

CSOI vs VPN Solutions



Cybersecurity Operations Infrastructure (CSOI) and traditional VPN solutions both secure network communications, but each do so in different ways with distinct features and benefits.

CSOI's advantage over traditional VPN

Traditional VPN's are designed to provide connectivity that matches what exists while at a desk in the office, while CSOI solves the remote connectivity problem by:

- Providing strong point-to-point encrypted connections
- Using cryptographic identities unique to each connecting device in conjunction with user credential authentication
- Ensuring connected devices are only accessing those intended assets defined by policy of trust

Traditional VPN

VPN concentrators are typically installed in the DMZ and grant connected users access to the corporate network. Once the traffic has left the VPN it is typically unencrypted and sent over the local networks just like any other in-office traffic. VPN traffic is allowed to all corporate internal destinations over the same connection, while also allowing all VPN connected devices to communicate to other connected devices.

CSOI

Establishes secure point-to-point connections for specific resources, ensuring end-to-end encryption and restricting communication to only identified devices.

Uses strong cryptographic identities when making connections, this means that only the identified devices are allowed to communicate through policy defined enforcement.

Tailored for connecting various types of devices like computers, sensors, remote controls, and other connected devices. This feature set and configuration are designed to be straight forward, and allow the operator to easily connect to the destination devices.

Summary

CSOI offers a more modern, scalable, and secure approach with its Zero Trust model and Micro-Segmentation capabilities. Traditional VPNs, although widely used and effective for many applications, can be less efficient and more challenging to manage and scale.

Let's Start A Conversation!

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