Solutions that make the Internet fast, secure and reliable

Dispersive Technologies' software and cloud-based virtualized networks deliver mission-critical communications over the public Internet to help organizations reduce costs, streamline and secure operations, and perform more efficiently.

Leverage existing investments:
• Use off-the-shelf hardware
• Use any wired, wireless, or satellite connection

Leverage existing business processes with solutions that include:
• Software licenses
• Cloud-based solutions
• Hybrid models

Dispersive Virtualized Networks: A Different Approach to Routing

Dispersive's software, which installs as drivers on off-the-shelf hardware, resides at the network access layer. It communicates directly with network interface hardware to control signaling, routing, and network communications. This approach virtualizes networking and enables components to collaborate and route traffic in ways that significantly enhance network speed, security and reliability.

In managing traffic flowing between devices, Dispersive's software:
1. Divides packet data into smaller, non-duplicated independent packet streams
2. Rolls these independent paths dynamically based on:
   a. Bandwidth availability
   b. Quality of line
   c. Measured time delay on each independent packet stream
   d. Other factors important to the customer
3. Reassembles the data at the receiving device.

Our approach to routing differs fundamentally from how data moves along standard Internet networks, where devices are forced by routers to send data to other devices along a single path. This one stream/one path method creates a single point of failure due to congestion and one big target for man-in-the-middle attacks.

The Dispersive Difference: Delivering Real Advantages

Dispersive Virtualized Networks intelligently overcome limitations associated with traditional networks. They offer advantages that allow companies to save time, money, and reputations.

Higher Speeds. Dispersive-enabled networks send data up to five times faster than existing Virtual Private Network solutions by creating multiple independent paths and rolling away from congested pathways.

Tighter Security. Multiple independent path selection changes continuously and message encryption varies from path to path during the session. Consequently, it's virtually impossible for man-in-the-middle attackers to know which routes you are using, much less collect enough meaningful data to reassemble your communications.

Greater Reliability. Our robust networking solutions continuously monitor the health and performance of each independent pathway and rolls traffic to new paths when problems are sensed. Your data bypasses bottlenecks and avoids router failures.

Minimum System Requirements

Soft Switches	Clients	Deflects
Call processing "brain" • Intel I3 Dual Core • Memory: 2GB • HDD: 1GB • Linux (CentOS/Ubuntu/Fedora/ Red Hat)	Edge device • Intel I3 Dual Core • Memory: 4GB (Computer) • Memory: 1GB (SmartPhone) • HDD: 2GB • Linux (CentOS/Ubuntu/Fedora/ Red Hat)/Windows/Apple OS/ Android/Apple iOS	Traffic relay • Intel I3 Dual Core • Memory: 2GB • HDD: 2MB • Linux (CentOS/Ubuntu/Fedora/ Red Hat)/Windows/Apple OS

The Solution is Dispersive

Different Drivers. Different Industries.
One Need: Mission-Critical Communications.

Dispersive Virtualized Networks transform networking technology – significantly enhancing network speed, security and reliability. By virtualizing routing at the MAC and Link layers of servers, computers and mobile phones, Dispersive's software enables the creation of multiple independent paths per session. This allows your network components to collaborate and route traffic in ways that dramatically improve the performance of current Internet protocols and outperform expensive private networks.

"Dispersive Virtualized Networks transform the way organizations use the Internet. By operating at the bottom of the network stack, Dispersive Virtualized Networks control packet traffic at the most efficient point on the host. This provides signficant advantages for all users of our solutions."

— Robert W. Twitchell, Jr., CEO and Founder, Dispersive Technologies

Find out more: www.dispersivegroup.com