Zscaler Secure Remote Access for OT

Benefits

☑ **Reduces cost and complexity**

☑ **Improve plant uptime and safety**

☑ **Eliminates attack surface and lateral movement**

☑ **Globally available & immediately scalable**

☑ **Natively embedded for immediate set-up**

The cloud and mobility are empowering digital transformation – all to make business more agile and competitive. At the same time, users are increasingly remote, working on any device in any location. Plant operations and OT system owners need a capability to execute outcomes with a workforce now located anywhere.

Predictive maintenance and remote diagnostics that improve plant uptime requires secure remote connectivity. VPN-based solutions connecting employees and third-parties to OT environments introduce significant security risk and complexity. Unplanned downtime from cyber security incidents or network outages can cause serious harm to plants and personnel, and result in revenue loss or reputational impact. As a result, security and resiliency to provide maximum uptime to OT and ICS environments is key.

Today, businesses have an opportunity to increase productivity and uptime by picking zero trust-based remote access solutions that ensure ease of access from anywhere in the world, while eliminating the attack surface and significantly reducing the risk of a cyberattack.

With Zscaler Secure Remote Access, employees can now access, monitor and manage OT technology from any location. The *Zero Trust for OT©* approach achieves the OT-IT convergence by providing an effective 'air-gap' against cyber threats by only allowing specific application access for users and devices without bringing them directly on to the network.

ZERO TRUST EXCHANGE

150 Exchanges Worldwide | Internet Exchange Peering

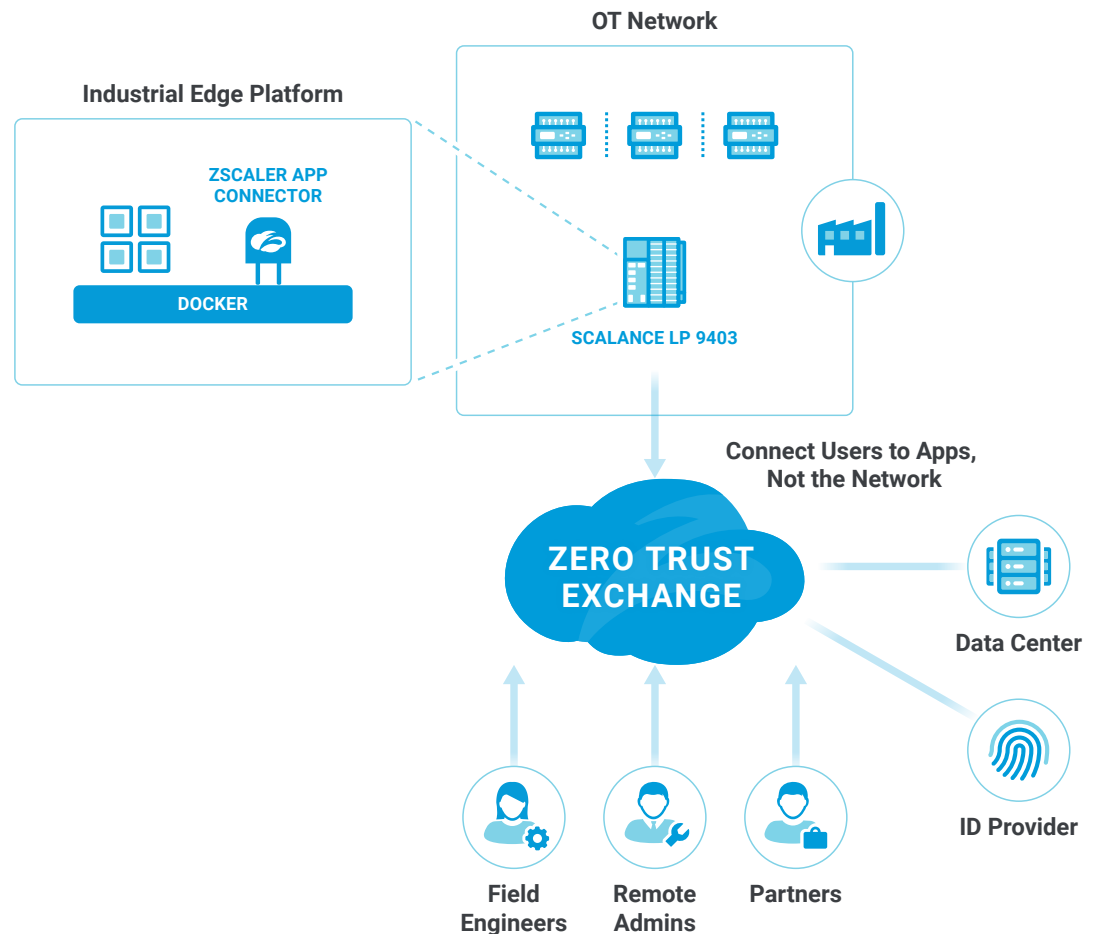Any Location | Any Device | Any System

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Solution Architecture

Zscaler App Connector Docker Container on Industrial Edge Platform, such as SCALANCE LPE

- Secure access to OT systems for authorized users

- Users with Zscaler Client connectors can connect to any system over any TCP/UDP port

- Clientless access to resources with HTTP interfaces

- App Connector requires 1 CPU and 2GB of memory and supports both ARM64 and AMD64 architectures

OT Network

Industrial Edge Platform

ZSCALER APP CONNECTOR

DOCKER

SCALANCE LP 9403

Connect Users to Apps, Not the Network

ZERO TRUST EXCHANGE

Data Center

ID Provider

Field Engineers

Remote Admins

Partners

Zscaler Secure Remote Access for OT

Solution Capabilities

Secure remote access
Employees can safely and seamlessly work on OT environments from anywhere, without having to worry about VPNs

Scalability via cloud-delivery
150+ points of presence worldwide ensure connectivity anywhere, rapid service with low latency

Seamless access for third-parties & OEMs
Safer and easier access for your third-parties & OEM vendors to manage, monitor & repair OT and IIoT assets via browser-based access

Prevent cyberthreats
Zero trust architecture removes VPN/firewall vulnerabilities, prevents lateral movement and shrinks the attack surface

Flexible deployment methods
Docker-based, VM, hardware form factors, Intel & Arm-based architectures

Improve uptime
Boosts efficiency of production operations and minimizes unscheduled downtime from network outages

Continuous operations
Works continuously even over intermittent connectivity such as high-latency, low-throughput links

Reduced cost & no continuous configuration requirements
Outbound port configured once: no IT reconfiguration with firewalls or other tools required