

Colt SD WAN

Accelerating digital transformation with the best in breed SD WAN solution

Benefits at a glance

- **Cost:** Delivered using competitively priced public Internet services, with only high priority traffic routed across premium MPLS paths
- **Resilience:** Either network path (MPLS or Internet) can be used as backup in the event of a failure
- **Speed of delivery:** Using your existing Internet access enables a much quicker service deployment than OLO tails
- **Control:** Easily manage your traffic on chosen application with thresholds and change traffic patterns via portal
- **Flexibility:** Open X86 architecture means that one CPE device can act as a router, firewall, & application performance monitor. With universal CPE, benefit from zero-touch installation
- **Agility:** Simple interface to manage your WAN. You can control your own service, add a new branch site in hours or upgrade its bandwidth instantaneously

Increase your WAN bandwidth smarter, whilst adding flexibility and agility - and saving cost.

Are you looking to increase bandwidth within your flat or declining WAN budget, off-load less critical traffic securely to public Internet directly at your site, manage changes yourself via online portal and upgrade bandwidth instantaneously?

If so, consider Colt's SD WAN solution, the winner of the Network Transformation Award for Best SD-WAN Service Excellence Operator 2019 and MEF 2019 Best Retail Service Provider of the Year (Europe).

What is Colt SD WAN?

Colt SD WAN enables Internet to be used as a business network and an MPLS alternative for your WAN.

You will be provided with small common off the shelf (COTS) servers, pre-configured Advantech boxes, as easy to set up as a home WiFi. We have also launched universal CPE, which is also available on a self-install basis

Site types:

- SD WAN Hybrid (3rd Party OLO line + Internet line)
- SD WAN Internet-only (Internet line)
- SD WAN MPLS-only (Off-net and On-net)

Network:

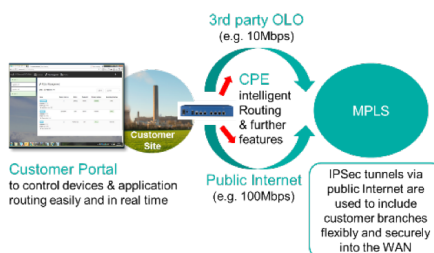
Multiple, regional gateways, deployed in EU, Asia and US, ensure proper coverage and connectivity between the MPLS and Internet cloud. Colt's key supplier partnership is with Versa Networks — named a Visionary in Gartner's Magic Quadrant for WAN Edge Infrastructure 2019.

Network Function Virtualisation (NFV):

Different functions, such as router, firewall and application performance monitor are delivered as software applications on one and the same server (Advantech).

Transport Security:

All WAN traffic is encrypted via IPsec tunnelling, if not using private dedicated lines..



What makes us different:

We are recognized by the industry as market leading in SDN/NFV and Ethernet services.

- Award winning SD WAN service
- Own carrier-grade network
- Pan-European service portfolio
- Unique customer experience

Colt combines the strength of our fibre network on-net, with the cost efficiency of using 3rd party Internet off-net.



Key Features

Self-Install CPE (Zero Touch Provisioning)

A simplified way for Customers to enable Colt SD-WAN service globally without having to have technical resources on site. A CPE with basic configuration is shipped to end site where any site personnel can connect it to the network and complete activation quickly and easily.

Dual CPE (High Availability Site)

For additional resiliency, two SD-WAN CPEs can be provided in high availability mode, to ensure that if either SD-WAN CPE fails traffic will be routed to the other.

Multi-Cloud Access:

SD WAN Multi-Cloud provides high performance, inexpensive, and secure cloud and cloud-to-cloud connectivity directly into leading cloud service providers. It extends the SD WAN benefits of security, analytics and optimization to connectivity to the public cloud.

Traffic steering (Dynamic multi-pathing):

- **Basic:** Choose which applications take which path, based on IP Address/Network, protocol and/or Port number. You can also choose triggers for an application to switch to the secondary path, based on jitter, latency or packet-loss level.
- **Advanced:** Application is detected by deep packet inspection. 2600 applications are detectable. User defined applications are possible. Traffic steering can be done by URL.

VoIP on SD WAN

VoIP on Colt SD WAN leverages VoIP traffic prioritisation to optimise virtual meeting experience for your end users, enabling more efficient usage of your existing underlying network.

Dual stack IPv6 support

Colt SD WAN with dual IPv4 and IPv6 stack support provides you with the flexibility to design your WANs with IPv4 today, while future-proofing and avoiding an expensive swap out when transitioning to IPv6.

Analytics (Self-service traffic view):

View your traffic flows via our web based portal, control bandwidth consumption on application level, and take action to steer applications to either the Internet or MPLS path. Advanced analytics for applications is also available by sessions, bandwidth, and access circuit on each branch, including bandwidth consumed by each application.

Customer Portal:

You can configure single or multiple devices in real time. Network services can be used, provisioned, and orchestrated in real time and on demand.

Integrated firewall:

- **Basic:** Standard Layer 3/4 Stateful Firewall
- **Advanced:** Layer 7 Firewall policies. DDOS support. Common or specific policies across your branches

Active/Active operation:

You can have your data flow down two routes simultaneously, increasing both bandwidth and resiliency.

For more information, please contact us on:

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