



thingworx®

One Platform. Unlimited Innovation.

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# MANAGE



MANAGE AND ORCHESTRATE SMART, CONNECTED ASSETS







Effective management of connected devices and control processes is critical to IoT success. ThingWorx empowers users to easily define, monitor, manage, and optimize the performance of connected devices and processes. ThingWorx solutions offer a number of components and capabilities for system administrators and users to simplify cumbersome tasks, including software content management, automated deployment and dependency management, enterprise system integration, and workflow capabilities.

Out-of-the-box functions and applications ensure optimal performance of assets and operations. These capabilities empower operations to provide substantial value in the form of increased uptime, reduced costs, role-based visibility and control, and improved compliance.



### With ThingWorx, enterprises easily:

- Manage deployments of any size and scale from a single location
- Accelerate the time to value by enabling simple administration of end-to-end industrial IoT use cases in any environment
- Reduce the time and skill required to implement and integrate ThingWorx solutions into existing environments and processes
- Provide enterprise-wide visibility of applications and systems to foster maximum productivity across functions





**ThingWorx solutions include the following functionality:**

### **ThingWorx Solution Central**

ThingWorx Solution Central is a centralized portal in the cloud that allows system administrators to efficiently discover, deploy, and manage ThingWorx applications across the enterprise, from a single location.

### **Accelerate Solution Deployment**

ThingWorx Solution Central automatically identifies dependencies for locally-created ThingWorx applications and packages them for rapid deployment to any ThingWorx instance, fostering maximum productivity.

### **Enable Efficient DevOps**

Deployments of any size and scale are managed with speed and repeatability using an intuitive UI-based environment for deployments to a single environment or automation-ready APIs for publishing to multiple environments.

### **ThingWorx Flow**

ThingWorx Flow enables users to easily create and manage flows of information among enterprise systems in a visual, codeless environment to automate business processes and accelerate time to value.

### **Orchestrate the Flow of Information**

Visual, codeless environment makes it easy for users in any role to create, modify, and understand interactions between enterprise systems and orchestrate data flows between them to facilitate a seamless flow of information.

### **Implement End-to-End IoT Use Cases**

Data flows automate processes by facilitating the progression of information as it triggers actions in each system to achieve a specific result – such as a flow that begins with an alert from a device and ends with a completed service ticket.

### **ThingWorx Software Content Management**

ThingWorx Software Content Management ensures a secure, reliable interface to remote assets to reduce the complexity of mass software distribution.

### **Ensure Secure, Reliable Distributions**

Software package creation and deployment via ThingWorx Edge or Microsoft® Azure® IoT Edge offloads error-prone processes from customers and simplifies content scheduling, testing, and monitoring.

### **Optimize the Service Experience**

Package and deployment dashboard enables remote software patches and tracks and records distribution status with full audit trail to ensure current versions in the entire population.





## The ThingWorx Difference

ThingWorx delivers the complete, end-to-end capabilities needed to rapidly develop and deploy IoT solutions and ensure the success of industrial IoT implementations:

|  |   |
|--|---|
| <b>Purpose-Built for Industrial IoT</b>      | With extensive domain expertise built on nearly two decades of IoT innovation, ThingWorx delivers the functionality and flexibility needed to drive a rapid ROI – with the security and scalability required to expand industrial IoT solutions throughout the enterprise.  |
| <b>Quickly Create and Deploy</b>             | Drag-and-drop environment enables the creation of applications without manual coding and integrates all platform components and third-party systems, accessed with a single user interface.   |
| <b>Agile and Flexible</b>                    | ThingWorx provides the greatest flexibility enabling businesses to build, deploy and maintain their applications and solutions on their own terms. It can be deployed anywhere – in the cloud, on-premise, or hybrid – integrates data from any source, and delivers applications to anyone on nearly any device. |
| <b>Wrap &amp; Extend Existing Technology</b> | ThingWorx is designed to wrap and extend existing IT investments, seamlessly integrating with applications, enterprise systems, and cloud technologies. This enables businesses to add the power and capabilities of ThingWorx and keep their current infrastructure.   |
| <b>Vibrant Ecosystem</b>                     | ThingWorx provides extensive developer and user support through multiple channels, including trials, content, training, and tutorials. ThingWorx maintains an expansive partner ecosystem and offers complimentary solutions and services in the PTC Marketplace.   |



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