



Zero Trust Network Access Control for IoT/IIoT Solutions

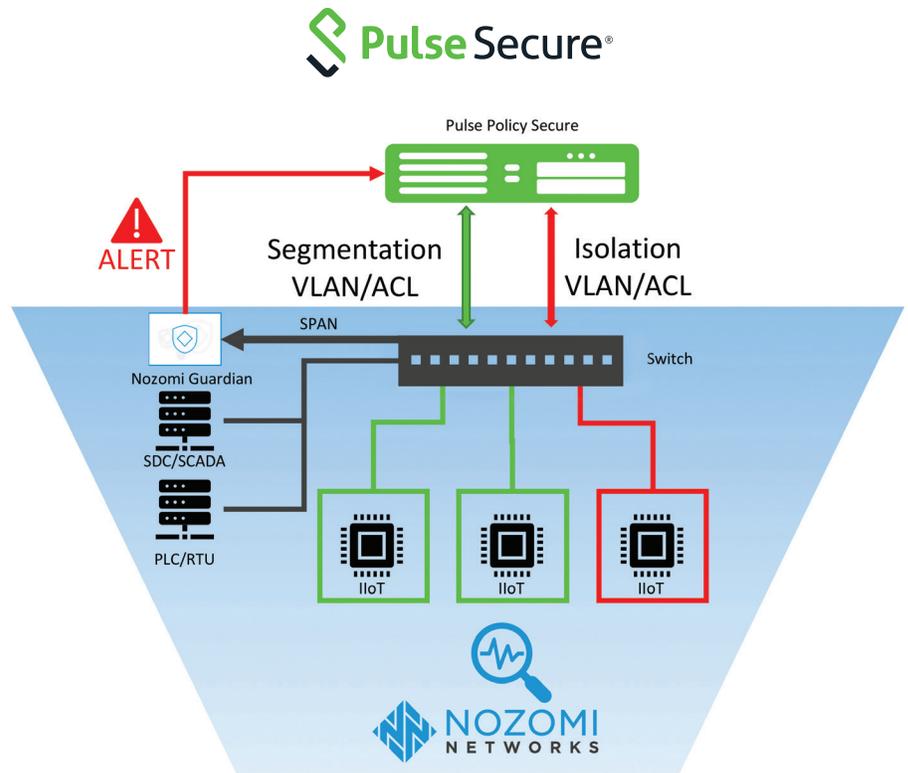


Overview

Pulse Secure enables organizations to securely bring IIoT devices from their classical OT isolation into the IT realm. Enabling expanded visibility and network connectivity for such devices increases operational flexibility, reduces time for troubleshooting and improves overall uptime and productivity. IIoT devices are increasingly leveraged by attackers to gain further access into a network. They are often easily compromised because they usually don't come with strong embedded security features. To make matters worse, software updates from their manufacturers are sparsely available and then not rolled out into the production network.

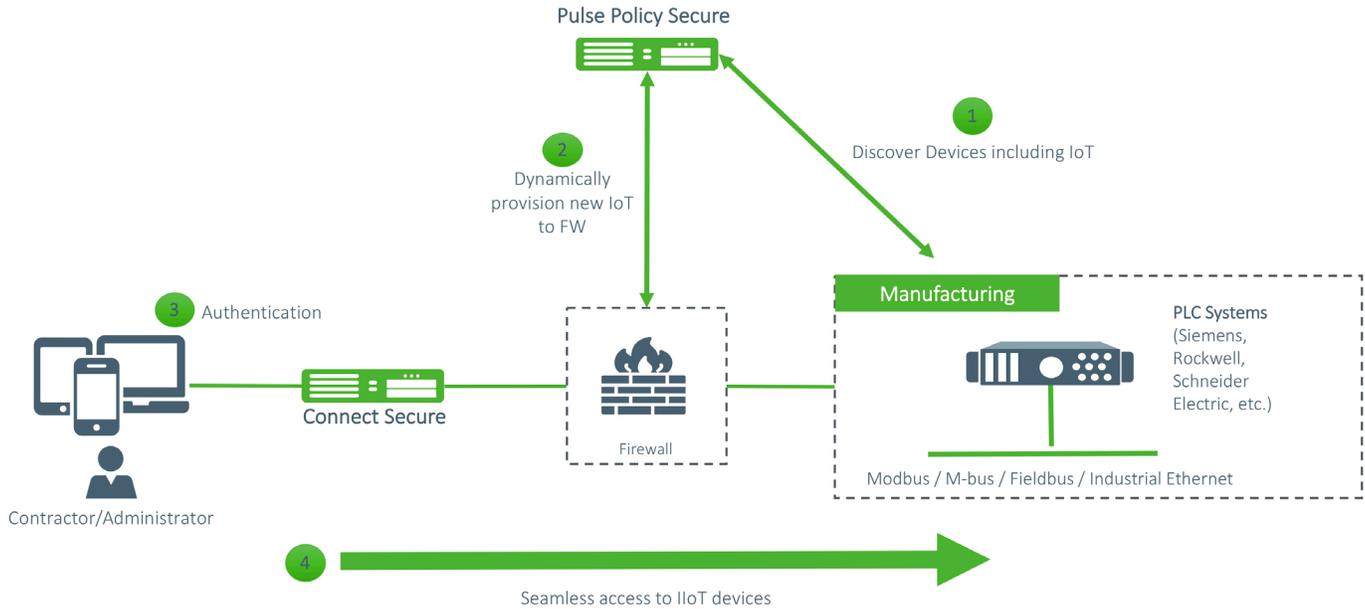


Pulse Secure delivers Zero Trust Network Access Control with IIoT Contextual dynamics



The joint solution of Pulse Secure and Nozomi Networks enables the discovery and classification of a vast range of IIoT devices with continuous analysis of the operational environment for potential threats. Pulse Policy Secure (PPS), a next-generation network access control solution, leverages the contextual information from Nozomi Guardian to identify and authenticate different classes of IIoT devices. After authentication, Pulse Policy Secure onboards devices into their appropriate network environment (VLAN), enabling micro-segmentation to enhance operational resilience. If a threat is detected by Nozomi Guardian, Pulse Policy Secure quarantines the suspicious or malicious device, reducing the risk of threats spreading laterally.

Secure, remote access to IIoT devices



Pulse Connect Secure, a leading SSL VPN solution, enables secure access for remote administrators while Pulse Policy Secure enables granular access based on user identity and the policy associated with their identity or role (RBAC). Thus, administrators can access only IoT environments that they need to access, and nothing outside of their policy. After successful authentication, Pulse Policy Secure dynamically provisions the firewall to grant access to the appropriate IoT environment for the duration of the session.

Pulse Secure Products



Pulse Connect Secure

Enterprise-class mobile workforce VPN with integrated identity, endpoint and security posture verification, MFA, Single Sign-On, agile VPN activation, access policy wizard, and simplified user experience for network and cloud access.



Pulse Policy Secure

Next-Gen NAC with device profiling, automated BYOD/IoT onboarding, agent and agentless client, roles-based policy engine, contextual intelligence, anomaly detection, 802.1x/SNMP enforcement, and deployment wizard.



Pulse One Manager

Centralized access visibility, policy and system administration to streamline appliance configuration and scale, group management, compliance reporting and audit logs, and back-office integration.



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ABOUT PULSE SECURE

Pulse Secure provides easy, comprehensive software-driven Secure Access solutions for people, devices, things and services that improve visibility, protection and productivity for our customers. Our suites uniquely integrate cloud, mobile, application and network access to enable hybrid IT in a Zero Trust world. Over 20,000 enterprises and service providers across every vertical entrust 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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