

Use Case

Simple and Isolated Network Access for Workgroups

Secure peer-to-peer connectivity and cloaked segmentation for private workgroup networks

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 – Network Access Complexity

The complexities of traditional IT solutions for secure and segmented access to sensitive data and intellectual property has left IT teams feeling ill-equipped and exposed. Whether it's for the board of directors, human resources, finance, or any other group of users, configuring and managing a private and secure network segment is difficult, especially when users are connecting over any type of network, anywhere in the world. In addition, revoking access takes time and is error prone, which increases risk of a network breach.

The main challenge our customers encountered when giving secure 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 – Secure and Segmented Network Access

Identity Defined Networking (IDN) creates a highly available, natively secure, and a simple network so our customers have peace of mind when leaving the office. With IDN, our customers deploy secure and micro-segmented network 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 users now have isolated connectivity to individual resources on the network from any location, across any transport.



Network Challenges:

- Complex configuration and management of advanced forwarding routing rules
- SSL VPN access is complex and time-consuming to manually configure
- Different security and networking architectures for IT, industrial, virtual, and cloud environments
- 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:

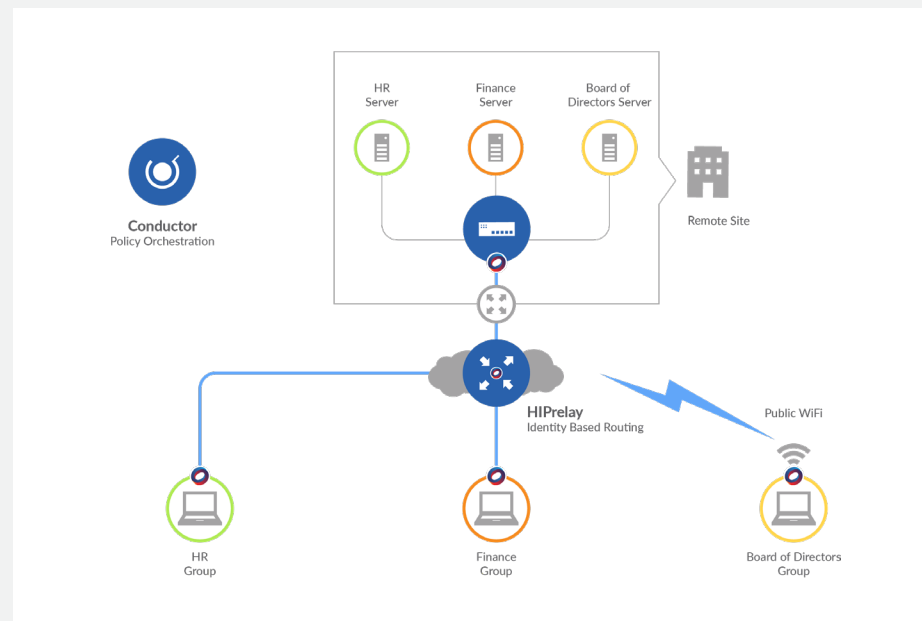
- Multi-factor auth. is too complex for users

“Configuring and managing secure and segmented access to the network for 100’s of users across the world was extremely costly and complex for us using traditional VPN technology. And as we grow, this simply wasn’t scalable without massive overhead. Using Tempered Networks, I can now easily give secure access in minutes to any individual device on the network no matter where in the world they are connecting from.”

Network Administrator
Fortune 1000 Energy SAAS Provider

Challenges with Traditional IT Solutions

- Inability to quickly provide micro-segmented access to specific systems
- High acquisition and management costs of distributed firewalls, VPNs, routers, cellular modems, and switches
- Complex firewall rules, ACLs, VLANs, certificates, and VPN tunnels across distributed systems
- Lack of host-to-host encryption and micro-segmentation increases security vulnerabilities
- Difficulty managing separate IP schemas and IP conflicts



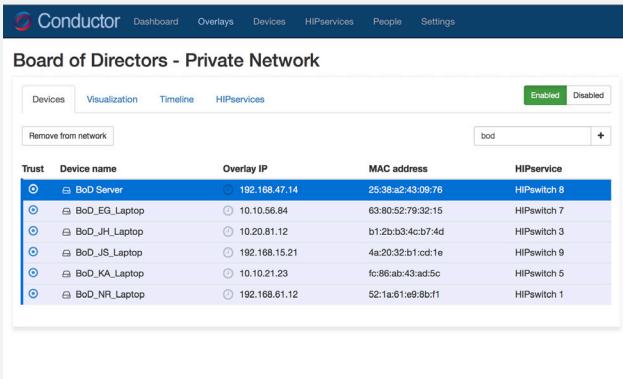
Native Security and Network Simplification with Tempered Networks

- 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
- Cloaked resources are invisible to other unauthorized systems on the network

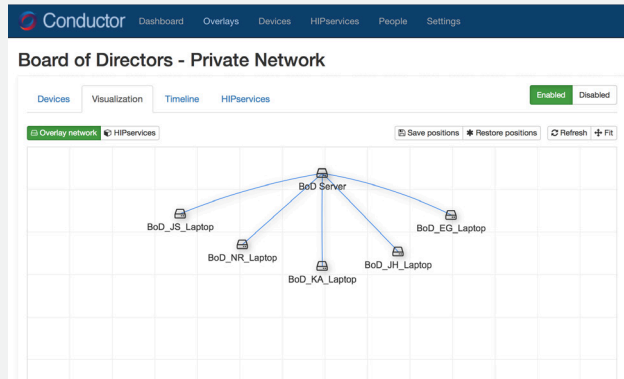
With IDN, IT teams who need to manage segmented access can eliminate network complexity and securely connect any device, over any network, across any location, with little to no changes to the underlying network infrastructure. The process, referred to as instant overlay networking, results in massive 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 network 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.






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 over 200 global users across 3 segmented groups: board of directors, human resources, and finance. Unlike traditional IT solutions, with Tempered Networks every group of users have isolated access to individual network resources across their own encrypted and segmented overlay network that can't be violated.

IMPACTS	TRADITIONAL IT SOLUTIONS	TEMPERED NETWORKS SOLUTION
EQUIPMENT COST 	\$150,000+	\$50,000
DEPLOYMENT TIME 	100 FTE DAYS	10 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/workgroups to request a demo or call us at 206.452.5500