Simple, Scalable, End-To-End IoT Security

Mocana has integrated its TrustCenter™ services platform with PrimeKey EJBCA Enterprise to offer seamless, automated security lifecycle management using a proven PKI solution. Together we deliver a simple, scalable solution that addresses the most challenging problems of implementing an end-to-end IoT security solution for connected devices.

Your devices become more intelligent and valuable when connected, but when compromised they can just as quickly become a hacker's favourite target. These "things" on the ever-expanding list of Internet of Things (IoT) devices share one common trait; they require a successful and trusted on-boarding process that enables them to communicate and be updated securely over the air.

Without cutting edge IoT lifecycle management tools, enrolling devices securely and updating them appropriately across a life span of 20+ years can be daunting, not to mention extremely expensive. Many of today's IoT device asset owners and operators are forced to physically travel to remote locations of fielded, critical infrastructure to enrol devices, update software, configurations, and/or renew certificates. These devices reside in our hospitals, electrical grids, vehicles, manufacturing plants and other critical infrastructure.

The costs of managing connected devices are real and growing every day, in size and in risk. As more connected devices in critical infrastructure are deployed without the addressing enrollment and update, organizations will be faced with the difficult task of implementing connected security as an afterthought.

Mocana's TrustCenter™ is a services platform that provides a system to manage security across the lifecycle of IoT and industrial control devices. Together with PrimeKey's EJBCA Enterprise it is the first end-to-end platform for the management of cybersecurity and certificates during development, manufacturing, device onboarding, management and updates. Adding Mocana TrustPoint™ clients on legacy and greenfield devices will optimize your operation with automated security and zero touch provisioining of device security. The TrustCenter™ platform and EJBCA Enterprise can be hosted on premise, on a private or public cloud, in an appliance, or a hybrid of them all. PrimeKey EJBCA Enterprise can support and manage multiple tenants in a single installation, enabling multiple stakeholders within one or several solutions to securely and logically manage certificates for authentication and encryption.

Benefits

End-to-end security life-cycle management for IoT devices
Solution including device client, management platform and certificates in one integrated solution.

Scalable and multi-tenant solution
Start small and grow with your business case.

Security automation
Avoid operators to physically travel to remote locations to do management.

Security and control
Improve asset visibility and policy enforcement by leveraging one security infrastructure for all your IoT use cases.

Providing assurance of the supply chain
With SignServer Enterprise for application and code signing.

Uniform end-to-end security platform for IoT and Industry solutions

Mocana TrustPoint — IOT Device → Device Enrollment → Mocana TrustCenter — Security Management Platform ← Certificate Provisioning / Secure OTA Update → Certificate Management ← EJBCA Enterprise — PKI Platform

About Partner
Mocana provides comprehensive and compliant device security solutions to protect critical infrastructure. Mocana TrustCenter™ and TrustPoint™ automate and simplify the management of the IoT security lifecycle. Our cybersecurity software development tools simplify the integration of defense-grade security. Mocana protects more than 100 million devices and is trusted by the largest aerospace, industrial, energy, healthcare, and communications companies. www.mocana.com

About PrimeKey
PrimeKey is one of the world's leading companies for PrimeKey is one of the world's leading companies for PKI and digital signing solutions. With our products EJBCA Enterprise, SignServer Enterprise and the PrimeKey SEE, we deliver the capability to implement an enterprise grade PKI system. Choose to deploy your solution as flexible software, in a robust Appliance, in the Cloud, or in a hybrid deployment adapted to your business needs.

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