thingworx® kepware® server

RELIABLY SCALE YOUR IIoT OR INDUSTRY 4.0 INITIATIVE WITH ROBUST CONNECTIVITY

Poor connectivity to industrial assets can extend digital transformation timelines, inflate costs, and increase architectural complexity. ThingWorx® Kepware® Server provides a single, robust interface to industrial data, and has been trusted by operations and engineering for almost 25 years.

ThingWorx Kepware Server solves one of the most complicated and critical aspects of your IIoT or Industry 4.0 project: connectivity to the devices that run production.

Streamlining connectivity is vital to achieving a fully digital factory, but disparate and legacy machinery with various protocols can complicate architectures and increase implementation time. ThingWorx Kepware Server eliminates these technical hurdles by enabling you to create a standardized connectivity layer that connects ThingWorx to the diverse automation devices and sensors across all your factories or production environments. With ThingWorx Kepware Server, industrial connectivity is covered.

Premier Connectivity to ThingWorx

ThingWorx Kepware Server features a native interface to the ThingWorx Platform. The AlwaysOn protocol only allows a connection to be established by the edge, which minimizes attack surfaces within the operations network. ThingWorx Kepware Server has robust store-and-forward capabilities to ensure valuable data is not lost in the event of a network outage. Lastly, ThingWorx enables users to monitor multiple instances of ThingWorx Kepware Server and create alerts or workflows as a result of device or server errors.

Accelerate your IIoT Implementation

Built by the connectivity experts at Kepware and trusted at over 75,000 sites, ThingWorx Kepware Server provides a reliable, scalable, and secure connectivity module to ensure Industry 4.0 projects stay on schedule and on budget, improve the security of your operations/OT network, and cover connectivity needs today and in the future.

Speed & Reliability:

Kepware solutions allow you to connect devices in minutes and have been trusted by engineering and operations for many years. ThingWorx Kepware Server will enable you to collect data both OT and IT can use as the "one source of truth" without writing custom code or interrupting production.

Scalability:

Factories are heterogeneous environments, and connectivity is often difficult to scale because few solutions can connect to all industrial assets. ThingWorx Kepware Server connects to almost any asset on the plant floor, so you can easily scale it within and across factories. ThingWorx Kepware Server provides standardized data access to ThingWorx, so you don't need to waste time creating custom connectivity for each new asset or facility.

Security:

Implementing ThingWorx Kepware Server along with ThingWorx can help improve cybersecurity by converting insecure protocols to secure protocols, minimizing attack surfaces, and fostering segmentation of the operational network.

Support:

ThingWorx Kepware Server is supported by a team of dedicated and award-winning connectivity experts to ensure your projects stay on track.

Industrial Connectivity Challenges

- Data access from automation devices and sensors from many different vendors
- Scaling an IIoT or Industry 4.0 solution past PoC
- Taking the first step in an Industry 4.0 implementation
- Securing operations or OT networks
- Achieving buy-in from Automation / Plant Engineering groups

How ThingWorx Kepware Server Helps

- Quickly and easily connects diverse automation devices and sensors to ThingWorx
- Has the most built-in connectivity of any solution, making it easy to scale
- Enables and promotes network security best practices
- Well-known and respected by Automation teams; proven at over 75,000 sites
- Allows you to access a dedicated support team to help you get your project up and running quickly

Organizational Benefits

- On time and on budget deployment of Industry 4.0/ Industrial IoT solutions
- Deployments/implementations that scale beyond the initial PoC
- Improved security and reliability for your operations or ICS networks

Solidifying the Most Comprehensive IIoT Platform on the Market

ThingWorx Kepware Server provides a foundational element of any Industry 4.0 or connected operations solution. ThingWorx is the only IIoT platform with native industrial connectivity to diverse industrial devices and sensors. With a complete portfolio including unified connectivity to all industrial assets across the enterprise, a world-class rapid industrial application development platform, advanced analytics capabilities, and Augmented Reality solutions, PTC is your strategic partner for end to end transformation.