

# What's New in ThingWorx 9.1

## Platform Capabilities

- New ThingWorx Open JDK11 support, maintains compatibility for extensions written by customers
- Optimal transport for OPC UA data to ThingWorx applications
- Microsoft Azure IoT Hub Connector now supports high availability and horizontal scalability with ThingWorx
- Microsoft Azure deployment ARM templates enable easier provisioning of environments required for ThingWorx installs

## Composer Enhancements

- Improved support for faster application development on ThingWorx through project view
- New building blocks, projects, and widgets simplify creation of applications
- Inspect quality, losses, and alert information with the new Pareto Chart widget
- New ability to self-manage your enterprise users and roles in Solution Central with its new Azure AD support

## Security Improvements

- Improved administrator support for SSO use cases with ThingWorx
- Data exchange process streamlined with ThingWorx Flow OAuth Connector, providing access to enterprise data in the cloud or on premise while maintaining secure identity authorizations

## Keeware Updates

- Keeware 6.9 release:
  - Enhanced data type and structure support in OPC UA Client driver
  - Oil & Gas driver updates to improve reliability of EFM exports
- ThingWorx Keeware Server now supports Active Directory integration, giving administrators more flexible access control to help ensure the integrity of OT systems and data

## ThingWorx Applications

### Remote Service and Monitoring

- ThingWorx Asset Advisor
  - Leverage ThingWorx Asset Advisor features such as remote monitoring and servicing capabilities for higher scale needs
  - Comfortably ingest telemetry, calculate status, and view assets list
- ThingWorx Software Content Management
  - Set a remote property value as part of the Software Content Management instruction package to put assets in "maintenance mode", blank a screen, or lockout keyboard and mouse access
- Global Access Server Updates
  - RAC is now updated so multiple sessions can be established, and connection latencies are dramatically reduced

### ThingWorx Operator Advisor

- Improved performance for customers that reuse process plans