Zero Trust Architecture (ZTA)

IMPRES
Technology Solutions, Inc.

CSOI enables you to secure networks even in a crippled environment—without changing your existing physical network.

Zero Trust
Deny All Devices Not
Specifically Trusted

Network Cloaking
Hide Network IPs from
External Visibility/Attack

Microsegmentation
Command your Data Access &
Permissions down to the Device Level

Smart Session Routing
Overlay Existing
Networks

Challenge: Scaling, Securing, and Managing Remote Access

Effectively scaling, securing, and managing remote work can be nearly impossible with current open market solutions. It is even more difficult when your underlying network is breached or under attack. Traditional tactics of maintaining VPNs, ACLs, routing rules, and firewall policies, are even harder to manage when large portions of your workforce move to remote work—a process that has been necessitated in recent years due to the COVID-19 pandemic. Organizational networks with hardened perimeter security were designed with on-premises work in mind. In these situations, enabling support for coalition forces, remote support, or work, with traditional remote access solutions can inherently weaken an organizational network's existing security perimeter.

Solution: Easily Enable Secure Remote Access at Scale

Leveraging strengths from OEMs like Tempered Networks and Juniper Networks, CSOI achieves zero-trust security and mobility for your entire workforce, wherever they are and for whatever they need to reach – globally.

IMPRES Cyberspace Operations Infrastructure (CSOI) delivers a zero-trust security model that enables secure, encrypted access from anywhere in the world. Provide simple and easy segmenting and access to company resources for your entire workforce, while ensuring PCI, HIPAA, and NIST compliance. With CSOI, you can group users together in clusters, so they are invisible to others by default, and grant access to specific devices or resources as appropriate. With point-and-click simplicity, add or revoke access between devices on your network without the complexity of ACLs, routing rules, or firewall policies. Connect anything to anything, anywhere, securely, and easily.

Tempered

JUNIPEr
NETWORKS

Rapid Deployment Network

Developed with agencies of all sizes and security classifications in mind, CSOI offers enterprise-wide cyber protection and security monitoring features without compromising network integrity or mission-critical operations. CSOI is founded on a Software Defined Wide Area Network / Perimeter (SDNWAN) and Identity Defined Networking (IDN) architecture that seamlessly integrates networking and security into a unified platform that is topology, protocol, and hyper-visor agnostic. Our architecture proactively responds to workload placement, increases, decreases, and automatically moves resources to assist with logistical planning and resource allocations. Overall, we enable situational awareness improvements by providing users with rapid data analytics to aid with understanding and managing data throughputs.

Solution Benefits:

| Protect sensitive data and intellectual property
| Support your organization's existing security posture
| No need for rip-and-replace or wholesale network upgrades

| Easily add/revoke network access
| Maintain PCI, HIPAA, and NIST compliance.

IMPRES CSOI infrastructure is built to manage the most complex of network environments, including on-premises, public, private, and hybrid cloud environments. It is the only scalable, multi-use solution that creates a common secure networking architecture able to adapt to any connected resource - anytime and anywhere. Secure internal and remote access for employees becomes much more practical and cost-effective with CSOI. Clients and servers can connect directly or through software switches without the concern of opaque and complex legacy network constraints. With the CSOI ZTA architecture, you can reduce your attack surface by up to 90%, improving time to mitigation, revocation, and quarantine by up to 25%, while decreasing failover and disaster recovery to as little as one second.
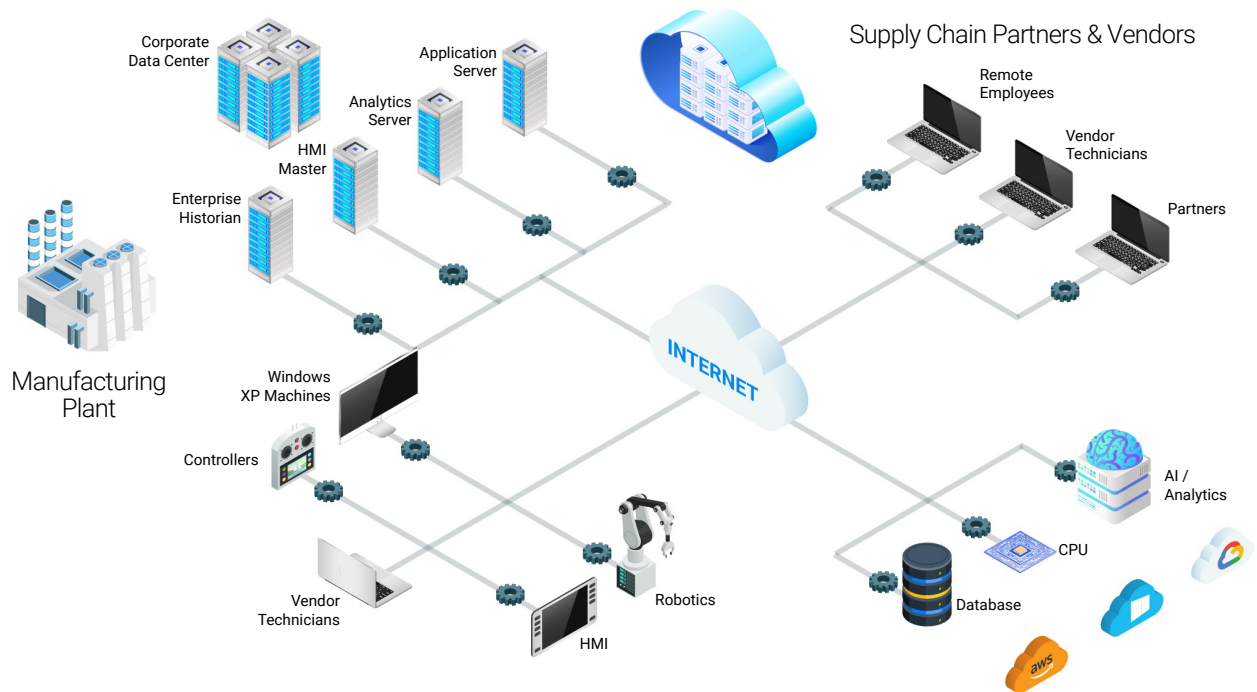
Let's start a conversation

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