

Use Case

Simple and Secure 3rd Party Resource Access

Secure peer-to-peer connectivity and micro-segmentation for your vendors and technicians

What Our Customers Experience:



50% Lower CapEx and OpEx
through network simplification



**97% Faster Provisioning
and Revocation**
of secure network access



90% Reduced Attack Surface
through cloaking, micro-segmentation,
and encryption

Challenge Overview – Complex 3rd Party Network Access

The complexities of traditional IT solutions for secure network access has left IT teams feeling ill-equipped and exposed. Internal or 3rd party threats top the list of security challenges for many organizations, because adding access into the network is very complex and creates security vulnerabilities. In addition, VPN or NAC technologies are unable to segment and restrict access down to individual devices on the network, resulting in vendors or partners having lateral access to the entire network.

The main challenge our customers encountered when giving segmented access to their network was the cost and complexity of deploying and maintaining traditional IT solutions. The time, expertise, and budget needed to provision and manage firewalls, VPNs, routers, switches, ACLs, and VLANs every time someone needed access was impractical and still left them exposed to hacker reconnaissance and exploits.

Tempered Networks – Simple and Secure 3rd Party Access

Identity Defined Networking (IDN) for 3rd party access creates a highly available, natively secure, and simple network so our customers have peace of mind when leaving the office. With IDN, our customers deploy secure and micro-segmented access in minutes, rather than days or weeks compared to traditional IT solutions. And even better, the cost is a fraction of those traditional IT alternatives. Authorized 3rd parties now have isolated connectivity to individual resources on the network from any location, across any transport.



Network Challenges:

- SSL VPN access is complex and time-consuming to manually configure
- Different security and networking architectures for IT, industrial, virtual, and cloud environments
- Ongoing IP addressing issues and conflicts across the network

Security Challenges:

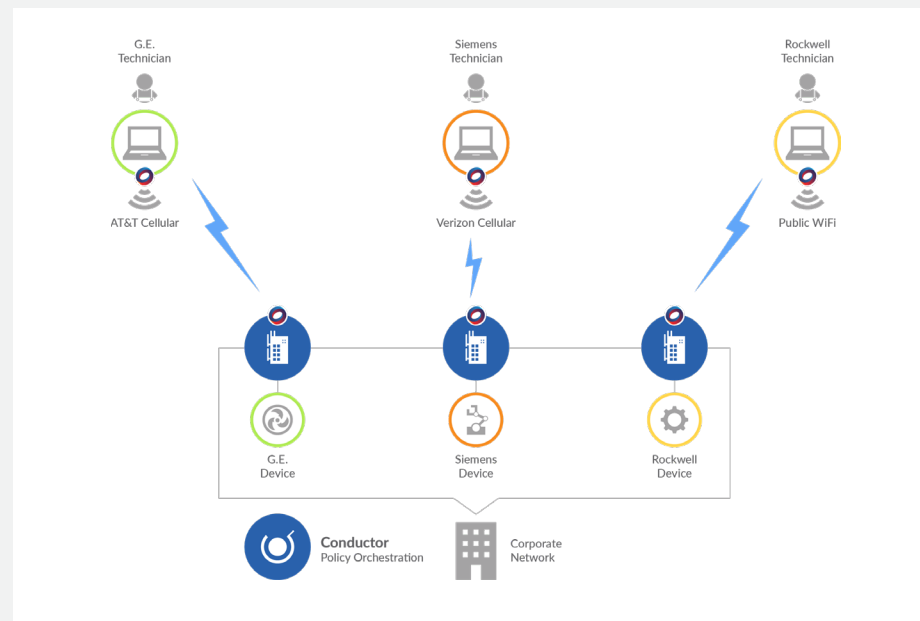
- Public IPs, unprotected ports, and exposed VPNs increase attack surface
- Inability to quickly cloak and segment systems to protect against horizontal network attacks
- Lack of segmentation gives 3rd party integrators and contractors unfettered access to any device

People and Process Challenges:

- Multi-factor auth. is too complex for users
- Traveling to remote sites is costly and inefficient

“Before, giving access to our network for vendors and contractors was incredibly complex and time-consuming. We had to set up VPN tunnels, certificates, and advanced routing rules to get to the individual systems they required access to. After deploying Tempered, I can now enable and revoke access to any individual device or resource on my network in under a minute, from anywhere in the world.”

