

WD

24



Connectivity for Distributed Organisations

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Networks & Connectivity

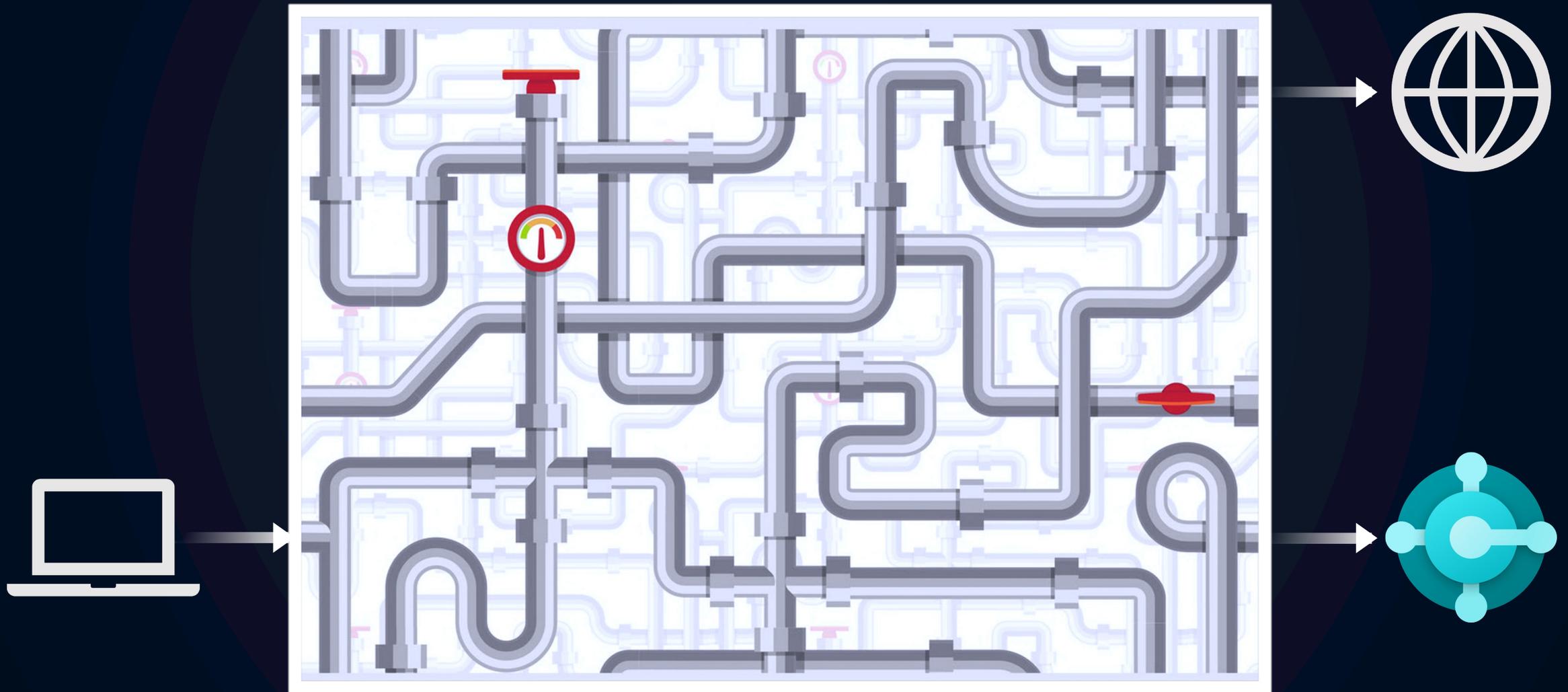
50%

**of organisations say
legacy infrastructure
is the biggest barrier
to digital transformation**

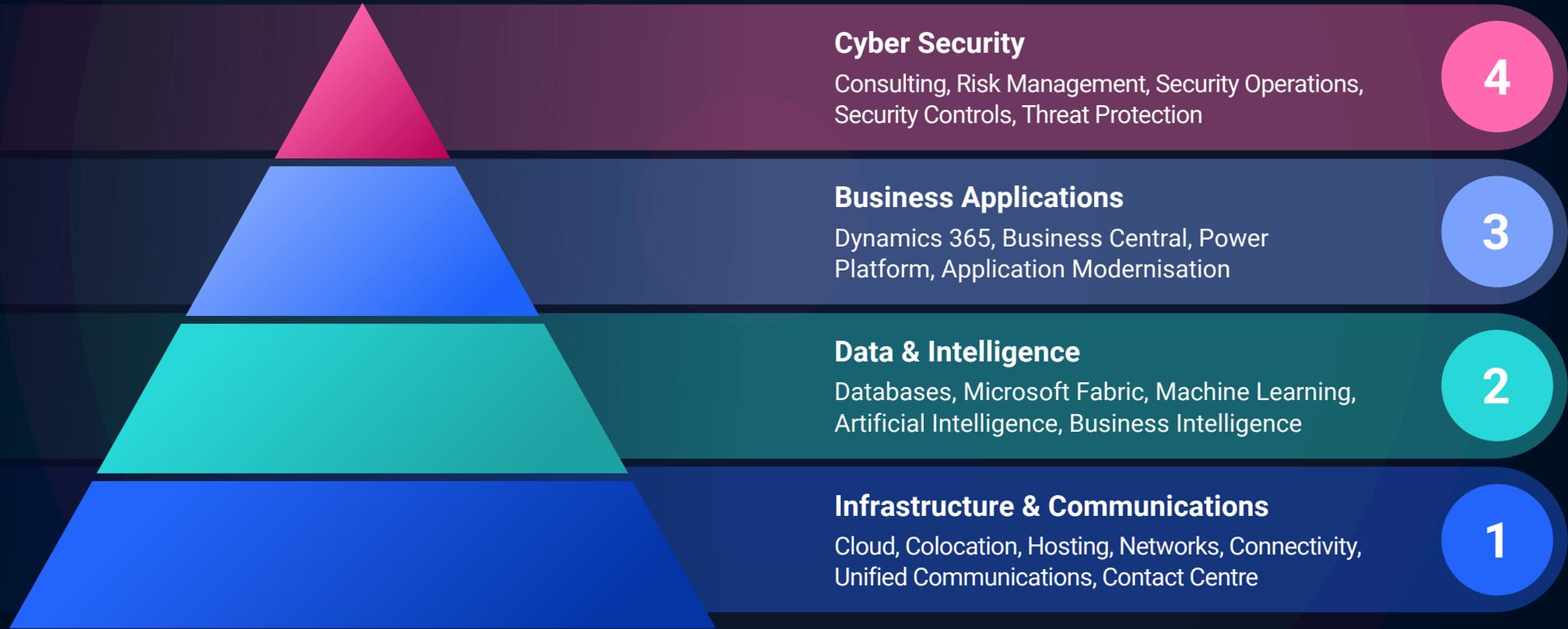
A conceptual illustration featuring three blue network devices with sad faces and wings. The devices are bound with thick, brown ropes. One device is suspended in the air, while two others are on the ground. A network switch is visible in the foreground, also partially bound by ropes. The background is a plain, light blue wall.

