

**Use Case**

# Device and Workload Mobility and Migration – Anywhere

Identity-Defined Networking: Instant Overlay Networking

## The Challenges of an Inflexible IP Architecture

Currently there are two globally deployed namespaces that allow us to uniquely identify a host or service on the network: IP addresses and DNS names. However, using the IP address as device identity on the network creates mobility challenges and security vulnerabilities caused by a lack of trust. To compensate for the lack of verifiable trust, you end up having to deploy a complex patchwork of tools and technologies that limit your business' agility and scale.

## A New Namespace: The Host Identity Namespace

With our IDN solution, you can eliminate the constraints caused by DNS and IP schemas and stop worrying about IP conflicts. By introducing a third namespace, the Host Identity Namespace, problems like the shortage of public IP addresses become a non-issue. Now you can achieve instant peer-to-peer networking across layer 2 and 3 and private or public networks, without changing the underlying infrastructure. By overcoming the mobility limitations of IP and DNS Namespaces and IP conflicts, workloads and devices within the IDN fabric are free to move anywhere, between bare metal, virtual, and cloud instances.

## Get Unprecedented Availability, Mobility and Flexibility

- Establish your own IP schema with the Host Identity Namespace
- Gain unique IP mobility within the IDN fabric
- Forge connectivity between layer 2/3 and public/private networks
- Overcome limitations of IP and DNS Namespaces

Decrease IT CapEx and OpEx costs as much as:

**50%**

Reduce networking & resource provisioning time up to:

**97%**

Reduce attack surface by up to:

**90%**



To learn more or schedule a no obligation demo, email: [info@temperednetworks.com](mailto:info@temperednetworks.com) or visit [www.temperednetworks.com](http://www.temperednetworks.com)