

# Dispersive Virtualized Networking: Unleashing the Power of Unified Communications and Collaboration

## HIGHLIGHTS

- Works with off-the-shelf hardware
- Requires only a business-class Internet connection and Dispersive's software
- Accommodates any fixed or mobile device
- Divides data into non-duplicated streams
- Sends data streams along independent paths
- Rolls paths dynamically to avoid congestion and other problems

## BENEFITS

- Boost speeds
- Increase reliability
- Tighten security
- Reduce WAN costs
- Avoid hardware upgrades
- Add flexibility
- Optimize bandwidth

Unified Communications and Collaboration (UCC) systems boost productivity, increase efficiencies and streamline costs. They also typically require access to private network infrastructure to deliver a consistent user experience across locations and devices.

However, private networks like MPLS are expensive. They pose problems when used with cloud-hosted applications and services. Administration can be difficult.

Now there's a solution that delivers three key benefits traditionally associated with private networks: **speed, security and reliability**. Unlike many private network solutions, this one works with off-the-shelf hardware. You can also use desktops, smart phones, laptops, tablets – any fixed or mobile device to access it.

Welcome to Dispersive Virtualized Networks. This solution from Dispersive Technologies delivers mission-critical communications over the public Internet. All you need to start is a business-class Internet connection and software that's simple to download and install.

## Technology that Divides and Conquers

With standard networks, a device transfers data to another device along a single path. One data stream and one network path equal a single point of vulnerability to network congestion and router failure, and one big target for man-in-the-middle attacks.

Dispersive changes all that. Our virtualized networking platform:

- Divides data into smaller, non-duplicated streams
- Disperses those streams through multiple independent paths
- Rolls the paths dynamically when congestion slows transmission time
- Reassembles the data at the recipient's device

By dividing data and utilizing multiple transmission paths, Dispersive conquers traditional routing problems.

# Dispersive Virtualized Networking: Unleashing the Power of Unified Communications and Collaboration

## Benefits that Save Time, Money, and Reputations

No matter the size or scope of your company, Dispersive will maximize the performance of your UCC assets. Rely on our virtualized networking solutions to:

**Boost speeds.** Dispersive Virtualized Networks send data up to five times faster than existing VPN solutions.

**Tighten security.** Each year organizations spend millions of dollars on network security breaches. However, the true cost of these attacks goes far beyond money. Theft of sensitive information can lead employees and clients to lose confidence in your business. Dispersive's technology combats that constantly and comprehensively. During the session, it continuously changes data path selection and varies message encryption from route to route. As a result, it's virtually impossible for man-in-the-middle attackers to know which routes you are using or collect enough meaningful data to cause any damage.

**Increase reliability.** Dispersive Virtual Networks continuously monitor the health and performance of each pathway and then roll traffic to new paths when problems are detected. Your data bypasses bottlenecks and avoids router failures.

**Reduce WAN costs.** Customers typically reduce WAN communications costs up to 25% by off-loading private network traffic to the Internet.

**Avoid hardware upgrades.** Our virtualized networks use standard, commodity hardware. No costly proprietary hardware is required.

**Add flexibility.** Dispersive Virtualized Networks bring MPLS benefits to cloud-hosted services without modifying your cloud architecture. And because you can use any Internet connection, you don't have to wait for lines to be installed or hardware to be provisioned.

**Optimize bandwidth.** Companies often buy more bandwidth to handle occasional high-traffic periods. It's a costly and often unnecessary fix that leads to underutilized capacity. Dispersive optimizes your current bandwidth to achieve greater speed and reliability.

Unleash the power of UCC. Leverage the cloud-based network that provides private network functionality without private network costs.

**Find out more: [www.dispersivegroup.com](http://www.dispersivegroup.com)**

Dispersive Technologies, 2555 Westside Parkway, Suite 500, Alpharetta, GA 30004

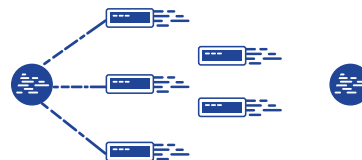
Offices in: Dallas | Denver | Washington, D.C.

Main: 1-844-403-5850 | Sales: 1-844-403-5851 | [info@dispersivegroup.com](mailto:info@dispersivegroup.com)

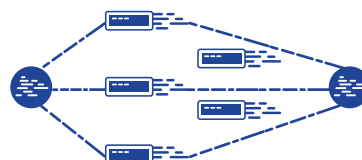
© 2014 Dispersive Technologies. All rights reserved.

The information contained herein is subject to change without notice. (4.15)

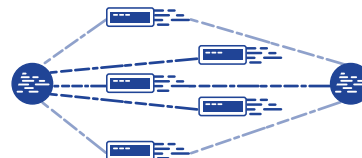
## How Dispersive Transfers Data



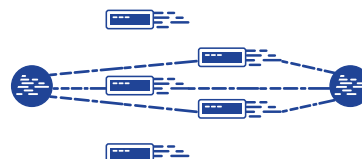
Client splits data and disperses it as non-duplicated data packets.



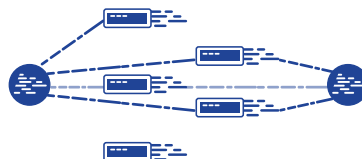
Data packets travel across parallel independent paths.



Data streams dynamically roll to optimum paths.



Degraded paths drop.



Rolling repeats.