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)



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



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?



**Amazon Web Services** 

29.9%

**Azure** 

**Microsoft** 

23.3%

Cloud **Platform** 

Google

18.6%

(SoftLayer)

**IBM Cloud** 

12.1%

**Oracle** Cloud

## Network challenges facing today's organisations

#### **Performance** Due to increasing

bandwidth demand, low

**Poor** 

latency and high input/output requirements

#### Adoption As migrating workloads to multi-cloud environments is

Cloud

maintain performance and seamless, secure connectivity

Legacy

Infrastructure

**Bottlenecks** 

challenging enterprises to

#### Due to deploying newer branches, reduced network

Management

Complexities

visibility, launching new services and policy flexibility

Lack of

Interoperability

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

Increased

**Security** 

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

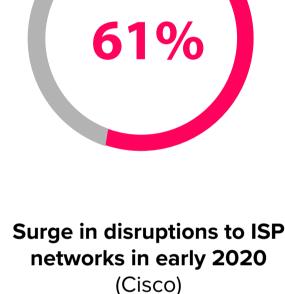
operational stress

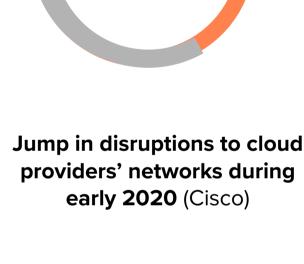
#### As multiple point solutions for networking, security and load balancing leave enterprises

struggling to interoperate with different platforms, and to gain efficiencies



The importance of network resilience





44%

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

**59.8%** 

### resiliency CISCO Partner

Key enablers

of network

# providers' networks during

**Facilitating** 

multi-cloud

for greater

resilience

**Automating** operations for faster recovery

Extending

security to a

remote

workforce

Leveraging **Al-powered** network analytics for smarter

insights

**Enabling safe** 

return to

on-premises

workspaces

## **Network** access. onboarding and

#### **Network policy** A cloud **End-to-end** Repetitive within the operating model multi-domain administrative enterprise data delivering policy-based tasks like centre with consistent segmentation network application applicationfor a provisioning, policy across centric consistent, configuration on-premises and end-to-end segmentation and image

Enterprises can rapidly respond

to growing disruptions and

threats by automating...

segmentation

to protect

groups of

distributed

users and

things

hybrid cloud

environments

7%

**15%** 

zero-trust

access model

**29%** 

management

CISCO Partner

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

**Towards the** 

network of

the future

Multiple cloud environments with little or no interoperability

**31%** A single cloud environment

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

18% 31% Multiple cloud environments to migrate workloads and data between Multiple cloud environments where an app can run seamlessly across the clouds



## The three pillars of successful multi-cloud networking strategies

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

Workload

## Access

consistently secure

multi-cloud access for

users and devices

**Adopt SD-WAN and SASE** approaches to ensure

## **Security**

Reduce the risk associated with users distributed across multiple clouds and other computing

devices and applications environments