**Is your network
holding you back?**

The Internet's Plumbing



Networks Underpin Resilience and Productivity



Cloud

What Most
Enterprises
Anticipated



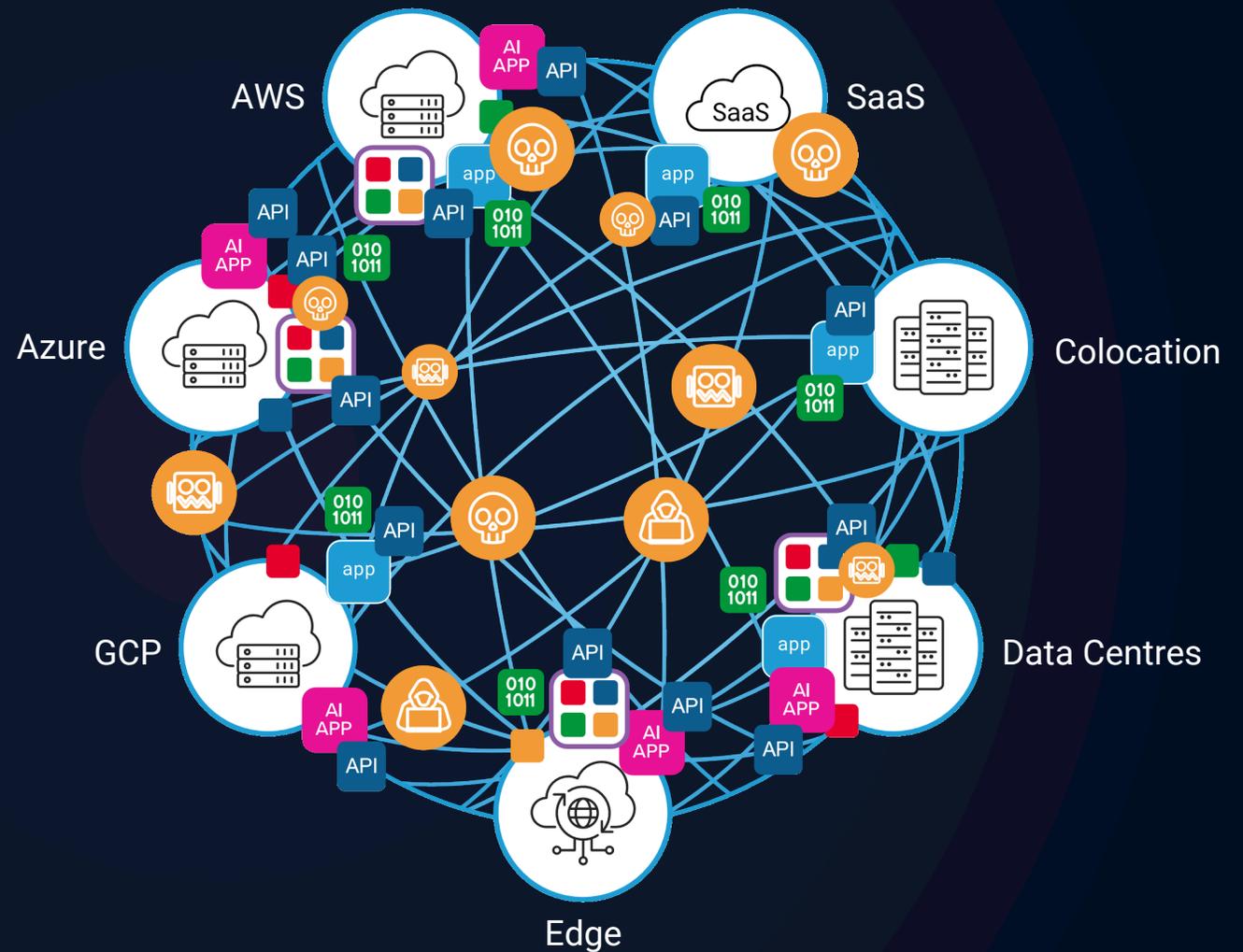
On-Prem /
Data Centre



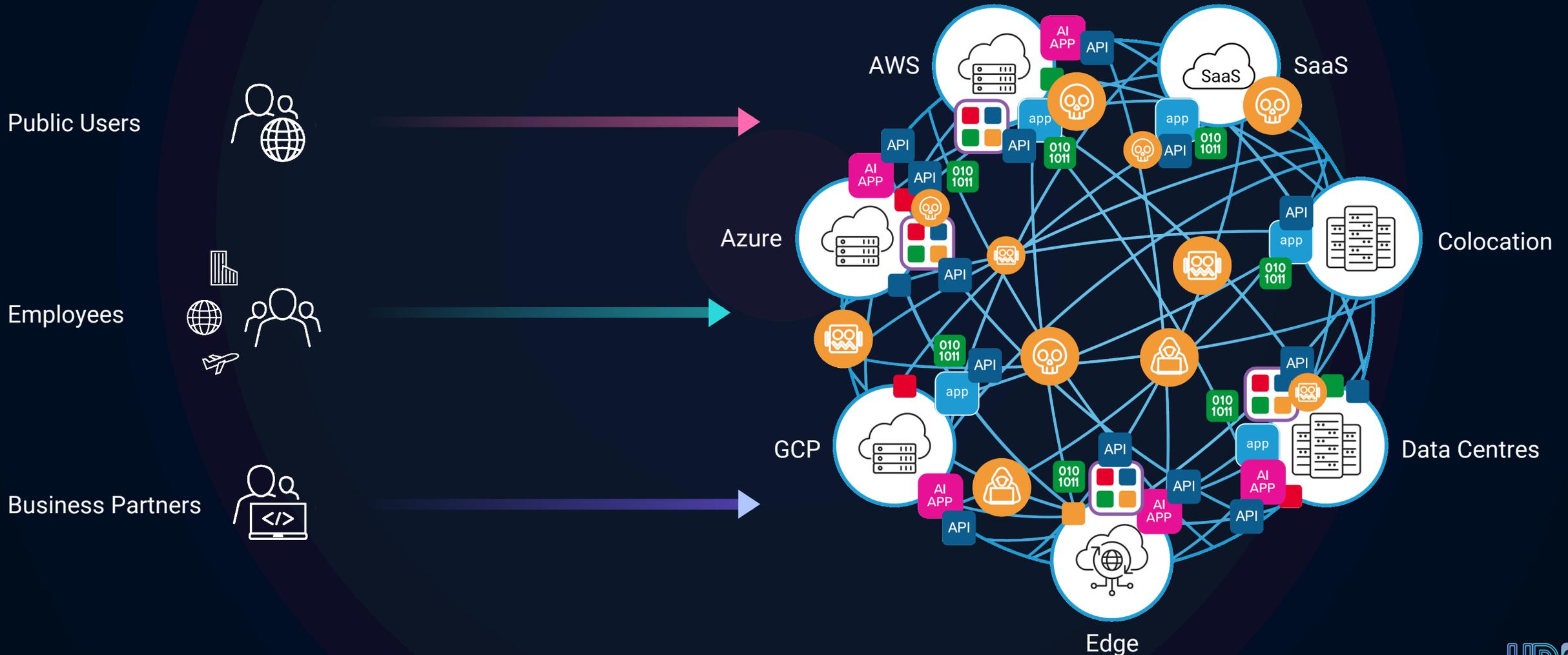
Cloud

Cloud

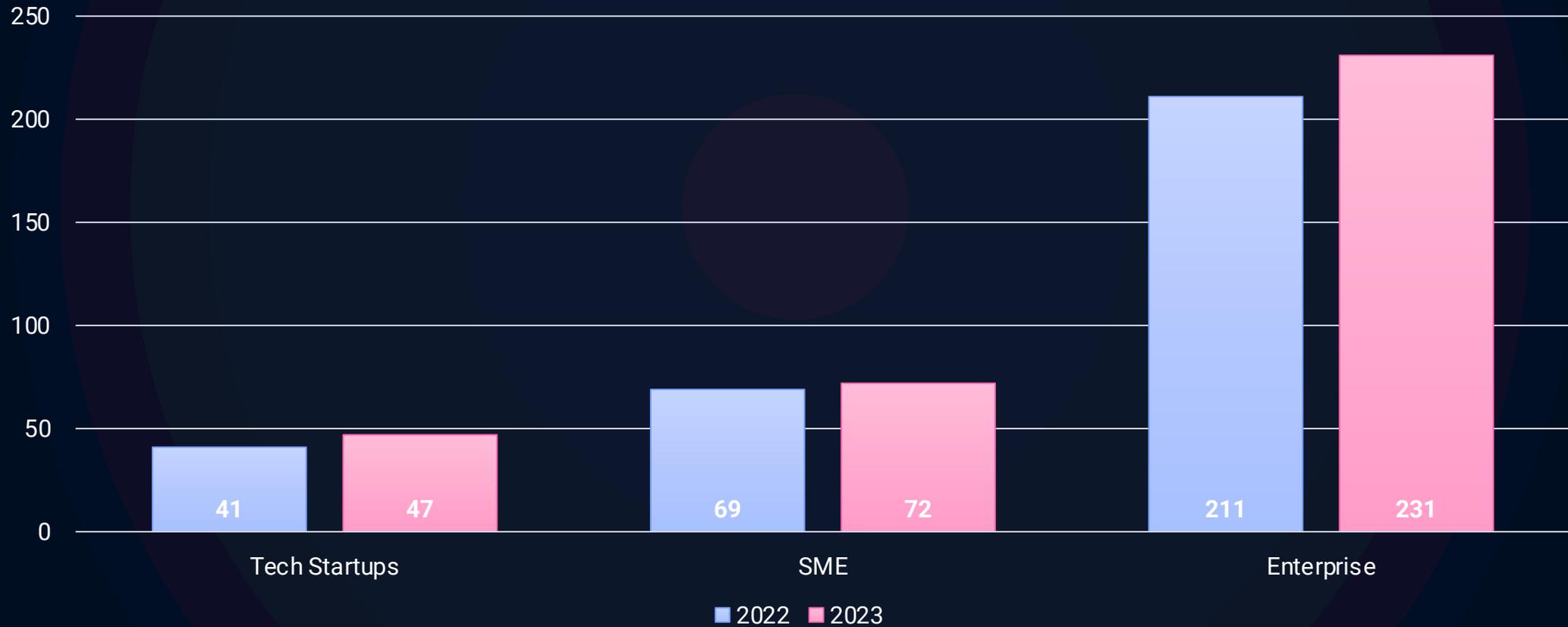
Where 90%
Have Now
Ended Up



Distributed Infrastructure, Applications and Users



Growing Application Adoption



