

A New Network For The New Normal

The pandemic dramatically changed the distribution of workers, compounding the disruption of digital transformation initiatives that have already pushed enterprises to modernise their existing networks. With the right architecture, technologies and services, companies can make the jump to the cloud confident that they have the backing of a robust, secure and resilient network that will grow along with their business.

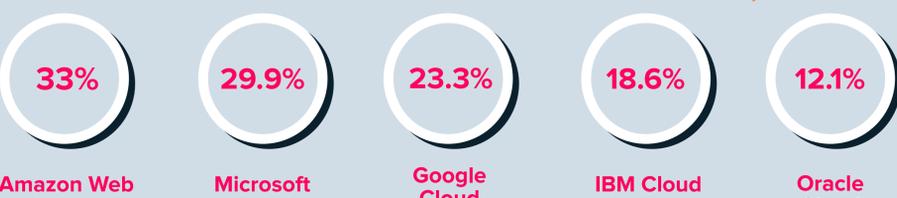
What's driving the need for a new enterprise network?

69% of businesses accelerated their digital transformation during 2020 (IDC)

70% of enterprises will adopt a proactive posture for network operations across multi-cloud networks (IDC)

59% of enterprises agree it will be important to invest in the cloud over the next two years to integrate network processes across cloud providers (IDC)

Which cloud services are enterprises directly connecting their WAN to?



Network challenges facing today's organisations

Poor Performance

Due to increasing bandwidth demand, low latency and high input/output requirements

Cloud Adoption

As migrating workloads to multi-cloud environments is challenging enterprises to maintain performance and seamless, secure connectivity

Management Complexities

Due to deploying newer branches, reduced network visibility, launching new services and policy flexibility

Increased Security Threats

With the use of the Internet as a primary mode of transport significantly increasing the cybersecurity threat surface

Legacy Infrastructure Bottlenecks

With the onus on enterprises to progress from legacy systems that impose cost and operational stress

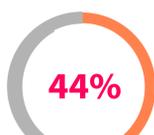
Lack of Interoperability

As multiple point solutions for networking, security and load balancing leave enterprises struggling to interoperate with different platforms, and to gain efficiencies

The importance of network resilience



Surge in disruptions to ISP networks in early 2020 (Cisco)



Jump in disruptions to cloud providers' networks during early 2020 (Cisco)



59.8% of business continuity professionals rate IT resilience as the most significant factor in responding to the pandemic (BCI)

Key enablers of network resiliency

Extending security to a remote workforce

Enabling safe return to on-premises workspaces

Facilitating multi-cloud for greater resilience

Automating operations for faster recovery

Leveraging AI-powered network analytics for smarter insights

Enterprises can rapidly respond to growing disruptions and threats by automating...

Network access, onboarding and segmentation to protect groups of distributed users and things

Network policy within the enterprise data centre with application-centric segmentation

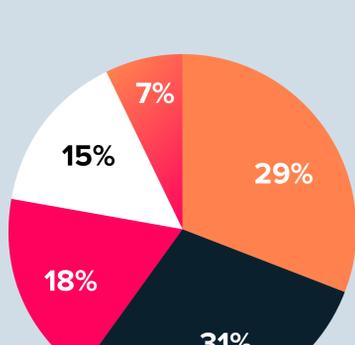
A cloud operating model delivering consistent application policy across on-premises and hybrid cloud environments

End-to-end multi-domain policy-based segmentation for a consistent, end-to-end zero-trust access model

Repetitive administrative tasks like network provisioning, configuration and image management

Towards the network of the future

Over the next two years, organisations will have the following environments



31% A single cloud environment

29% Multiple cloud environments to migrate workloads and data between

18% Multiple cloud environments with little or no interoperability

15% Multiple cloud environments where an app can run seamlessly across the clouds

7% Multiple clouds managed using common tools and processes for seamless app operation

The three pillars of successful multi-cloud networking strategies

Workload

Adopt a cloud operating model to simplify the policies, security and management of workloads and services across on-premises data centres, multiple disparate clouds and other computing environments

Access

Adopt SD-WAN and SASE approaches to ensure consistently secure multi-cloud access for users and devices

Security

Reduce the risk associated with users, devices and applications distributed across multiple clouds and other computing environments