



Solution Brochure

Secure Networking Made Simple

Identity Defined Networking (IDN)

The Pitfalls of Networking and Security

One of the challenges that organizations face today is that Internet adoption has grown far beyond what most people ever expected. It's become the backbone of global commerce and communications. Applications driven by commercial, industrial, and government organizations alike, are at the point where secure connectivity from one random endpoint to another has exploded.

The Industrial Internet of Things (IIoT) is no longer a buzz word with increased connectivity across smart buildings, manufacturing facilities, hospitals, oil fields, and more. And cloud services are adding incredible levels of complexity to our overworked networks every day. Keeping up with the demand for secure connectivity has become a staggering, if not impossible task.

There is a better way forward.

One Solution. Endless Possibilities.

Tempered Networks' Identity Defined Networking (IDN) unifies networking and security into a single platform and was purpose-built to simply your life. Our intuitive management console makes it easy to instantly connect, segment and manage all your networked devices—across any transport or location.

Unlike other segmentation and software defined networking (SDN) solutions, our unique 'identity-first' approach has native security and mobility to give you ultimate control and superior flexibility to solve your thorniest networking challenges.

All the benefits of micro-segmenting your network—security, manageability, and availability—are now point-and-click simple.

How Can Identity Based Micro-Segmentation Help You?



Segmented and Protected Networks



Wide-Area Workload and Data Mobility



Secure Infrastructure Management Access



Secure Workgroup Access



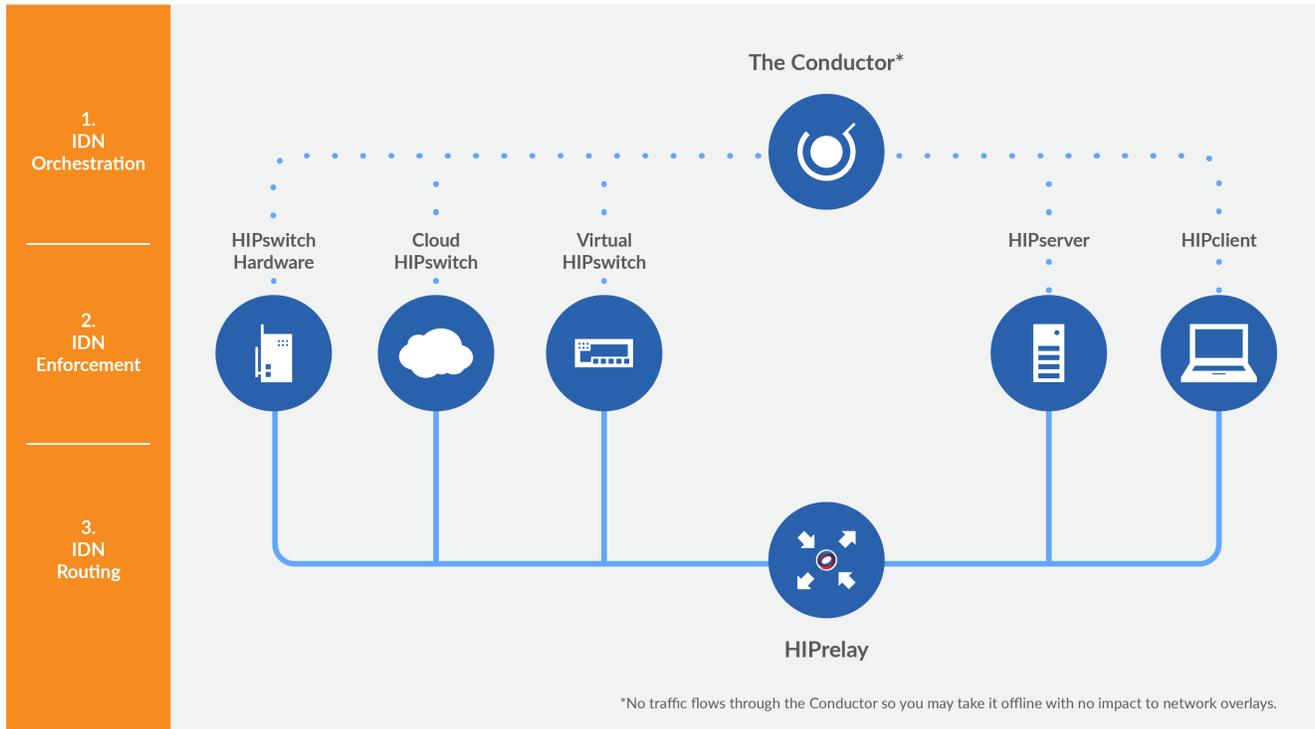
Business Continuity and Disaster Recovery



Peer-to-Peer Business and Partner Networks

How it Works: An Identity-First Architecture

Identity Defined Networking (IDN) = Orchestration + Enforcement + Routing



The power of IDN is the simplicity of 'point-and-click' orchestration and enforcement at scale, with instant overlay networking. Tempered Networks offers the most flexible networking platform, supporting virtually any type of device, virtual or physical machine, or cloud environment.

A New Standard for Trusted Connectivity

Our solution is based on the Host Identity Protocol (HIP), an open IETF standard. HIP defines network trust relationships based on provable host identity—not by an IP address. Host or device location is still defined by your traditional IP-based infrastructure. IDN shuts out hackers while making it easy for trusted devices to automatically join an IDN overlay network.

IDN gives you local and wide-area segmentation and works seamlessly over your existing infrastructure—no rip and replace.

1. IDN Orchestration The Conductor

Creates, manages and automates distributed policy to all HIP services and HIPrelay endpoints.

2. IDN Enforcement HIP Services

Serves as network policy and security enforcement points using software that runs on or adjacent to any host or instance.

3. IDN Routing HIP Relay

Establishes peer-to-peer encrypted connectivity regardless of location or network using identity based routing.

Our Customers Experience These Results



Decrease in IT CapEx and OpEx



Reduction in overall network attack surface



Decrease in network and resource provisioning time



Improvement in mitigation, revocation, and quarantine time



Increase in networking and security team productivity



Number of seconds needed for failover and disaster recovery

Instant Overlay Networks Anywhere

Connect, protect, segment, or revoke any device, over any transport, in any location—instantly.

Any Location

Branch Office
Campus / Shared Network
Public and Private Cloud
Remote Sites

Any Device

Cloud Workloads and Virtual Machines
Servers, Laptops, PCs, Tablets, and Phones
SCADA and Industrial Control Systems

Any Transport

Cellular
Radio
Ethernet
Wi-Fi



Ditch the never-ending grind and embrace a worry-free network!

Schedule an appointment to get started:

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