Network Administrator
Fortune 50 Software Company



Challenges with Traditional IT Solutions

- Inability to quickly provide micro-segmented access to specific systems
- Complex firewall rules, ACLs, VLANs, certificates, and VPN tunnels across distributed systems
- Cascading dependencies between network and security infrastructure that easily expose the network to human error and hackers
- Lack of host-to-host encryption and micro-segmentation increases security vulnerabilities
- Difficulty managing separate IP schemas and IP conflicts

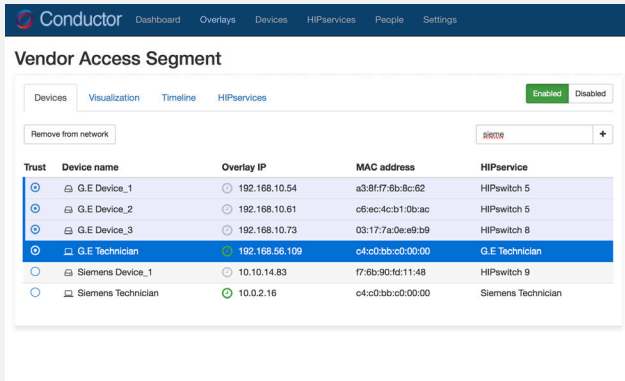
Native Security and Network Simplification with Tempered Networks

- Instant overlay networks for access with high availability and resiliency
- Add, disable, and revoke users' machines—in one mouse click
- Micro-segmentation and native end-to-end encryption across the LAN, WAN, and cloud
- Ability to connect remote systems over any medium – cell, Ethernet, Wi-Fi, or radio.
- Eliminate IP conflicts, without having to re-IP devices

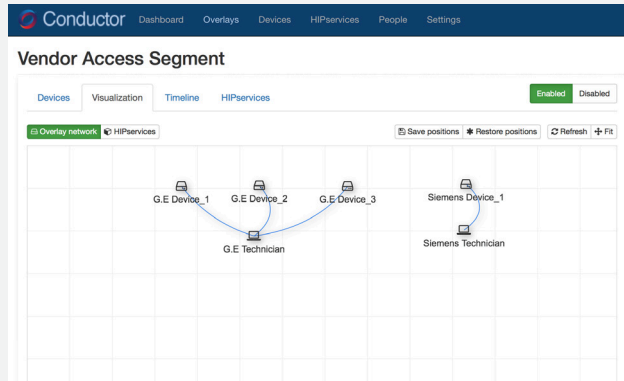
With IDN, IT teams who need to manage vendor access can eliminate network complexity and securely connect any device, over any network, across any location, with little to no changes to the underlying network infrastructure. The process, referred to as instant overlay networking, results in massive simplification of your network, coupled with next-gen security and resiliency that can't be achieved using traditional IT solutions. Teams can now quickly connect, micro-segment, encrypt, and manage remote access based on verifiable machine identity and the simple process of machine whitelisting based on trust.

Trust-Based Connectivity and Micro-Segmentation in Minutes

Tempered Networks' scalable orchestration engine was designed to be extremely easy to use with no advanced technical training. Unlike the many complex, fragile, and time-consuming steps associated with traditional IT solutions, our customers eliminate human error through simple policy orchestration. All system-level network connections are automatically authenticated and authorized between every endpoint through trusted and verifiable machine identities that can't be exploited. Every vendor, contractor, and partner can now be quickly connected and segmented across any network, anywhere in the world.



Trusted end-to-end connectivity with point-and-click simplicity to add, disable, and revoke machines



The Visual Trust Map verifies connectivity and segmentation, delivering simple compliance reporting

Business Impacts of Traditional IT Solutions vs. Tempered Networks

The benefits below are based on a customer scenario securely connecting 25+ vendors and contractors to individual devices and network segments on their corporate network. Unlike traditional IT solutions, with Tempered Networks every vendor is isolated across its own encrypted and segmented overlay network that can't be violated.

IMPACTS	TRADITIONAL IT SOLUTIONS	TEMPERED NETWORKS SOLUTION
EQUIPMENT COST	\$50,000+	\$20,000
DEPLOYMENT TIME	55 FTE DAYS	3 FTE DAYS
ADDITIONAL HEADCOUNT	~ 1 NEW ADMIN	0 NEW ADMINS

*Traditional IT Solutions include: Firewalls, VPNs, Routers, Modems, VLANs, ACLs, NAC, Port Lockdown, etc



Have us prove it to you in less than 30 minutes.

Visit temperednetworks.com/get-access to request a demo or call us at 206.452.5500