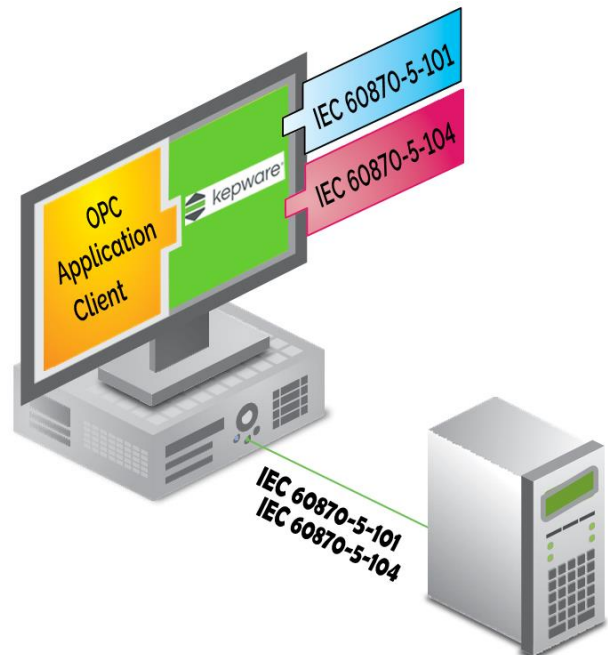
## Protocols

- IEC 60870-5-101 Client
- IEC 60870-5-104 Client

## Supported Devices

- Devices supporting IEC 60870-5-101 Protocol
- Devices supporting IEC 60870-5-104 Protocol

## IEC 60870-5 Suite Features

- Supports Sequence of event data with playback
- Supports cyclic, background scan, and polled reads
- Supports Select & Execute and Direct Execute for writes
- Supports General Interrogation and Counter Interrogation
- Supports Time Synchronization
- Supports the most common ASDUs
- Supports Balanced & Unbalanced communications

# 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-&-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
- ✓ SVGA (800x600) or Higher Resolution Video

# About Kepware

Kepware, a subsidiary of PTC, Inc. is a software development company in 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 range of customers in a variety of international markets including Manufacturing, Oil & Gas, Building Automation, Power Distribution, and more.

# Contact Information

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