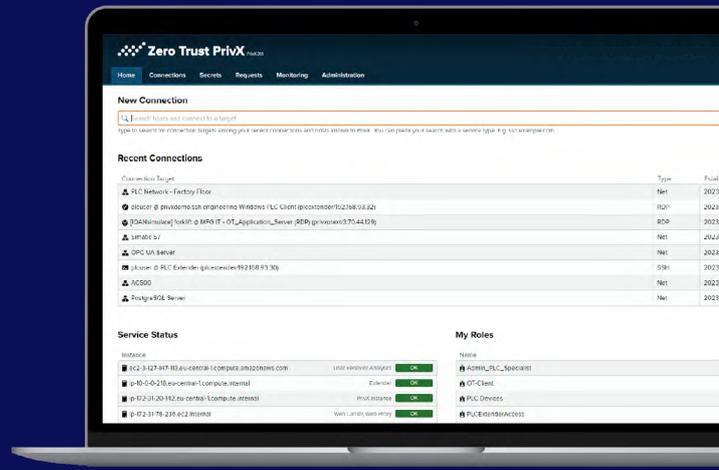# PrivX OT

Secure Remote Access for Operational Technology

Just-in-Time (JIT) access, protocol-agnostic connections, and secure file transfers

Attacks against industrial environments are rising due to financially motivated threat actors targeting vulnerable devices and nation-state actors targeting critical infrastructure. Industrial organizations need to prepare as they are highly sensitive to operational downtime.

PrivX OT delivers visibility and control for cyber-physical systems, optimizing safety, availability, and security. Purpose-built for scalability and flexible deployment across distributed infrastructures, IT and OT teams gain streamlined governance, improved productivity, and operational efficiency.

1 Centralized access control

- Provide JIT access with Role-Based Access Control (RBAC)
- Integrate workflows for job approvals & ticketing systems
- Access hundreds of machines from a single digital gatekeeper

2 Real-time monitoring and maintenance

- Centralize monitoring accross distributed environments
- Maintain, upgrade, and optimize operations on/off-site
- Gain instant access for easy troubleshooting

3 Protocol-agnostic connections

- Support network target access using common industrial protocols
- Eliminate need for jump hosts & vendor-specific applications
- Enable flexibility and interoperability

4 Secure file transfer

- Rapidly encrypt and stream high-volume file transfers
- Protect data in transit, prevent interception or tampering
- Seamlessly integrate with anti-virus or malware-check software

5 Governance and compliance

- Implement extensive monitoring and auditing
- Create visibility with audit trails, session recording, and live monitoring
- Comply with common industry standards, NIST SCF 2.0 & IEC 62443

6 Quantum readiness

- Use quantum-resilient encryption for Ethernet and IP traffic over any network
- Leverage dynamic tunneling on both Ethernet (L2) and IP (L3) protocols

Benefits

Optimized safety

Protect cyber-physical systems from vulnerabilities to maintain safety and operational integrity.

High availability

Ensure resilience against cyber-threats for stability and reliability of essential processes.

Enhanced security

Get real-time analytics from your OT environment and prevent suspicious access attempts to critical ICS/OT targets.

Why PrivX OT?

Centralized control and seamless integrations allow you to provide local, remote and third-party access to industrial, commercial and critical infrastructure environments for real-time monitoring and maintenance - keeping costs, complexity and disruption low, while ensuring safety, compliance and visibility remain high. Bridge the IT/OT gap with PrivX OT.

