



DATA SHEET

Local internet breakout

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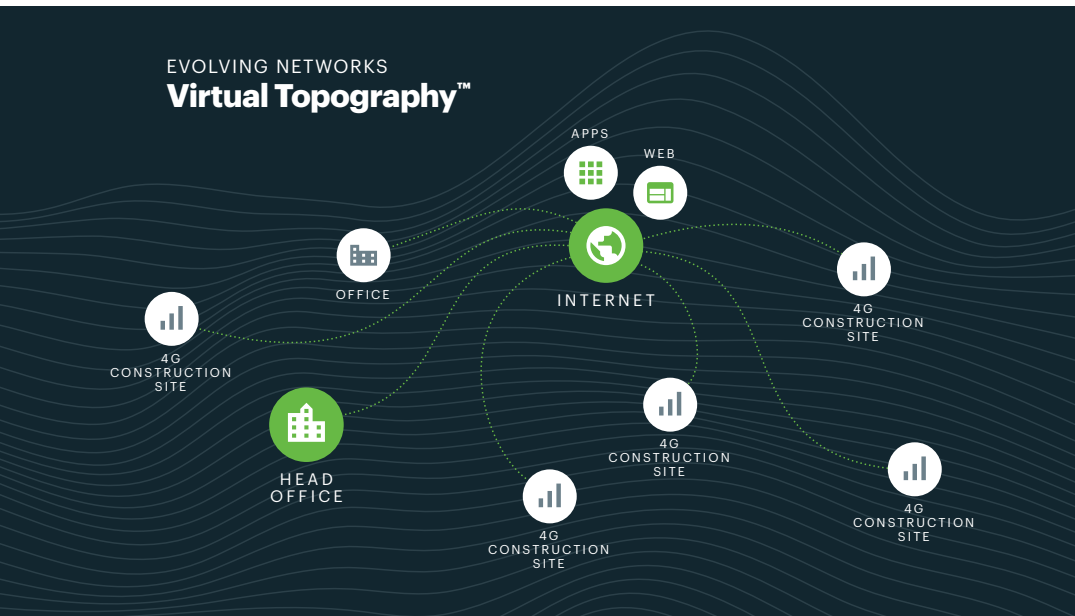
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Local internet breakout

As internet and cloud based systems gained in popularity, the need for local internet break out (as opposed to routing all WAN traffic over an MPLS network to get to business apps) has become more popular again.

Historically, as a business grew and installed an MPLS or VPN to connect sites together, the drive for centralisation pushed apps and storage away from the branch office and into hub sites. These were often Head Office or the core of the MPLS network in a datacentre.

As internet usage was low, having a central internet breakout point made sense, as users were mainly accessing hosted applications and systems within the private network, and often still accessing systems housed on-premises.



Secure, encrypted SD-WAN links delivered by the unique Evolving Networks Intelligent Network Fabric software, supporting local internet access for all sites in the WAN, regardless of size, location and available tail technologies

Business systems moved to the cloud

But as internet usage surged, and apps moved to browser based cloud offerings, expensive MPLS solutions started to look redundant, or at least not as important any more. Business systems moved to the internet or the cloud, and internet access became more important again.

As this happened, separate (often cheaper) internet connections sprang up in branch offices again, often with local edge firewalls, entirely separate to the MPLS network.

Local internet breakout was king again, but the network had become more complex, and wasn't benefiting in a tangible way from the additional circuits. Both the internet connection and the MPLS could fail, either one causing the loss of vital functionality, even if the risk had at least been spread.

Local internet breakout was king again

Local internet breakout and site to site routing

A single Evolving Networks EVX appliance can deliver local internet breakout and site to site routing all over the same resilient connection comprising of multiple links, routed through diverse carrier networks.

Businesses can still retain branch level control of their firewall (unless a managed security offering is provided), while benefiting from the aggregated throughput and resilience of using all circuits all the time.

Even if a circuit goes down, the office retains the private and public networking, rather than losing one until the faulty circuit is fixed.

Local internet breakout, along with any combination of site-to-site or site-to-datacentre routing is available without having to change to a hub and spoke model for security, with a centralised firewall. Decentralised security can be retained, or an expensive consolidation process can be delayed, while moving to a software-defined connection.

Even if a circuit goes down, the office retains the private and public networking, rather than losing one until the faulty circuit is fixed

Change and flex, quickly and easily

The beauty is, if and when the topology needs to change, the SD-WAN will change and flex, quickly and easily, and without the need to rip out or install new circuits.

