TO SPLIT IS TO SECURE

dispersive®

It's time to admit it. Cybersecurity just isn't working.

Massive data breaches have become old hat. And no wonder. Data security measures have become old hat.

Everyone uses the same basic defense technology. As a result, malevolent hackers and rogue nations have developed a playbook for how to breach them.

And it works. Just ask Target. Anthem. JPMorgan Chase. The Office of Personnel Management. Home Depot. The hit list goes on and on and on.

Unless something is done, devastating breaches not only will continue, but also grow in frequency and severity.

For corporations and enterprises, that will mean lost profits. For government agencies and military branches, it could mean lost lives and a compromised country.

Networking's Achilles heel

Standard networking platforms share one crucial flaw. All use only one path to transfer data.

It's a hacker's dream: simply find that path, invade it and start mining data.

A Dispersive™ Virtualized Network solves this problem by transmitting data differently. It's an incredibly secure approach that separates our networks from the alternatives.

Our split decision thwarts hackers

Hardware- and OS-agnostic, a Dispersive™ VN is a software-defined overlay network.

The network can send data across any mix of available connections—broadband, MPLS, cellular, WiFi, satellite, etc.

Our software divides your session-layer IP traffic into smaller, independent packet streams. It then encrypts each stream with a different key and sends each stream across multiple, independent paths.

Given all this, just consider the hurdles a hacker must jump to harvest any data.

First, to ensure success, he must camp on every one of the multiple, rolling paths in your network. This presents an incredible collection challenge.

Next, he needs to know how to decrypt your packet streams. Since a Dispersive™ VN encrypts each stream separately and routes them using different protocols, his odds of decrypting complete messages are astronomical.

And finally, he needs to figure out how to reassemble the split data in the right order for anything to make sense.

Good luck with that.

Putting control at the network edge

A Dispersive™ VN offers security capabilities unavailable from VPNs. It thwarts typical attack vectors that use compromised VPN credentials.

For years, VPN point-to-point encryption worked. However, more sophisticated hacking tools like parallel processing have made encryption easier to crack. And once a man-in-the-middle (MitM) attacker figures out a termination point, he's in.

A Dispersive™ VN removes that vulnerability. It masks the points of origin and destination for communications by veiling IP addresses, ports and geographic areas of operations.

A final hot topic: the firewall

The Dispersive™ VN firewall offers security not found in other software-defined networks like SD-WAN.

SD-WANs must rely on legacy VPNs. This requires holes in the firewall that create attack surfaces on the enterprise network.

Our firewall presents no such compromise.

Endpoint devices call out to the network's deflect, moving the attack surface outside your corporate network. This eliminates the need to punch holes in the firewall.

You can also provision a Dispersive™ VN to virtually air gap each device, its user or the application. This enables you to better protect data on the device.

In short

Multiple data packets. Multiple independent streams. Separate encryption of each packet stream. Control at the edges. Attribution masking. A solid firewall.

A Dispersive™ VN presents a virtually insurmountable challenge for denial-of-service and distributed denial-of-service attackers, MitM hackers, and other outside threats. And it does so without your needing to purchase expensive hardware or new operating systems.

It's private network functionality without private network costs. It's innovative technology that cybercriminals have no playbook for.

Let's talk.
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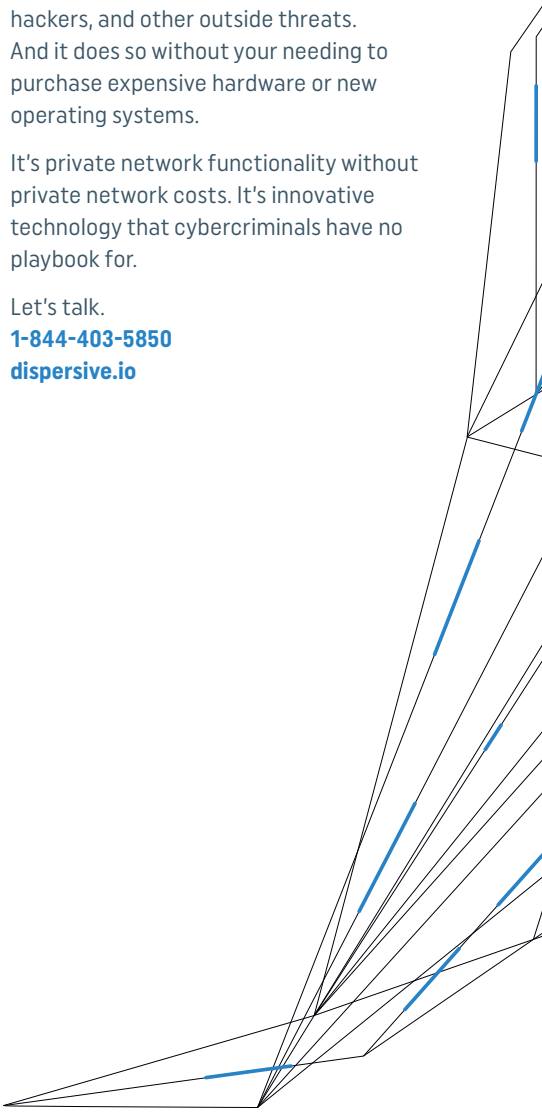

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