

Accelerating IoT Adoption Through Simplified Device and Application Management

Challenges

Operational Blind Spots Lead to Missed Opportunities

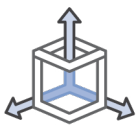
Companies that manufacture or operate machinery and devices know that performance data is vital to their business. All too often, though, a lack of visibility into operations can prevent them from tracking and generating actionable data. This can keep companies from identifying operational inefficiencies and even prevent them from responding in real-time to signs of malfunction or failure. It can also mean missed opportunities to learn from and engage with end customers.

The Cumulocity IoT Solution

Seamless Connectivity and IoT Insights

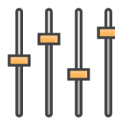
Cumulocity Internet of Things (IoT) by Software AG is a Software-as-a-Service (SaaS) device and application management solution that delivers operational insights by allowing businesses to easily connect and remotely manage machinery and devices. Using internet-enabled sensors and Cumulocity IoT software, companies can remotely monitor and manage a range of machine conditions in real-time, including temperature, light, motion, location, and more. The performance data is stored on Amazon Web Services (AWS) and then visualized and shared through a customizable dashboard.

Cumulocity IoT helps companies manage machines, devices, and other products in innovative ways. It enables practices such as predictive maintenance, which aims to prevent failures before they ever happen, and geofencing, which creates virtual barriers that control product functionality based on location. New methods of customer engagement are even made possible, including real-time delivery of promotions or surveys in response to product interactions.



SCALABLE AND RELIABLE

Easily scales to handle 100,000s of devices and connects with carrier-grade reliability across 20 global data centers.



CUSTOMIZABLE VIA APPLICATION PROGRAMMING INTERFACES (APIs)

Allows developers to extend existing functionality or write entirely new applications.



DELIVERS REAL-TIME STREAMING AND PREDICTIVE ANALYTICS

Continuously reports current machine conditions and flags areas of potential concern.

Key Benefits



ACCELERATES IOT TIME-TO-VALUE AND ROI

Connects and manages devices quickly with a no-code, plug-and-play approach that includes:

- Pre-packaged solutions (Condition Monitoring, Predictive Maintenance, and Track & Trace)
- Pre-configured accelerators for machines, vehicles, and objects



INCREASES OPERATIONAL EFFICIENCY

Through real-time monitoring and reporting, Cumulocity IoT creates transparency around machine performance, resulting in:

- Greater product control
- Improved reliability/reduced downtime



ENABLES NEW WAYS OF DOING BUSINESS

Manufacturers can leverage continuous feeds of product condition and usage data to:

- Operate as service providers, in addition to product vendors
- Engage with customers in response to real-time information



Gardner Denver

Gardner Denver is a global manufacturer of high-quality, flow-control equipment such as compressors, blowers, and vacuum pumps. The company was looking for a cost-effective way for its distributors and service partners to capture and share operational information with end customers, in order to reduce equipment downtime. Within six weeks, Gardner Denver had deployed Cumulocity IoT across 16 of their brands, enabling partners to remotely configure air compressors, monitor and detect equipment faults in real time, and store IoT-connected machine data for on-demand access. With these new IoT-powered services in place, Gardner Denver was able to greatly increase the value of its products.

Cumulocity IoT on AWS

Software AG is an AWS Advanced Technology Partner that offers an extensive Digital Business Platform of technologies, including Cumulocity IoT, which serve AWS customers. With its plug-and-play approach, Cumulocity IoT can be deployed on AWS in just minutes and scaled to handle hundreds of thousands of devices. It's functionality can also be extended with the use of AWS services, including AWS Lambda, Amazon Elastic Map Reduce, and Amazon Redshift. Along with pay-as-you-go pricing and no upfront investment, Cumulocity IoT and AWS can help accelerate IoT adoption by making it simple to get started.

[Sign up for a trial of Cumulocity IoT](#)

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