Business Central is One of those Applications



On-Prem

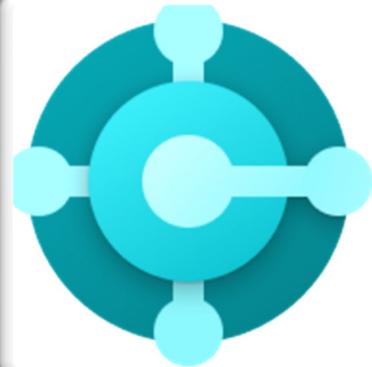


Hosted



SaaS

Frontend
Access



Microsoft Dynamics 365
Business Central



Backend
Integrations

AI is Expected to Exacerbate the Problem

2023

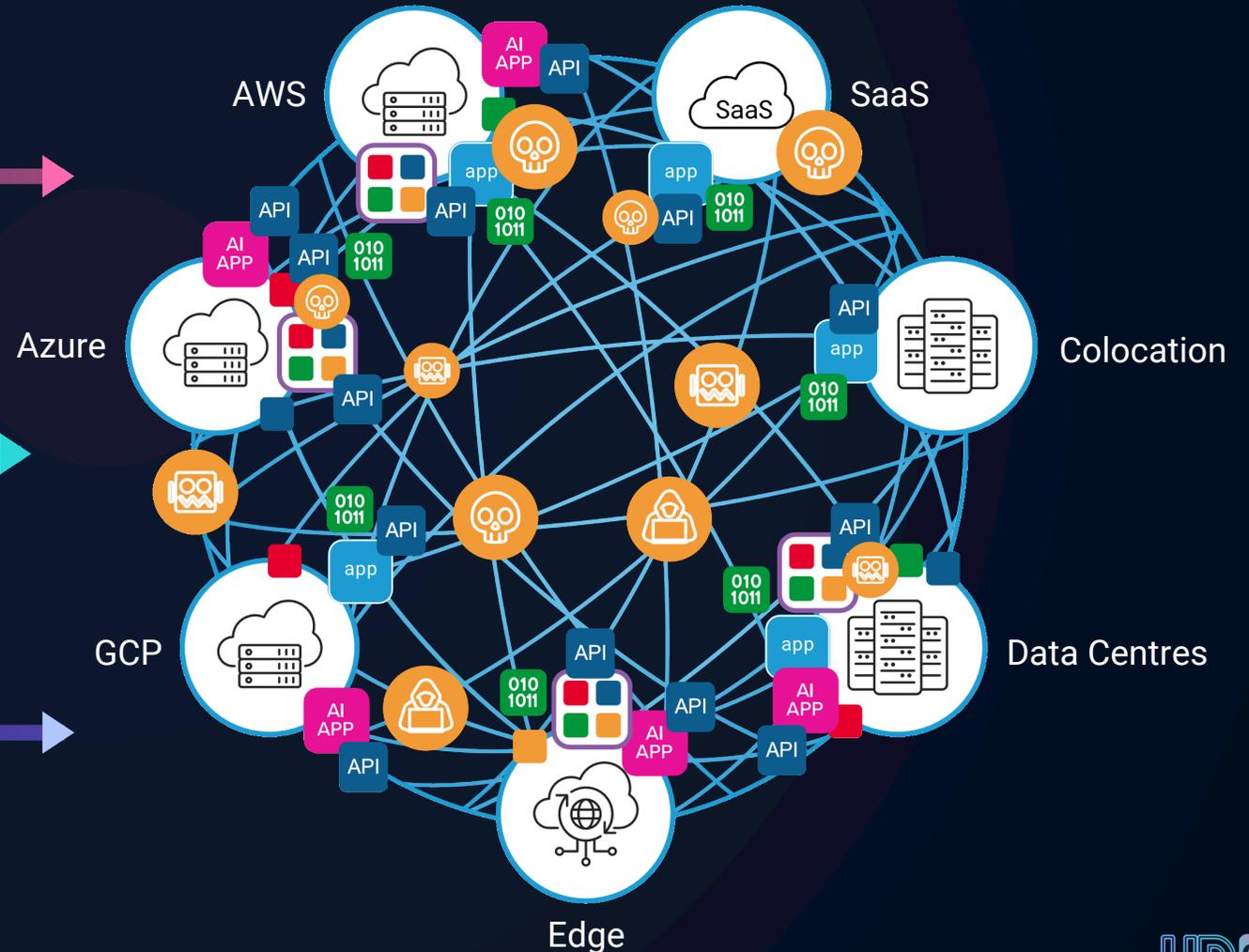
Development of AI Models and Services

2024

Infrastructure Build-out in Preparation for AI Applications

2025 +

Broad Enterprise Deployment of AI Driven Applications



