evolving NETWORKS™

DATA SHEET

Link aggregation vs dynamic path selection

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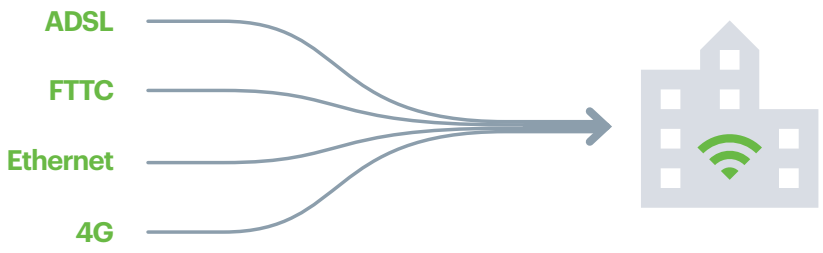
Link aggregation vs dynamic path selection

Why send different data streams through different links?

SD-WAN providers have sprung up without developing the real skill of aggregating bandwidth. They rely on more basic legacy technology like Policy Based Routing and Load Balancing. These methods have been available to router and firewall vendors for decades.

These providers will use different links for different applications. This causes all sorts of problems.



What if that link fails?

Sure, the data will fail over to use another link, but how seamless is that? Is there an interruption? What if that link is unsuitable – latency too high, for example?

What about all that wasted bandwidth on the circuit dedicated for VoIP?

Is it best practise to have one circuit heavily used (and, potentially, saturated) and another barely used, because the traffic it carries is more latency sensitive?

Why would I not want to use every kilobit of available capacity for bandwidth hungry applications?

What if there was a way of maintaining the quality standards and superior user experience, protecting VoIP and video, and also maximising bandwidth?

Why would I not want to use every kilobit of available capacity for bandwidth hungry applications?

Evolving Networks takes a fundamentally different approach

All connections delivered to all sites are delivered via our unique SDN Platform, with our Intelligent Network Fabric aggregating the circuits together into one logical virtual network giving us maximum control, flexibility, and most importantly – quality.

We have been aggregating the bandwidth of different circuit types since 2008, way before the SD-WAN trend kicked off. By building our software overlay with this mature technology, we are able to deliver significantly greater benefits than traditional SD-WAN vendors.

We have been aggregating the bandwidth of different circuit types since 2008

Truly aggregating each circuit's bandwidth and vectoring packets via distinct ISPs, our SDN Platform delivers resilience and throughput. We use our scale and massive purchasing power to ensure low latency, low jitter, high quality, uncontended connectivity regardless of the line technology used.

Once you have ADSL and FTTC lines delivering similar performance to traditional Ethernet circuits you don't need to direct your jitter sensitive VoIP sessions away from ADSL and onto Ethernet only.

All the available bandwidth on site, all the time

This gives Evolving Networks a unique ability to aggregate traffic over multiple links, ensuring our customers get the benefit of all the available bandwidth on site, all the time.

VoIP, Video Conferencing and other time sensitive traffic is prioritised via our bi-directional, zero touch QoS, ensuring crystal clear voice calls and seamless failover – without resorting to legacy methods like Dynamic Path Selection.

This approach means bandwidth availability and resilience is maximised. No wasted bandwidth and no stuttering VoIP calls, or lag-ridden Remote Desktops.

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The new SD-WAN companies are trying to integrate true link aggregation across diverse technologies and latencies, but that's where we started more than a decade ago. Because it's the foundation of everything we provide, we don't have to try and integrate it into our software stack. It's already there – the foundation of the Evolving Networks virtual networking stack.