



Pulse Policy Secure

A Zero-Trust Secure Access Framework for the Industrial Internet of Things

Detect and protect industrial sites with secure- access and behavioral analytics

Problems We Solve

Zero-Trust IoT Framework

Trust no device inside or outside of the enterprise perimeter unless verified

Network Profiling

Discover and profiles manufacturing floor IIoT systems, such as SCADAs, PLCs and HMIs

Behavior Analytics

Detect anomalous device behavior for potential malware and domain generation algorithm (DGA) attacks

End-to-end compliance

Comprehensive management from endpoint to datacenter identifying unauthorized devices and applications while remediating on demand

Overview

With the advent of Industry 4.0, smart factory floors are leveraging the Industrial Internet of Things (IIoT) and Behavioral Analytics, and cloud computing to detect anomalous device behavior and boost factory floor efficiency. Despite these advances, factory floor repairs still often require technicians to visit the factory which leads to prolonged production outages.

A powerful framework for NAC visibility and enforcement

Manufacturers are redesigning their security architectures to protect their IT and OT infrastructure under a united zero-trust security umbrella. It gives OT teams a tool to discover, profile and secure the smart devices operating within their environment. It provides a way to automate the infrastructure demarc between IT and OT to expand the use of zero-trust policies in both domains for maximum security while also providing added value to address practical issues such as rapid factory floor repair for maximum factory floor uptime.

Pulse Secure Release 9.0 combines VPN and NAC technologies to provide a single zero-trust security umbrella for blended IT and OT environments while also delivering greater efficiencies for manufacturing.

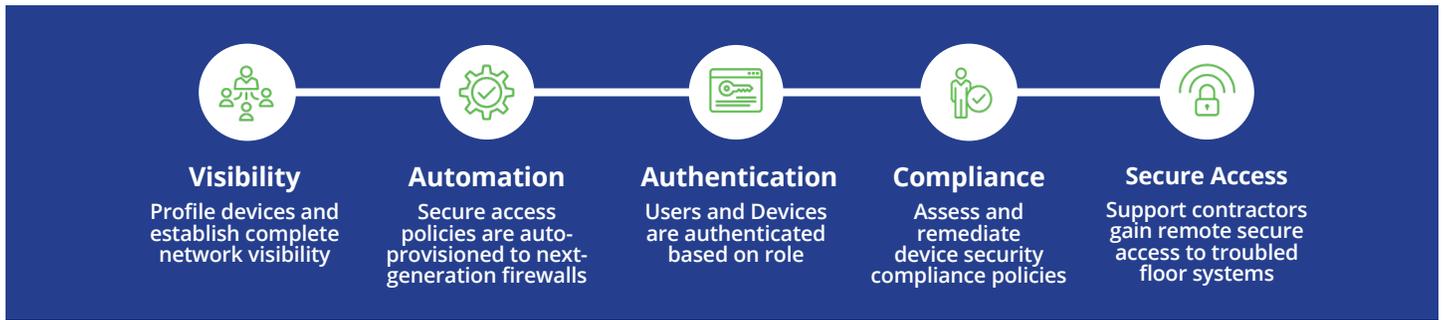


Diagram 1: Zero Trust Secure Access Framework



Secure access auto-provisioning

Automate secure access control to devices including IoT through Pulse Policy Secure 3rd party integrations with next-generation firewalls via API, Syslog, and IF-MAP protocol. Configure access-policies to restrict authorized user access to IoT devices.



Flexible deployment

Deploy and scale using multi-purpose physical (PSA series) or virtual (VMware, Hyper-V & KVM) appliances. Simplify and scale deployments with an embedded RADIUS Server, IF-MAP Server, and EMM platform.



Native unified client

Deliver an intuitive user experience via the multifunction Pulse Client, which can be used both for NAC and remote VPN access and provides real-time posture assessment for compliance enforcement.



Self-provisioned onboarding

Simplify deployment with automated, self-service onboarding of laptops, smartphones, and tablets independent of user location or device ownership (e.g., BYOD, COPE).



Behavior Analytics

Enhanced security detects anomalous behavior for managed and unmanaged devices including IoT. Identify user/device traffic patterns to detect potential malware and domain generation algorithm (DGA) attacks.



Network Profiler

Dynamically identify and enable automatic and custom classification of both managed and unmanaged endpoint devices including IoT, to provide operational visibility, reporting and policy-based controlled access to networks and resources based on the user, device, applications and other attributes.



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About Pulse Secure

Pulse Secure, LLC offers software-defined Secure Access solutions that provide visibility and easy, protected connectivity between users, devices, things and services. The company delivers suites and a SaaS platform that uniquely integrate cloud, mobile, application and network access control for hybrid IT. More than 24,000 enterprises and service providers across every vertical rely on Pulse Secure to empower their mobile workforce to securely access applications and information in the data center and cloud while ensuring business compliance. Learn more at www.pulsesecure.net



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