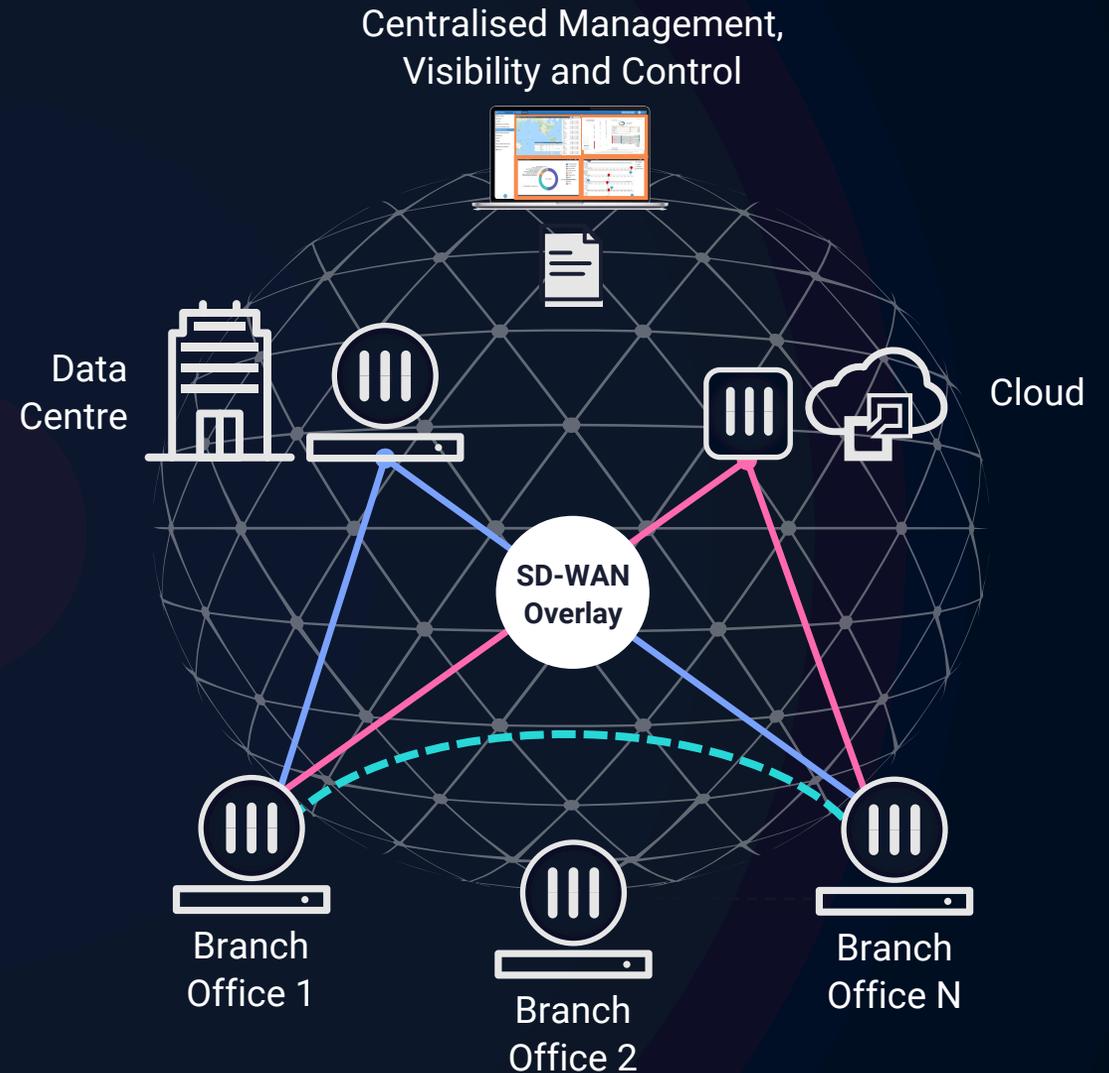
What Can You Do?

Ensure you have a network that:

- Has a focus on applications
- Is easy to use and access
- Delivers the necessary performance
- Facilitates the convergence of networking and security
- Enables business agility
- Accelerates innovation
- Provides end to end visibility
- Benefits from cloud management and delivery
- Supports high levels of automation
- Optimises spend or reduces costs

