

# WIDE AREA NETWORKS (WAN)



## The challenge

Connectivity is the ‘unsung hero’ of the digital age - powering the rapid adoption of cloud-based applications and infrastructure. As online connections to cloud platforms such as Microsoft Azure and Amazon Web Services proliferate, the need for direct, reliable and secure connectivity increases - and private networks become more and more critical.

Some believe the next generation of internet-based networking solutions, such as corporate 5G and SD-WAN are the answer. But they can be expensive to implement and will never rival the performance of a private network, which has consistently been proven to deliver low latency to business-critical, corporate applications.

If you aren't fully leveraging a private network, then it might be time to review your current WAN solution for the following reasons:

- Relying on the public internet for connectivity means you will always compete with other business and consumer traffic
- Your data is traversing an increasingly unsecured public network - with the use of VPNs becoming more and more risky. This is due to scalability limitations linked to the additional processing needs and costs of head-end, firewall-based encapsulation systems
- Public internet carriers can be unreliable, which means you just have to accept poor service - and there is no way to exercise quality of service controls
- You could be missing out on the guaranteed performance, improved resilience and enhanced security of a private network, for the same cost as your public internet-based service. And it comes with a ‘swiss army knife’ of connected cloud connectivity options to facilitate any prevailing Hybrid IT or cloud-first application strategy

# Wide Area Networks (WAN) from Convergence Group

**A private network will always be the best route for your core business connectivity.**

## WAN services overview

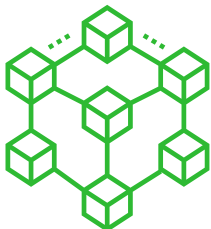
Our WAN services are based on a VRF (Virtual Routing and Forwarding) model. This means we can deliver multiple WAN instances including MPLS (Multiprotocol Label Switching), voice and internet - allowing you to prioritise your private traffic, while minimising the public internet to improve overall security and reliability.

It's like choosing between your own dedicated toll road or the public motorway for your corporate traffic. Our WAN services provide a dedicated private connection to each of the online destinations your business users need to access every day - for their core applications, content & data.

This can include your own data centre, cloud providers such as AWS or Azure, voice (SIP) and the UK's main internet exchanges, such as LINX. It also leverages recognised industry networks, such as the Health and Social Care Network (HSCN) and secure mobile connections to your private corporate network via 4G APN (Access Point Name).

## Key benefits at a glance

- Enables business users to access core data, content & applications privately
- Creates a blended public and private network with the vast majority of business connectivity running across dedicated & secure (private) connections
- Includes upgraded network-edge security and next-generation firewall
- Ensures uninterrupted access to the tools your workforce need, such as voice, video conferencing and business-critical applications
- Offers scalable bandwidth to meet your needs across different sites now and in future
- Enables private access to destinations such as your data centre, private cloud environments, 4G APN and regulated industry networks
- Gives you improved security and performance for the same cost as the public internet
- Offers private or public or both private and public resilient, direct access to all major Cloud Service Providers including AWS, Azure, Google, IBM and Oracle



### Discover More



[convergencegroup.co.uk](http://convergencegroup.co.uk)

### Sales and Support

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### Core Products

Wide Area Networks (WAN)  
Maintenance  
Wireless Local Area Networks (WLAN)  
Managed Security Services  
SIP

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## Why Convergence Group?

As well as using our own core network, Convergence Group aggregates the connectivity services of the top tier 1 carriers. This means we can offer greater network capacity and affordability, both UK wide and internationally. Our infrastructure is accredited to the highest industry standards including HSCN (Health & Social Care Network) and PSN (Public Sector Network).

It doesn't matter if you're connecting one site or one thousand sites, you get the same secure network and quality of service. Here's a summary of why you can trust us for all your wide-area networking and connectivity needs:

- We offer a five-level Quality of Service (QoS) map, which guarantees the data traffic classified and prioritised at the edge of your network is transported over our core network, within a defined set of quality performance metrics
- As most WAN networks do not use inbound ACLs, we enable customers to benefit from additional security across internet, voice and cloud virtual service networks or site-to-site links within our WAN service
- As standard, we provide 5 ACLs per virtual service network free of charge which can be used to enhance the security of your access. Additional blocks of 5 can be purchased separately
- Our MAC (Moves, Adds, Changes) SLA is just 48 hours, which is much quicker than most providers and provides complete flexibility
- Convergence Group holds HSCN accreditation, so our end-to-end latency has to be below 30 milli-seconds (ms) which makes it assured for all multimedia streams (voice, video & data)



Trusted by



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