SSH

OT CYBERSECURITY & SECURE REMOTE ACCESS

Full-scale secure access for Ports and Maritime operations with PrivX® OT Edition

PrivX OT Edition - beyond secure remote access, VPNs, and firewalls

PrivX OT is a secure access management solution for port and maritime businesses that require **access management at scale**. It integrates with IT/OT systems and provides secure access to **modern as well as legacy ICS targets in hybrid cloud or IT/OT environments** to allow for local and remote troubleshooting, maintenance and data collection.

This software-based solution supports least-privilege and just-enough-access models that are not available with traditionally used VPNs and firewalls. At the same time, PrivX OT Edition grants **just-in-time, Zero Trust access** to industrial targets, mitigating the risk of shared or leave-behind credentials.

1 Maintain and troubleshoot remotely

- Get diagnostics, maintain, upgrade & optimize equipment off-/on-site for ports or ships at seas
- Instant access for troubleshooting
- Strong biometric authentication and device trust-based access to critical equipment

2 Centralized control for IT/OT

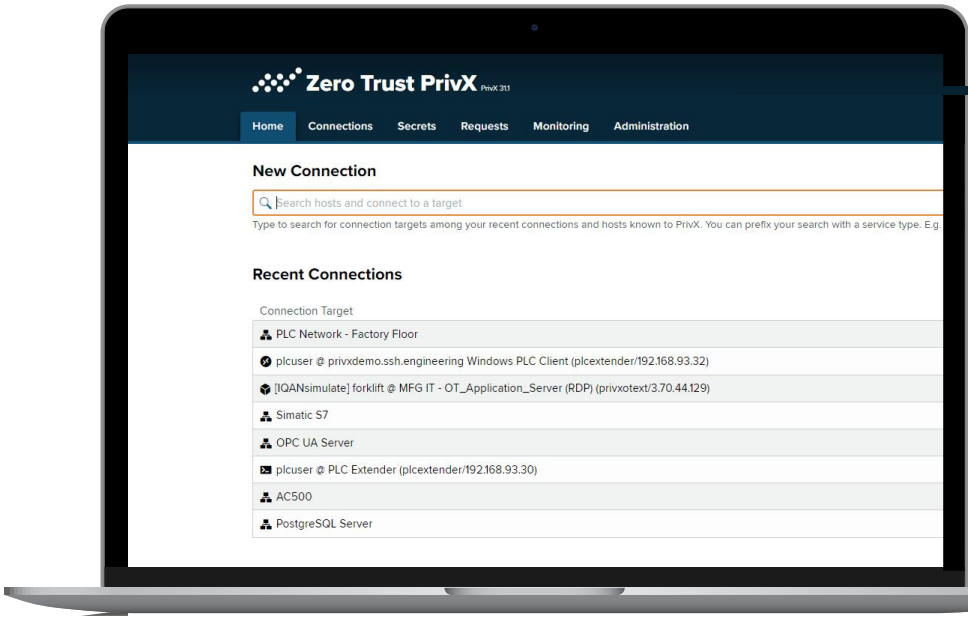
- Access hundreds of machines or other critical IT/OT targets from a single digital gatekeeper
- Work with multiple directories or IDMs (e.g. Entra ID) and map them with the right roles for role-based access control (RBAC)
- Audit trails, session recording, and monitoring for compliance (NIS2, IEC 62443), SIEMs, SOAR, or SOCs

3 Approve, restrict, authorize

- Workflows for job approvals or integrations to ticketing systems
- Restrict access granularity to the minimum to get the job done
- Manage credentials and migrate to passwordless & keyless access for true Zero Trust security

4 Save on costs

- Scalable, flexible, and easy to deploy: No costly hardware
- Uniform access using industrial protocols or standard IT protocols (SSH, RDP, VNC, HTTP(S), Profinet, EtherNet/IP, Modbus, OPC UA, and more)
- No complex configurations or performance hiccups



SSH For more information, please contact Massimo Nardone, VP OT Security, massimo.nardone@ssh.com

About SSH Communications Security

SSH is the communications security company for humans, systems and networks.

Demanding organizations and enterprises in Europe, North America, and Asia trust us with their mission-critical cybersecurity.

Whether in Finance, Government, Production, Business Management, Logistics, or Healthcare, companies choose the best experts to protect their sensitive and critical data and to defend against business, compliance, and reputational risks.

We provide defensive cybersecurity solutions and related services to keep your critical sensitive data safe - whether your data is in use, in transit, or at rest.