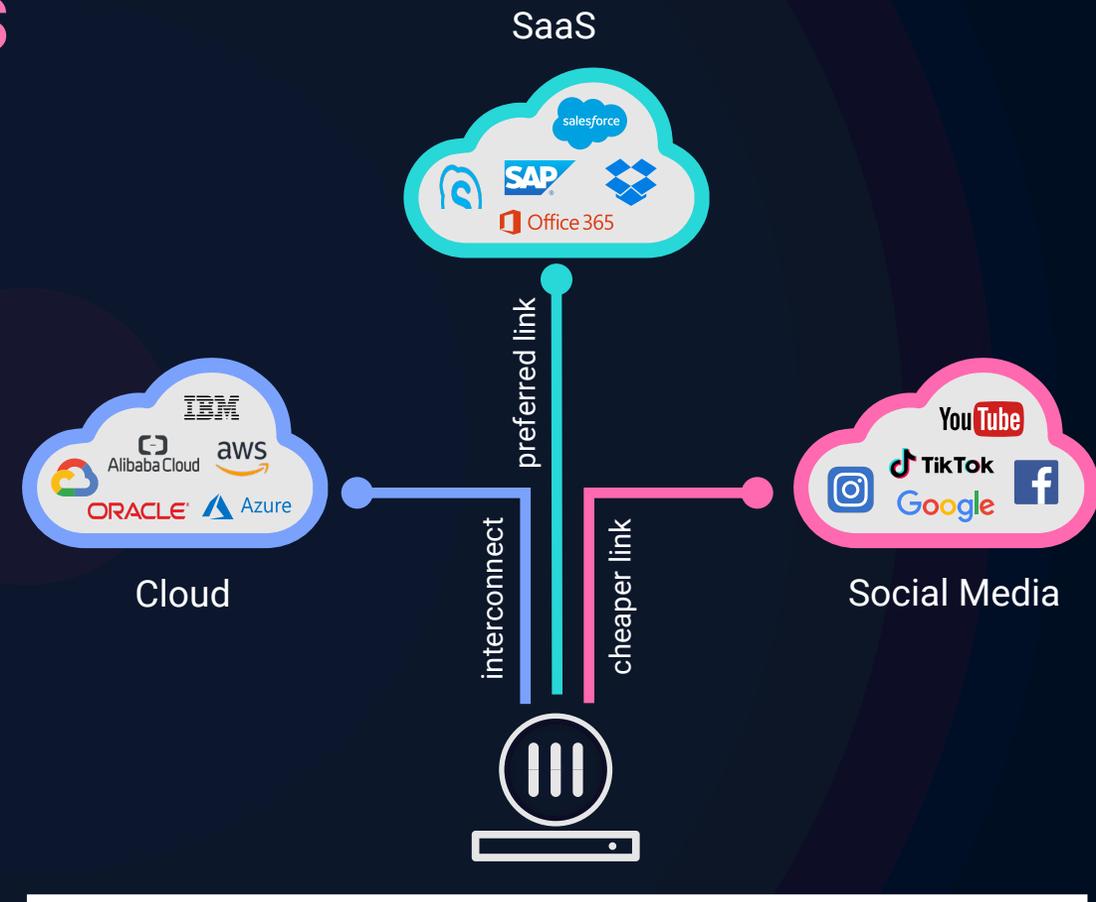
Build a Modern, Dynamic Network

- Modern networks flex and adapt as needs evolve
- Centralised management accelerates change
- API's promote integration and automation
- Remote access supports hybrid working
- Consistent user experience reduces friction
- Threat protection minimises cyber incident risk
- Advanced health checks ensure resilience



That Understands Application Demands

- Aggregate connectivity - utilise fixed line and wireless depending on the use case
- Dynamic path control with intelligent application and user-based routing
- Identify applications and make decisions according to priority or requirements
- Steer application traffic to the most appropriate connection
