

**Product Datasheet**

# HIPserver

Creating a simpler and more secure perimeter of one for instant LAN and WAN micro-segmentation.

## Instant Overlay Networks for Servers - Reduced Complexity, Radical Security

System administrators and DevOps teams can easily network, move, and protect their intellectual property and sensitive data as never before. With HIPserver, server mobility is no longer constrained by the network or a server's underlying IP address because HIPserver's unique and verifiable cryptographic identity is what determines where, and to what the server can connect. The IP address can be static or dynamic, remains private, and is directly accessible from any network by other HIP-enabled endpoints. No other device will be able to discover or establish a connection to the server unless the connection is originating from an authenticated and authorized HIP Service endpoint. Adds, moves, failovers, and revocations are simple and fast, with a single mouse click. Whether a HIPserver is a member of a trusted overlay or several, you'll have highly resilient and unconstrained peer-to-peer WAN connectivity, automatic encryption, and micro-segmented server access control protecting your data and intellectual property.

### Server Mobility, Micro-Failover, Access Control

The Tempered Networks' platform is based on orchestrating the unique and verifiable machine identities associated with each HIP Service endpoint, including HIPserver. Networking and security policy can now be driven down to the host where network communication is established and enforced by the HIPserver's low-latency four-way base exchange. With HIPserver installed, every server connection is automatically authenticated and authorized before transport (TCP or UDP) is established and can't be spoofed or subject to MiTM attacks. The server's private IP address only serves as its LAN location providing unconstrained IP schema mobility.

### System Requirements

HIPserver platform requirements:

- Windows 2008 R2, 2012 R2

“Each Airbus 380 is statically configured to talk to only one destination IP address for manifest updates while at the gate. This eliminates DNS and MPLS route updates as an option for HA. With IDN overlays, our manifest servers can all have the same IP but reside in different overlays. If one goes go down, traffic flows instantly shift from one overlay to another. We now have a simpler, faster, and more flexible HA design.”

- Matt S. Sr. Network Architect, International Airline

## Features and Benefits

- Simplify everything by moving the perimeter from the porous edge or complex network core down to the host itself
- Make sensitive data and intellectual property untouchable because it's always cloaked, encrypted and micro-segmented
- Easily provide access to server resources for a secured workgroup of HIPclients in three clicks
- Consistently enforce security context and access controls across the LAN, WAN, and Internet
- Decrease the network attack surface by over 90%
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