Disparate and deployed connected devices can provide the enterprise a unique touch point to real-world operations and conditions. But collection, storage and insight of the machine data generated by the IoT can be a challenge.

Splunk software ingests, analyzes and visualizes real-time and historical machine data from any source—including industrial control systems and connected devices—enabling you to improve operations, ensure safety and compliance, perform preventative maintenance and better manage the lifecycle of assets. Use Splunk to collect, index and harness the power of the machine data generated by connected devices and machines deployed on your local network or around the world.

**Connecting Splunk to Industrial Data and the IoT**

**Modular Inputs**
Use MQTT, COAP, AMQP, JMS and other modular inputs for Splunk to enable you to quickly and easily configure connectivity to these message brokers and protocols.

**Kepware Industrial Data Forwarder for Splunk**
Get real-time data collection from over 150 open and proprietary industrial data protocols common in energy, manufacturing, and oil and gas environments.

**HTTP Event Collector**
Use a standard API and token-based authentication to let applications and devices send millions of events per second directly to Splunk Enterprise or Splunk Cloud for analysis.
Why Splunk for Industrial Data and the IoT?

Monitoring and Diagnostics
Ensure that equipment in the field operates as intended. Monitor and track unplanned device or system downtime. Understand the cause of failure on a device to improve efficiency and availability. Identify outliers and issues in device production or deployment.

Security, Safety and Compliance
Help protect mission-critical assets and industrial systems against cybersecurity threats. Gain visibility into system performance or set points that could put machines or people at risk, and satisfy compliance reporting requirements.

Preventative Maintenance and Asset Lifecycle Management
Gain real-time insight into asset deployment, utilization and resource consumption. Recognize patterns and trends, and use operational data to proactively approach long-term asset management, maintenance and performance.

Splunk Integrates With Leading IoT Platforms and Services
As businesses build and deploy connected devices, they are also deploying a new generation of commercial IoT platforms and services. These platforms and services enable device connectivity, visibility and simple provisioning and remote device management; they act as both a gateway to device operations and provide a platform for interaction with remote device operations and performance.

Splunk software enables powerful machine data analytics for the Internet of Things, and eliminates the need to build them from the ground up. Leading IoT platforms including Xively by LogMeIn, Citrix Octoblu, and AWS IoT are already integrated with Splunk software, enabling fast time to value for developers and end users.

Download Splunk for free or explore the online sandbox. Whether cloud, on-premises, or for large or small teams, Splunk has a deployment model that will fit your needs. Learn more about how Splunk customers like Coca-Cola, Bosch, and New York Air Brake are realizing value from industrial data and the IoT.