- Monitor availability and performance
- SLAs for assurance reporting
- Improved failover and resilience



Direct Traffic Based on Business Intent

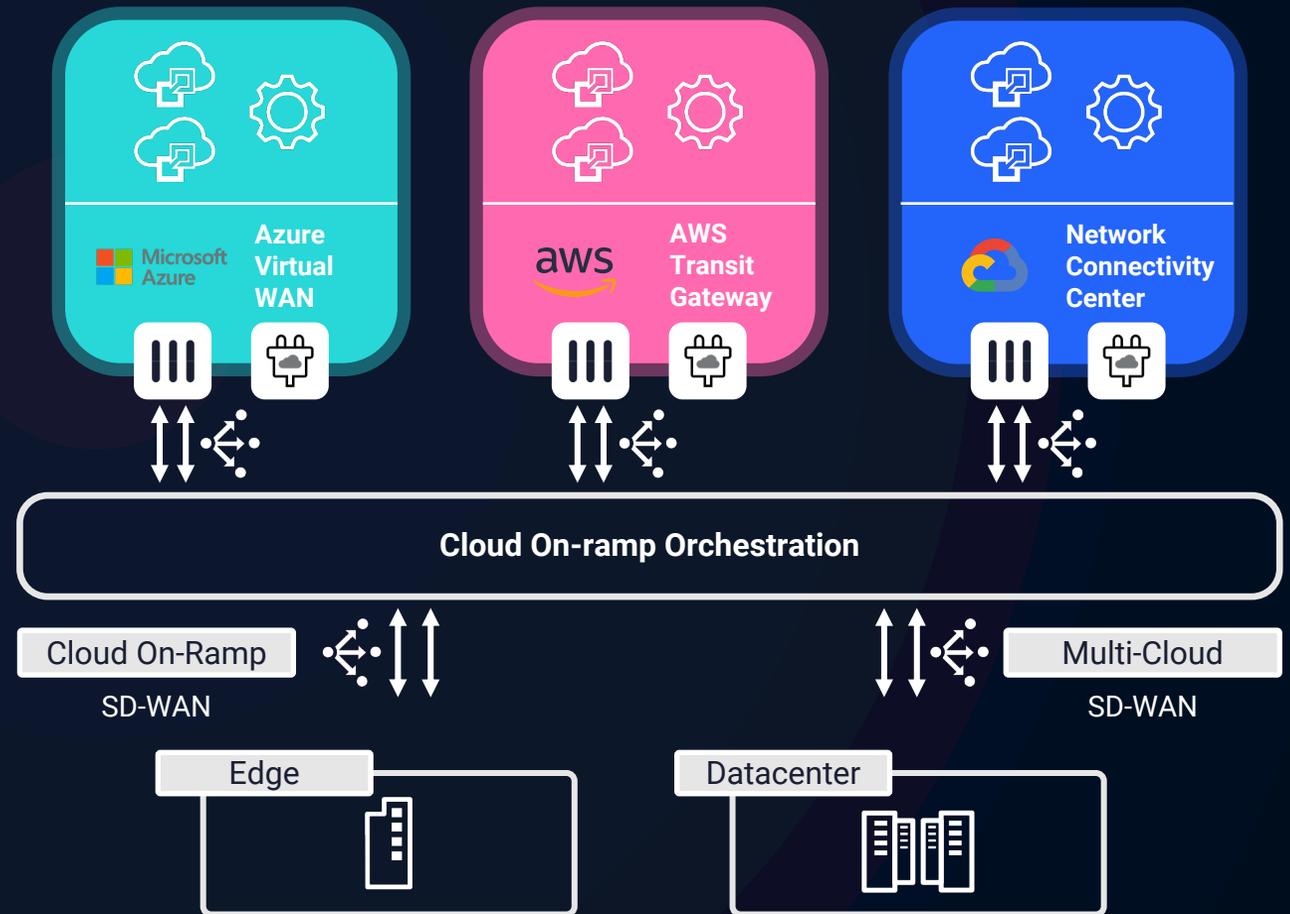
That Supports Users Working from Anywhere

- Users working remotely expect the same experience regardless of location
- Options include Virtual Desktop (VDI), client SSL VPN, and Zero Trust Access (ZTA)
- Context based zero trust enforcement, with ongoing posture checks and remediation
- IT and security policy compliance checking
- Extend security controls to remote endpoints
- Integration with SD-WAN and SASE
- Visibility through telemetry and logging
- Vulnerability assessments



