flexiWAN **Clevernet**™

About flexiWAN & Clevernet

1 **flexiWAN**
With its "3 World Firsts": First open source for SD-WAN & SASE; First SD-WAN & SASE applications store; First SD-WAN & SASE SaaS business model, flexiWAN offers a different and open approach to networking.

2 **Clevernet**
Adding Clevernet's WAN Optimization technology to your flexiWAN infrastructure will give your business Internet a significant boost in speed, reliable and data-in-motion security.

Harnessing the Power of flexiWAN's Application Framework, flexiWAN & Clevernet Bring Unique WAN Optimization Capabilities to SD-WAN & SASE

The Problem of current SD-WAN WAN Optimization

As companies increase their reliability on cloud delivered applications, it becomes increasingly important for businesses to have fast and reliable connectivity while making sure internet connections are secure.

Enterprise networks are still constrained by the TCP protocol, hence, WAN susceptibilities remain in terms of speed and security:

》 Slow speeds because of latency and packet losses
》 Data-in-motion is compromised since information is transmitted on only one path

Up to 17X Improvement

Showing 6X speed increase in typical network conditions & up to 17X in long delay high bandwidth networks

Solution Value Proposition

01
Adding 3rd party networking applications to flexiWAN removes vendor lock-in and breaks networking monopolies by allowing for best of breed technology selection

flexiWAN customers can

- Add their own technology
- Integrate components they want from different vendors like Clevernet
- Offer tiered service levels

02
With Clevernet's WAN Optimization and the use of simultaneous multipaths, enterprises can optimize their business connections and improve application delivery.
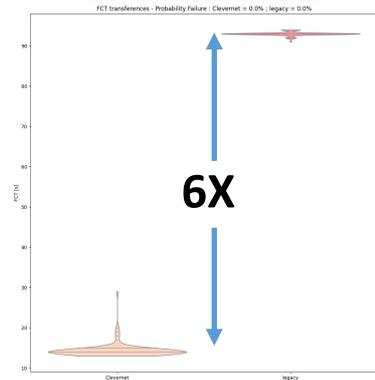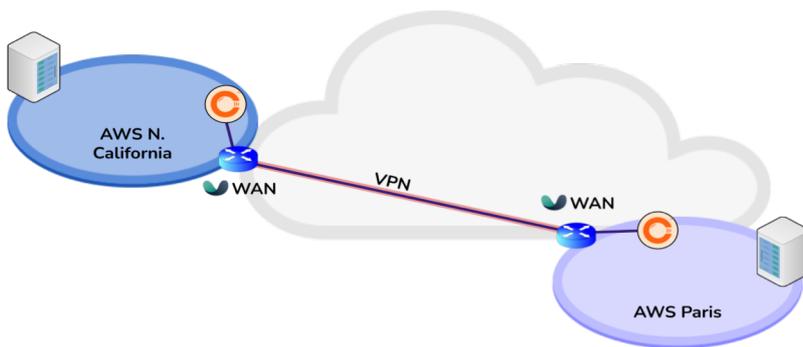
Clevernet customers get

- Fastest WAN within your existing infrastructure
- Data-in-motion security
- Multipath link aggregation
- Reliability even with just one ISP

For more information visit https://flexiwan.com/wan-optimization-clevernet

flexiWAN is like Android for routers

The revolution flexiWAN brings to networking is similar to how Android and smartphones revolutionized the mobile communications markets. flexiWAN allows for dynamic integration of 3rd party networking applications in the vRouter data flow and in the management, hence, unchaining SD-WAN & SASE software from monolithic, vendor locked solutions.

Networking Applications:
DPI, Security, WAN Optimization, Network Monitoring

Networking Infrastructure

Edge
Management
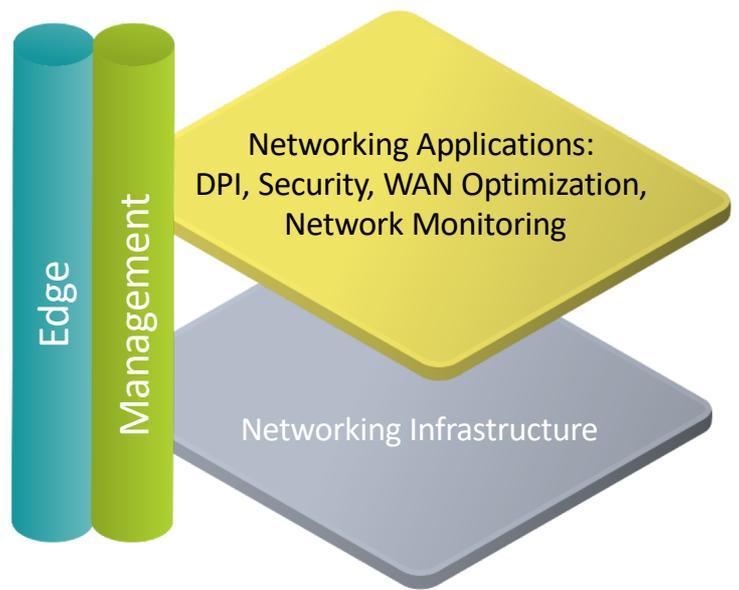
💡 Clevernet Solution In-Action – Test Results

6X

flexiWAN & Clevernet Test Results Summary

The diagram on the top left shows a customer on AWS cloud with two datacenters (California and Paris) with flexiWAN installed in both locations and Clevernet added for enhanced network speed, reliability and security.

The figure on the top right summarizes the results obtained. In tests sending data between locations, file completion improved from 90 seconds without Clevernet to 15 seconds once Clevernet was activated. Clevernet greatly outperforms the normal traffic operations in this environment. The Clevernet add-on shows a 6X average performance boost and can reach up to **17X boost** in long delay (more than 120ms latency), high bandwidth networks (over 500 Mbps)**.**

> **With the Clevernet platform, our SimpleCloud solution has improved the speed of access up to 10X between different IBM Cloud data centers and allows us to more easily move large amounts of data between remote sites.**
>
> **Sergio Gonzalez, President and Co-Founder of Summus Render**

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