

Mocana CyberWall™

Embedded network access controls for device security

Security Features

- Integrated with the Mocana TrustCenter™ Update Service and Mocana TrustPoint™ Update Client for tamper resistance rule updates.
- Small memory footprint on the device.
- Network access controls with rules for enforcement based on input interface (LAN, WAN, Wi-Fi), output interface (LAN, WAN, Wi-Fi, PPP, Cell), protocol type (UDP, TCP, ICMP), source/destination MAC address, source/destination IP address or subnet, source/destination port, and destination domain.
- Policies associated to TrustCenter device types.
- DNS parser for domain-based rules to inspect inbound packets from UDP/port 53 (DNS responses), extract domain names (CNAME, ALIAS records), extract IP addresses (A records), hash/remove/add new IP addresses to domain tables and update the IP hash table with new IP hashes.
- Enables use of granular pinholes with default deny.
- No reliance on the open-source community libraries.
- CyberWall Studio installs as a Docker container, a Virtual Machine or native application.
- CyberWall Client installs as a native light-weight service and network filter on the device.

Mocana CyberWall™ provides embedded and lightweight network access controls for TrustPoint-enabled distributed IoT devices with TrustCenter-based management for tamper resistant delivery of policies. Network layer access controls (i.e. allow, deny rules) may be provisioned by packet header (source/destination MAC address, IP address, port number), network interface type, and destination domain-based dynamic filters. Mocana CyberWall is comprised of the Mocana TrustCenter™ CyberWall (TCCW) Studio and the Mocana TrustPoint™ CyberWall (TPCW) Client.

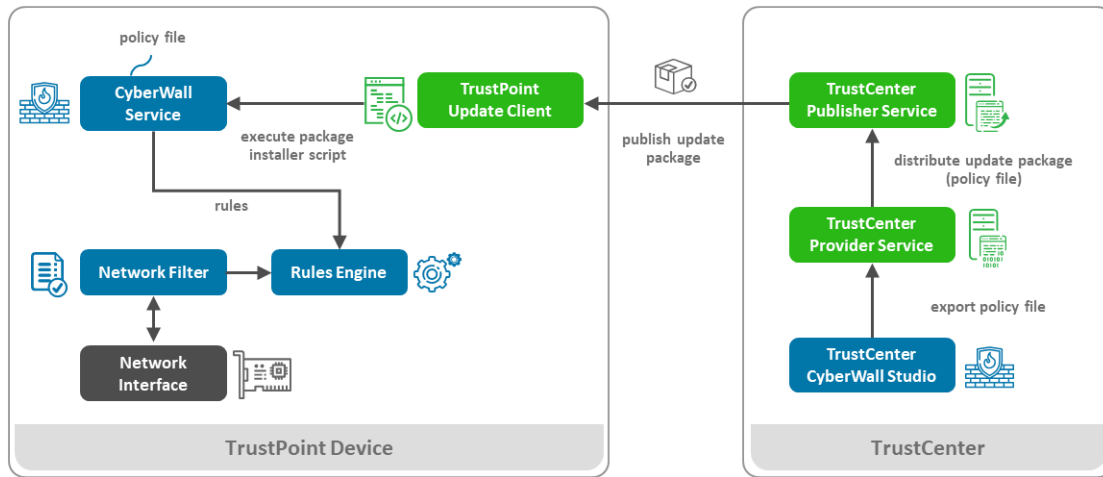
Device Types

- Edge gateways
- Network devices
- Network servers
- HMI workstations
- Medical systems
- Aviation systems
- Automotive systems
- Industrial control systems

Benefit

- Enable light-weight embedded network access controls to protect IoT devices across verticals
- Apply tamper-proof rule updates with supply chain validation
- Provide security controls required to meet compliance standards (NERC-CIP, ISA 62443)

Mocana TrustCenter™ and TrustPoint™ Services Architecture



Contact Us

Visit
www.mocana.com
 or email us at
sales@mocana.com

About Mocana

Mocana provides high-performance, ultra-optimized, OS-independent, high-assurance security solutions for any device class. Mocana's award-winning cryptographic solutions are used in the most stringently constrained and life-critical systems by Fortune 500 companies, world-leading smart device manufacturers, and government agencies. For more information on Mocana and our solutions, please visit www.mocana.com or contact us at sales@mocana.com.

Mocana Corporation
 111 W Evelyn Ave, Ste 210
 Sunnyvale, CA 94086
 tel (415) 617-0055 toll free (866) 213-1273
iotsales@mocana.com