That Integrates Cloud Applications & Infrastructure

- Cloud virtual appliances, PAYG or BYOL
- Integrate cloud networks with services like azure virtual wan hub and network virtual appliances (NVA's)
- Integrate cloud interconnects – Microsoft ExpressRoute, AWS DirectConnect, GCP Interconnect
- API connector integrations
- Cloud and app ID databases
- Support for SAML and cloud IAM
- Cloud access security brokers (CASB)



That Enhances Security and Reduces Risk

- Advanced firewall capabilities
- Built-in next-generation security services
- Segmentation at branch perimeter
- Templating of security configuration
- Security for on and off network users
- 3rd party security integrations
- Enhanced compliance reporting
- Support a journey to zero trust
- Consolidate point solutions



That Scales As Your Business Grows

- Categorise sites according to similarities and common characteristics
- Build out branch-in-a-box blueprints for repeatable architectures
- Utilise provisioning and deployment templates for confidence in delivery
- Deploy with Zero Touch Provisioning (ZTP) for higher levels of automation
- Leverage centralised control and policy driven management for consistency
- Gain assurances using centralised logging, analytics and reporting



While Leveraging Modern Connectivity

Connectivity is Changing

BT are progressing the PSTN switch-off, driving stop-sell and replacement of legacy connectivity technologies. Replace ADSL, FTTC and EFM where possible.

Migration Options

ADSL → SOADSL / SOGEA / FTTP

FTTC → SOGEA / FTTP

EFM → SOGEA / FTTP / Ethernet

...or wireless (4G, 5G, LEO Satellite)



Modern Connectivity Options

FIBRE ETHERNET

Ethernet solutions offer high levels of reliability, bandwidth and performance over fixed lines for connecting locations, with resilience options.

BROADBAND

Broadband solutions offer high bandwidth for lower cost over fixed lines, with SOADSL, SOGEA, EoFTTC, FTTP and EoFTTP options.

MOBILE

Mobile solutions offer rapid deployment wireless bandwidth over cellular networks using 4G and 5G technology, or LPWAN for IoT.

WIRELESS

Wireless solutions offer connectivity that delivers shared or dedicated fast deployment bandwidth using wireless microwave radio technology.

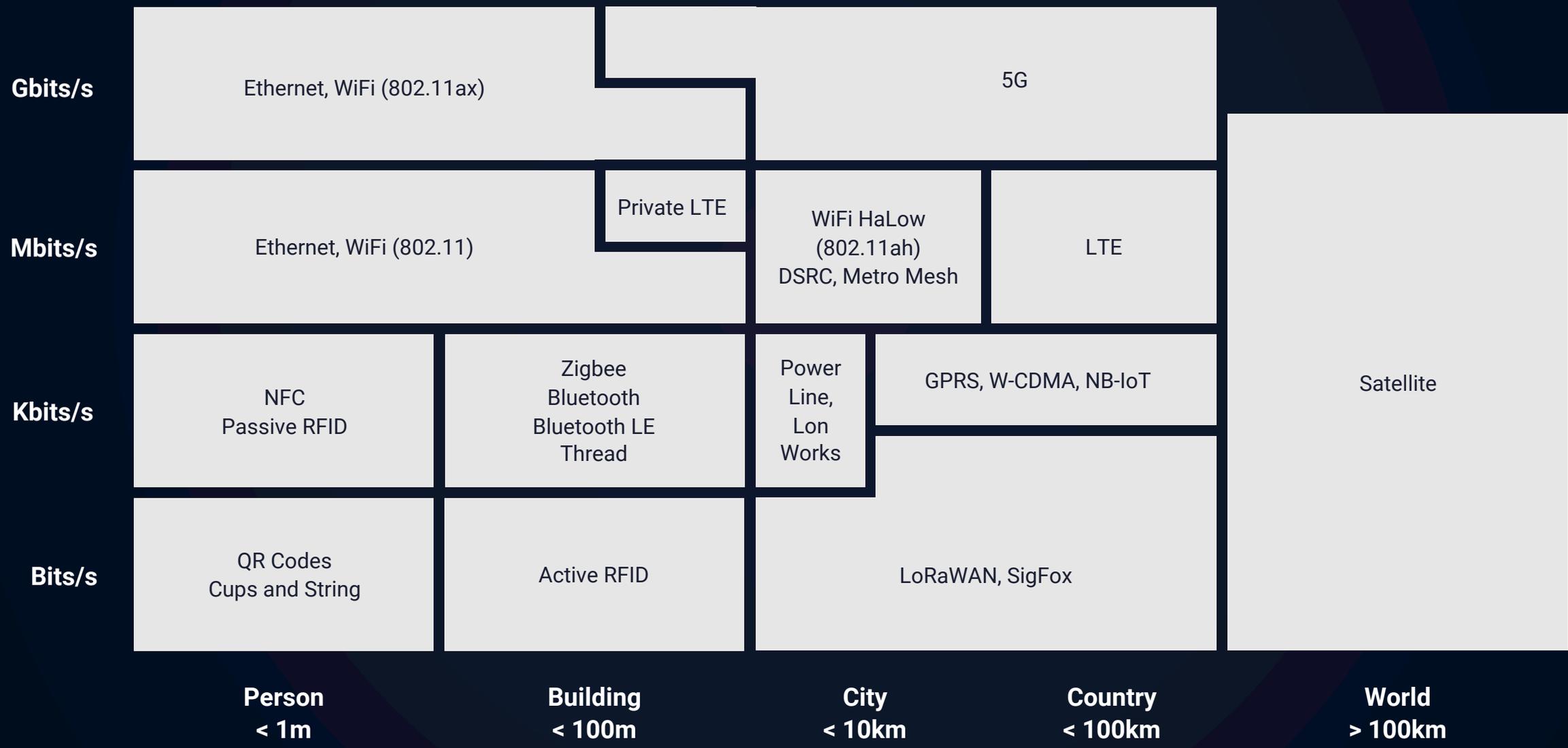
SATELLITE

Satellite solutions offer rapid deployment wireless bandwidth to temporary, mobile and remote locations using space networks.

