

## Accelerating digital transformation with scalable, secure SD WAN



### Benefits at a glance

- **Cost:** Delivered using competitively priced public Internet services, with only top priority traffic routed across premium MPLS paths, if necessary
- **Resilience:** Multiple WAN links available in either active-standby configuration or active-active, doubling the BW for load-balancing
- **Speed of delivery:** Using your existing Internet access (even LTE as standalone) enables a much quicker service deployment than OLO tails, even in remote locations
- **Control:** Easily manage your traffic on chosen application with thresholds and change traffic patterns via the management portal
- **Flexibility:** Great variety of off-the-shelf CPEs, simple to set up, activate and configure.

Multiple BW tiers available to meet all your traffic pattern needs

### Meet your business objectives with the right WAN

Are you looking for a wide area network that can meet the fast-evolving requirements of your business and support your business goals?

If so, consider Colt's SD WAN with VMware, that offers an agile, highly resilient and robust solution, cloud-based and available globally, with features including optimisation, enhanced security in the branch and dynamic path selection for load sharing purposes.

#### 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 off the shelf CPEs, as easy to set up as a home router, deployed within your network and configured on site or remotely.

Both orchestrator and gateways are cloud based, meaning that are instantly available, highly scalable and resilient, capacity managed and proactively operated, offering a beyond-the-standard availability.

#### Site types:

- SD WAN Hybrid (3rd Party OLO line + Internet line). Up to 4 different wan links per site, multiple combinations according to the site needs (includes dual CPE setup)
- SD WAN Internet-only (includes dual CPE setup)

#### Network:

With 32 Gateways scattered globally, with more to come across 2022, you can always count on the best coverage, performance, latency and connectivity. This solution is based on our partnership with VMware, an established market leader in WAN edge infrastructure.

#### Traffic steering and congestion mitigation

SD WAN allows you to choose among different connection types, including: MPLS, LTE, DIA or Broadband.

With multiple WAN links, traffic steering technology is used to select the best path for each application to overcome any possible outage or quality issues. This feature detects and prevents service degradation and even improves performance over a single link using congestion mitigation technology.

#### Transport Security:

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

### Key Features

#### 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.

#### Lower cost to entry, easy to scale

Thanks to the model of Colt SD WAN with VMware, deployment is simpler than ever. Solution components are Cloud Hosted, available from day one, and providing access from anywhere. It can rapidly scale as your network grows.

## 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
- Industry-leading customer service

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



## Multi-Cloud Access

Multi-Cloud Access provides high performance, inexpensive, and secure 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, enabling your cloud resources to become part of your VPN, accessible anywhere.

## Dynamic Multipath Optimization

VMware DMPO provides automatic link monitoring, auto-detection of provider and autoconfiguration of link characteristics, routing and quality of service (QoS) settings.

VMware DMPO delivers sub second blackout and brownout protection to improve application availability. It remediates link degradation through FEC, activating jitter buffering and synthetic packet production.

## VoIP on SD WAN

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

## Zero Touch Provisioning

Remote set-up and configuration has never been so easy. CPEs automatically authenticate, connect, and receive the instructions as soon as they are connected to Internet.

## Application recognition

Application is detected by deep packet inspection. 3000 applications and sub-applications are detectable intelligently.

It continually evolves as it learns of new applications and adds them to the cloud-based application database.

## 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.

## Powerful customer portal

Customers can access VMware SD WAN customer portal directly, ensuring that you always benefit from the latest features and security updates available.

Through this cloud hosted, secure and scalable web-based central management tool, you can configure single or resilient sites and orchestrate services in real time. You can also provision, configure, monitor, troubleshoot or extract different analysis and reporting when necessary.

VMware SD WAN Orchestrator allows the implementation of business-based policies for application delivery, simplifying application traffic management.

## Integrated firewall:

Colt SD WAN with VMware includes, by default, a built-in stateful FW fully functional at no additional cost with every CPE.

The different policies and Firewall rules across your branches can be easily managed through the customer portal.

## Active/Active operation:

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

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