94%
Peers recommend PrivX based on overall 47 reviews as of February 2025 on Gartner® Peer Insights™
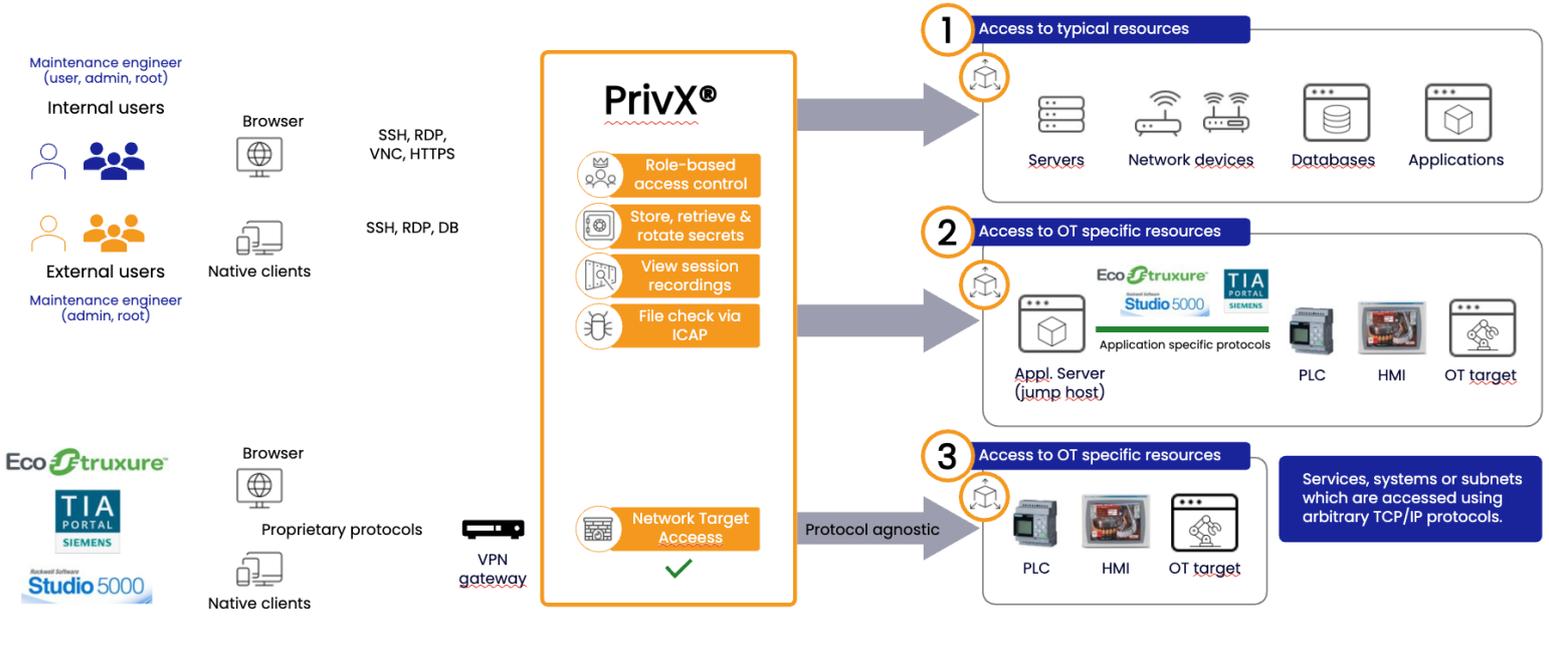
Securing access to critical infrastructure on ships

Challenge:

Ships' on-board industrial machinery and control panels need real-time diagnostics, analysis, firmware updates, and predictive maintenance. Engineers have always-on access to the infrastructure once logged into VPN. Visibility into sessions is extremely limited.

They needed a solution to minimize disruptions of critical systems, maintain safety, and provide access to remote third parties.

Solution:

PrivX OT deployed in their environment with centralized, Just-in-Time, audited, and granular access control to ships from any location. It was integrated with multiple IAMs and ADs to link an ID to a role for each session and gave multiple authentication methods.

Credentials are vaulted and rotated after use or, for passwordless access, the user never even sees or handles any credentials.

Results:

Improved security and efficiency with a scalable solution for growing fleet size, also reducing risk. Maintained infrastructure as ships are off-shore.

Debugging and maintenance are done remotely and securely regardless of location or technician, greatly reducing costs and speeding up the delivery time of goods.