

TOSI HUB

Scalable connectivity for distributed OT

Tosi Hub is the centralized connectivity engine of the Tosi Platform. It functions as a software-based gateway that aggregates, routes, and secures encrypted connections between distributed OT sites, users, and systems. Hub is added when scale, architecture, or data sovereignty requirements demand centralized aggregation.



Deploy in your cloud or data center — VMware, Hyper-V, KVM, Azure, or AWS

HOW TOSI HUB WORKS

Gateways connect OT assets at the site level. Tosi Clients authenticate users and devices. Hub aggregates and routes encrypted traffic at scale. Tosi Control provides centralized visibility, monitoring, and management. Hub is added when scale, architecture, or data sovereignty requirements demand centralized aggregation.

CORE CAPABILITIES

Software-based VPN concentrator for OT networks. Persistent encrypted tunnels to Gateways and Clients. Fine-grained network segmentation and routing. Scales to 1,000 connected Gateways and Clients. Supports high availability. Enables centralized data routing to meet regulatory or sovereignty requirements. Comprehensive audit logs for compliance and access tracking.

DEPLOYMENT OPTIONS

Tosi Hub is deployed as software in virtualized or cloud environments. Supported platforms include VMware, Hyper-V, KVM, Microsoft Azure, and Amazon AWS. Organizations maintain full control over where OT traffic is aggregated and routed.

SECURITY BUILT IN

Tosi Hub enforces end-to-end encrypted connectivity using AES 256-bit encryption with fine-grained network segmentation. All traffic is encrypted and decrypted only at endpoints. Hub operates as the secure routing core with zero-trust architecture and identity-based access controls.

BUSINESS OUTCOMES

Deploy hundreds of sites in months, not years. Scalable OT connectivity without architectural complexity. Centralized control over data flows and network segmentation. Reduced operational overhead in large deployments. Improved reliability and uptime across distributed sites. Future-ready architecture that grows with operations. Manage your entire Hub deployment through Tosi Control for centralized visibility and monitoring.

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