

# ONE LOGICAL PIPE



Solution Overview

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## Bandwidth is the lifeblood of business.

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It connects your people to cloud-based services, your remote workers to enterprise systems, and your ecosystem partners to one another. Bandwidth now fuels almost all enterprise collaboration and productivity in some way. It's never been more important.

The trouble is, your users' growing demand for high-speed broadband far outstrips your ability to provision it across the enterprise.

More often than not, you end up with a complex tangle of multiple, low-capacity Internet connections. The result? Complicated routing rules, high OPEX and CAPEX, and an incredibly inefficient use of bandwidth (especially if you have unused active standby connections).

Users are still unhappy.  
IT is still overburdened.  
And you're still frustrated.



## It's time for you to get it together

Now there's a way to maximize your bandwidth utilization without changing your network configuration. The solution is the Dispersive™ Virtual Network.

The Dispersive™ Virtual Network brings together all your available network connections—fixed-line POTS, broadband cable, private lines, wireless and satellite—to create one large, logical pipe. And the data is dynamically sent across a combination of these connections.

It's a new approach to networking, one that delivers more efficient bandwidth utilization.

## Bandwidth aggregation vs. bandwidth bonding

There are two major ways to maximize throughput: bandwidth aggregation and bandwidth bonding.

A Dispersive™ Virtual Network uses bandwidth aggregation to leverage multiple physical connections. Conversely, other SD-WAN solutions rely on bandwidth bonding.

There is a difference, and it's huge.

Bandwidth bonding employs policy-based routing to steer high-priority traffic across high bandwidth/low latency links. Low-priority traffic is sent over slower links.

Unfortunately, policy-based routing forces your network administrators to program routing behaviors based on incredibly complicated provisioning rules for every single service on the network. As a result, neither bandwidth utilization nor performance is actually optimized.

The Dispersive™ Virtual Network makes your combined bandwidth available during every session. Instead of policy-based routing, our network automatically uses all available bandwidth. No wonder our bandwidth utilization rates exceed 90%.

## Better IP address management

Hybrid networks mean multiple IP addresses. This complicates deployments and requires routing rules to ensure end-user services work properly.

Our network eliminates this complexity by creating one logical link that represents all available physical connections. Using a point-and-click GUI, you can deploy new services to thousands of users in seconds.

## Everyone wins

Beyond speed and security, the Dispersive™ Virtual Network provides other much-needed benefits to those in your enterprise.

For IT personnel, **it's simplicity.** Installation requires just a business-class Internet connection, commodity hardware and our software. The Dispersive™ Virtual Network is also hardware- and OS-agnostic, so there's no need to create a new network architecture or buy specialized equipment.

For users, **it's empowerment.** Remote users often endure transmissions slowed by security measures. However, our network's multipath, random transmissions thwart hackers by design. So your users can now enjoy high-speed, high-security access to all services.

And for management? **Optimal bandwidth utilization. A more easily managed network. Reduced OPEX and CAPEX. Increased security of data. Faster, more reliable transfers. Happier employees. Less stress.**

## In short

Bandwidth drives productivity. However, inefficient use or insufficient supply of bandwidth can be detrimental to enterprise profitability, employee morale and customer satisfaction.

The Dispersive™ Virtual Network offers a dynamic, cost-efficient solution that delivers a faster, more reliable and secure network all around.

Let's talk.

**1-844-403-5850**

**[dispersive.io](http://dispersive.io)**



13560 Morris Road, Suite 3350  
Alpharetta, GA 30004  
[dispersive.io](http://dispersive.io)