

CUMULOCITY + KEYFACTOR



SECURE IOT AT SCALE

Keyfactor secures digital certificates and cryptographic keys across complex environments. Its platform automates PKI, certificate lifecycles, and machine identities for trust and compliance. It integrates with cloud, DevOps, and IoT, delivering full visibility and control.

Two Leaders, One Seamless Security Solution

Keyfactor complements Cumulocity deployments by providing a parallel service to provision and manage the lifecycle of device identities, at scale. Think of Keyfactor as your device identity manager and Cumulocity as your device controller. Together, they ensure your connected devices remain secure throughout their entire lifecycle. Keyfactor creates and manages the digital identities that prove your devices are authentic, while Cumulocity uses these identities to control who and what can interact with your devices. This partnership also protects the software running on your devices - Keyfactor's code signing ensures any updates haven't been tampered with during transmission. Whether in the cloud or at the device level, these two platforms work hand-in-hand to create a complete security shield around your IoT ecosystem.



Why IoT Security Demands a New Approach

Implementing cybersecurity is a practice in risk management. Maturity for IoT security starts with visibility, then progresses to manageability, then automation. It is reasonable to expect an IT operator to personally track hundreds, even thousands of individual SKUs and their respective certificates and expiry dates for rotation. But scale up to many thousands of devices with different makes and models and various versions of firmware and the ability for operators to manage security comprehensively is diminished. To manage those devices effectively, Smart Equipment Manufacturers need a solution that provides visibility, manageability, and automation of the device, at scale.



The Power of Partnership: End-to-End Security

The combination of Keyfactor and Cumulocity provides a comprehensive solution for providing that automation at scale. The integration of these tools is proven in production environments, offering customers a foundation upon which they can quickly build or migrate their fleet of connected devices. Both companies offer flexible deployment options, be it public or private SaaS, on-prem as well as at the edge, meaning the protections exist across a distributed Enterprise architecture.



Solving Critical Challenges



Scale Without Compromise

Managing security across thousands of devices with different makes, models, and firmware versions makes manual tracking impossible and puts your business at risk.



Expertise Gap

Finding and retaining cybersecurity and IoT experts is both difficult and expensive, particularly in regulation-intensive industries like medical equipment and utilities.



Resource Drain

Building and maintaining custom security solutions diverts significant resources and creates ongoing maintenance costs that strain organizational budgets.



Partnership Benefits



Accelerate time-to-market

Deploy our pre-integrated security solution that handles device identity management, certificate lifecycle, and secure firmware deployment instantly - no custom coding required.



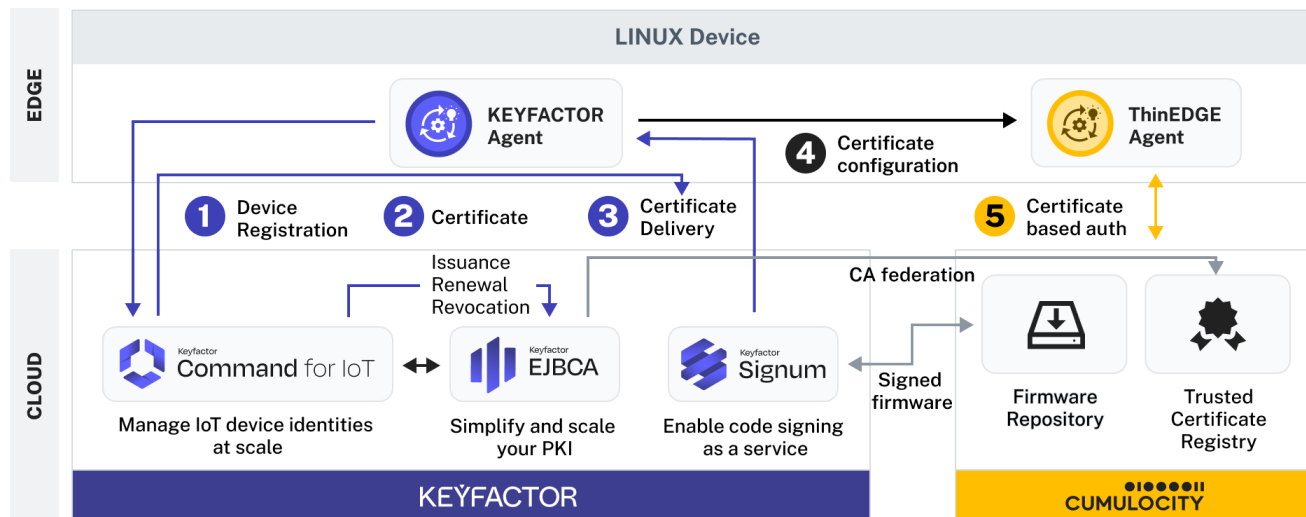
Reduce Operational Complexity

Control your entire device fleet's security through a single, unified platform that works seamlessly across cloud, on-premises, and edge environments.



Lower Total Cost of Ownership

Eliminate custom security development costs while freeing your team to focus on core business initiatives rather than maintaining security infrastructure.



Business Impact & ROI

Cybersecurity and IoT expertise is expensive and difficult to hire and retain. Custom-built solutions are expensive to build, operate and maintain - especially for regulation intensive industries like medical equipment, energy and utilities, and advanced manufacturing.



Together Keyfactor & Cumulocity Deliver Measurable Business Value

- Rapid deployment of production-ready security solutions in days instead of months
- Reduced engineering headcount dedicated to maintaining security infrastructure
- Reallocation of resources to value-added initiatives like analytics and customer adoption
- Enterprise-grade security that grows seamlessly with your business needs
- Compliance confidence with proven security frameworks that adapt to changing regulatory standards

KEYFACTOR

About KEYFACTOR

Keyfactor brings digital trust to the hyper-connected world with identity-first security for every machine and human. By simplifying PKI, automating certificate lifecycle management, and securing every device, workload, and thing, Keyfactor helps organizations move fast to establish digital trust at scale — and then maintain it. In a zero-trust world, every machine needs an identity and every identity must be managed. For more, visit www.keyfactor.com.



We're an independent device and application management IoT platform. Cumulocity connects and manages your devices and assets efficiently and can control them remotely.