With our proven-in-use and future-proof solutions, your data is safe in any environment.

Learn more at **ssh.com/about**

Customer cases

1 A Marine Vessel Operator Secures Remote Access, Diagnostics and IoT Data Collection

Challenge: Limited visibility, always-on connections with indiscriminate access by vendors to critical targets on ships once logged in to the VPN service.

Solution: PrivX OT deployed in the AWS cloud with audited, centralized, uniform and granular access control to ships from any location, by any vendor or technician.

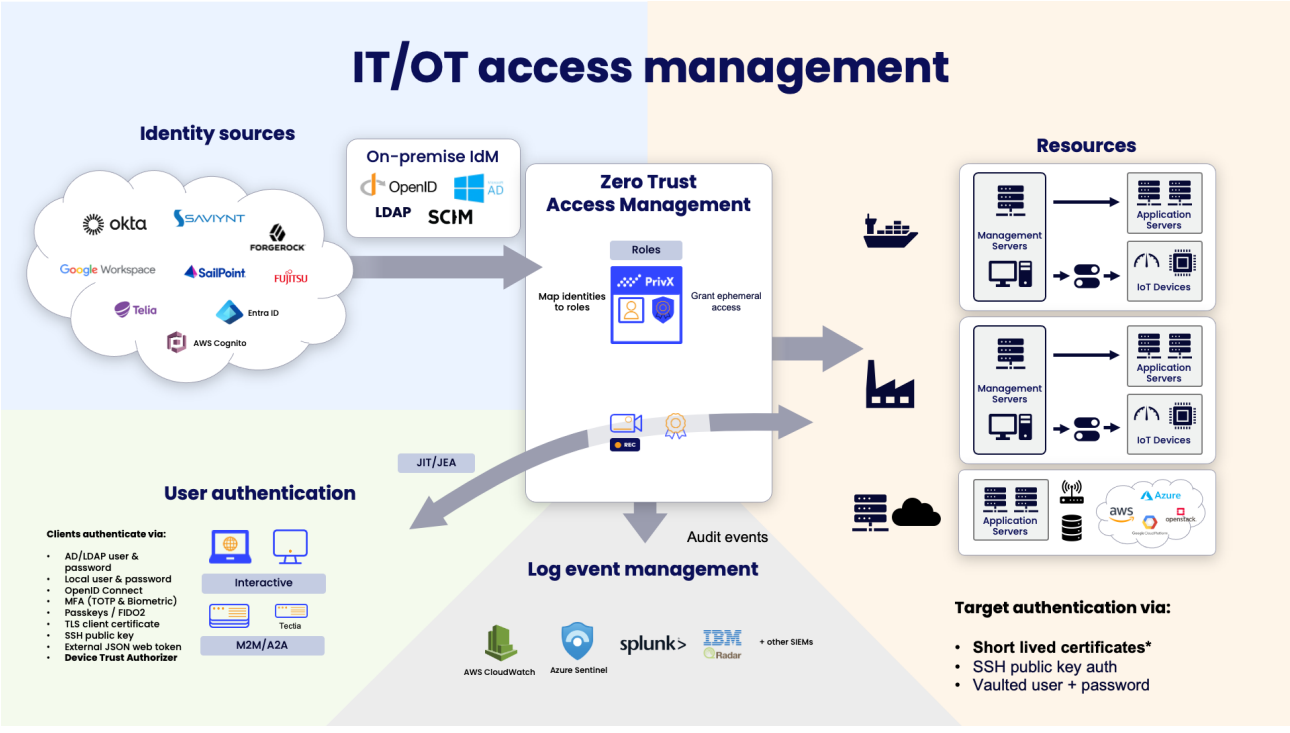
Benefits: Just-in-time (JIT), Zero Trust access with on-demand authorization. Robust secrets (passwords) management for risk mitigation. Scalable cloud deployment ensuring that the solution can expand as the fleet of ships increases.

2 Securing Global On-site and Off-site Port Operations

Challenge: Lack of oversight of remote access to ports (who did what, when and with what rights): a technician operating in Asia could access ports in Europe, and vice versa.

Solution: PrivX OT deployed in the AWS cloud adding granular access control, strong ID and auditing with minimal changes to existing VPN/Firewall/technology infrastructure.

Benefits: Regional restrictions to access maritime ports. Automated linking of a role to an identity ensuring that all sessions can be verified with strong IDs. Increased security and control over vendor technician access for debugging and maintenance sessions.



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