

WE'VE DISRUPTED VPN

Since its invention in the early '90s, VPN has been the go-to technology for securely connecting networks across disparate geographies.

It's also been the only technology enterprises use to give their remote workers secure access to the corporate network.

But here's the thing: VPN technology has failed to keep up with the rapid evolution of enterprise networking needs.

A VPN can't handle the high-bandwidth, latency-sensitive applications your people need to collaborate. And it can't give your remote and mobile users the secure, reliable and high-performance connectivity they require.

A VPN is hard to manage and frustrating for your end users. It also has issues with security. In the age of the cloud and mobile users, this technology is quickly becoming obsolete.

Keep it private and keep it public

A Dispersive™ Virtualized Network is a software-only solution that provides private network functionality without private network costs.

The network overlays the Internet to give you:

- More control and flexibility than a VPN
- Order-of-magnitude improvements in speed, security and reliability
- The ability to serve users with Internet connections, wherever they are

How it works

Like other legacy networks, a VPN has one fatal flaw: it relies on a single path to transfer data. This means that:

- Packet loss is inevitable when that single path is degraded
- Congestion slows down transfer speeds
- The single path provides an easy entry point for hackers

A Dispersive™ VN takes a different approach, one that doesn't rely on a single path for data transfers.

Instead, we split data into multiple independent packet streams, then send them across multiple independent paths.

That's a big difference, one that means we can:

- Deliver speeds 10x faster than a VPN by optimizing path selection and avoiding congestion issues caused by overloaded paths
- Encrypt each path with a unique key
- Route around denial-of-service and distributed denial-of-service attacks
- Smooth packet transfer and guarantee in-order delivery of all packets

Better performance

Voice and video are highly sensitive to dropped packets and latency.

Most VPNs experience audible errors and latency problems across locations, long distances and devices. The result: frequently dropped, choppy calls and frustrated end-users.

A Dispersive™ VN smooths the delivery of packet transfer over the Internet and guarantees the in-order delivery of all packets to voice and video applications. End users get a higher quality, more fluid voice and video experience using any available Internet connection.

Smarter, easier administration

A VPN typically relies on a hub-and-spoke architecture. As a result, it's time-consuming to set up and configure.

A VPN also requires active management and complicated routing rules to get all traffic to the proper services from the hub.

As you might imagine, running a VPN can be a network administrator's worst nightmare. Which is why they find our network a dream to operate.

A Dispersive™ VN centralizes management using a point-and-click GUI interface. You can deploy services to new users in seconds. And because our network allows end points to communicate directly – without the need to backhaul traffic to a VPN concentrator – network administration is a whole lot simpler.

Tighter security

Speaking of that VPN concentrator, here's another one of its drawbacks.

High-profile hacks often use compromised VPN credentials to enter an enterprise network through that concentrator.

This gives them access to both the total network and its extended services.

Such attacks cost enterprises millions of dollars each year in breach discovery and repair, and data recovery. However, the loss of customer and employee confidence is immeasurable.

A Dispersive™ VN's built-in firewall locks down your enterprise network. Administrators can segment your network down to the device and user.

Our network uses additional security measures to secure communications. These include multifactor authentication that relies on username and password, device MAC address, device-specific certificate, and encryption.

Meaningfully lower costs

Besides drastically improving the speed, security and reliability of your network, our software-only, IP-based solution also empowers you to stop using costly private circuits.

It lowers your OPEX with simpler network deployment, zero-touch provisioning and a more efficient use of all your available bandwidth.

And it lowers your CAPEX by eliminating the need for new, expensive proprietary hardware. This also extends the life of the hardware you already have.

In short

With a Dispersive™ VN, your users get a more reliable, higher quality experience. Your network admins have an easier time managing the network. Your data is encrypted in motion. And you get to reduce both capital and operating expenses.

Let's talk.

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