

DISPERSIVE™ VIRTUALIZED NETWORK

Standard approaches to networking all have one crucial flaw in common: they all use a single path to transfer data. To avoid this single point of compromise and congestion, a Dispersive™ Virtualized Network does things a little differently.

A Dispersive™ VN is a software-only solution that overlays the Internet. Software on edge devices intercepts packet data, splits it into multiple independent packet streams, encrypts each stream with a different key and then transfers each stream using a different path on the Internet.

That's big. And it makes a lot of great things possible.

Speed – in every way that matters

- Faster throughput that's up to 10x faster than alternatives running on the same physical network
- Rapid deployment of new systems from a central location
- Easy provisioning of new services for thousands of users – in seconds

Award-winning security

- Built-in mitigation against DoS and DDoS attacks
- Dynamic thwarting of man-in-the-middle attacks
- Different ephemeral keys to encrypt each packet stream

Reliability on which you can count

- 99.999% reliability – over business-grade Internet connections
- Highly resilient transfers that roll to new paths when one degrades
- Dynamically virtualizes all available physical network connections
- An 'in-office' experience for remote and mobile users

Meaningfully lower costs

- Lower OPEX because you can reduce your reliance on private circuits and simplify network deployment and management
- Lower CAPEX because you can extend the usable life of your hardware

It's built for the floating edge

- Giving your remote and mobile users an 'in-office' experience, empowering them to access enterprise systems over previously untrusted networks
- Connecting offices, data centers, cloud services, ecosystem partners, remote users, and SCADA and IoT devices

It's incredibly easy to deploy

- Working within any existing network architecture so you can hit the ground running
- Giving you the freedom of zero-touch provisioning for new services to thousands of users – in seconds
- Eliminating the need to punch holes in firewalls

It's incredibly easy to manage

- Allowing you to manage the network from a centralized, easy-to-use web interface
- Using network testing tools in the management toolkit
- Automating network monitoring with RESTful APIs
- Simplifying IP address management for hybrid networks
- Reducing network complexity

It allows you to optimize the use of all your available bandwidth

- Virtualizing the aggregation of all available network connections (including broadband, cellular, MPLS and satellite) as one logical pipe

It dynamically optimizes performance

- Monitoring every connection so it can dynamically adapt to changing conditions to always use the optimal paths so you can maintain QoS levels
- Rolling away from degrading paths dynamically to reduce overall latency and packet loss

- Delivering the fastest possible throughput by selecting the optimum paths based on all available paths
- Giving you order-of-magnitude improvements in application response time and big data transfers

It isolates risk

- Employing layered security that virtually air gaps devices, data, and users with a built-in firewall
- Moving the attack surface away from the enterprise network
- Authenticating and authorizing every device before permitting network access
- Eliminating the need to punch holes in firewalls for communications

It secures data-in-motion

- Distributing traffic across multiple changing pathways to avoid DoS, DDoS and man-in-the-middle attacks
- Encrypting each packet stream with a different AES-256 key

It's compatible with everything

- Including management applications via RESTful APIs so you can use the tools you already have
- Supporting any computer (OS X, Microsoft Windows, Linux) and any mobile device (Android or iOS)
- Connecting via WiFi, cellular, satellite or landline – so you don't have to make changes or know in advance what type of connection is available
- Providing you with SNMP and Netflow support
- Supporting multiple different business models – IaaS/SaaS/Enterprise – so you can work the way you work

In short, it works anywhere there's Internet.

In no uncertain terms, this is big

A Dispersive™ VN is the fastest, most secure way for enterprises to network.

It eliminates the compromises of previous approaches.

It gives your users the quality of experience they need.

It gives you the ease of management you need and reduces both capital and operating expenses.

Win-win-win.

Let's talk.

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