CLOUD CONNECT

Cloud Connect solutions provide optimal and dependable connectivity from hybrid IT to cloud platforms such as Microsoft Azure and AWS.

IoT Connectivity



Consider Your Resilience Needs

Technology Resilience



+



Ethernet

Broadband



+



Fixed Line

Wireless



+



Mobile

Satellite

Carrier Resilience



BT Openreach

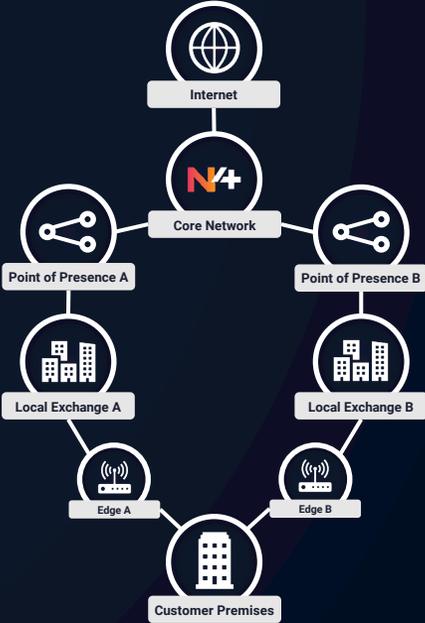
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Independent / Alternative Networks

Resilient Options

Ethernet Products with Resilience Guarantees and Associated SLA's





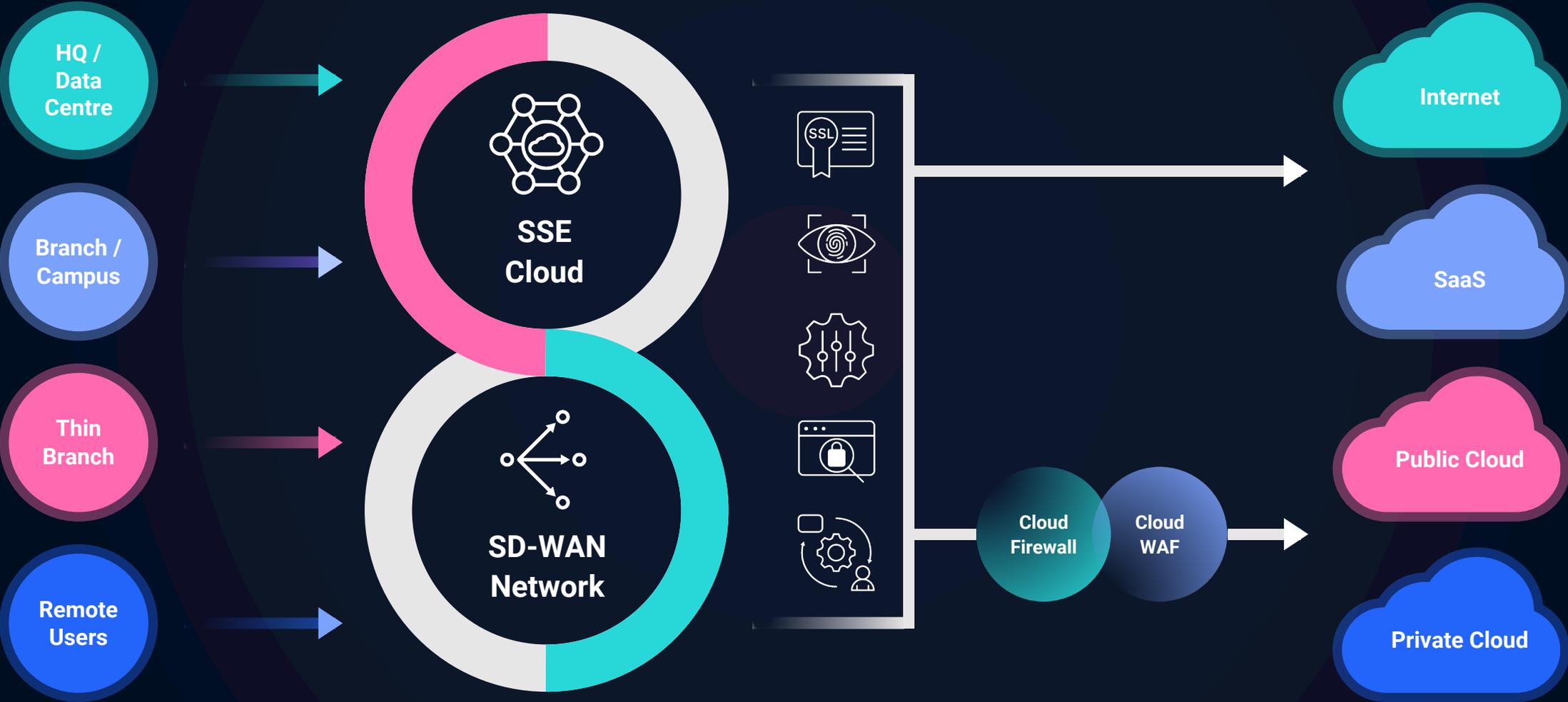
50% of Critical Enterprise Applications Will Reside Outside of Centralised Public Cloud Locations Through 2027

Gartner



Unified Network

Often called Unified SASE
(Secure Access Service Edge)



Don't Forget the Local Network

Local Area Network (LAN)



Wireless LAN (WiFi)



Private 5G

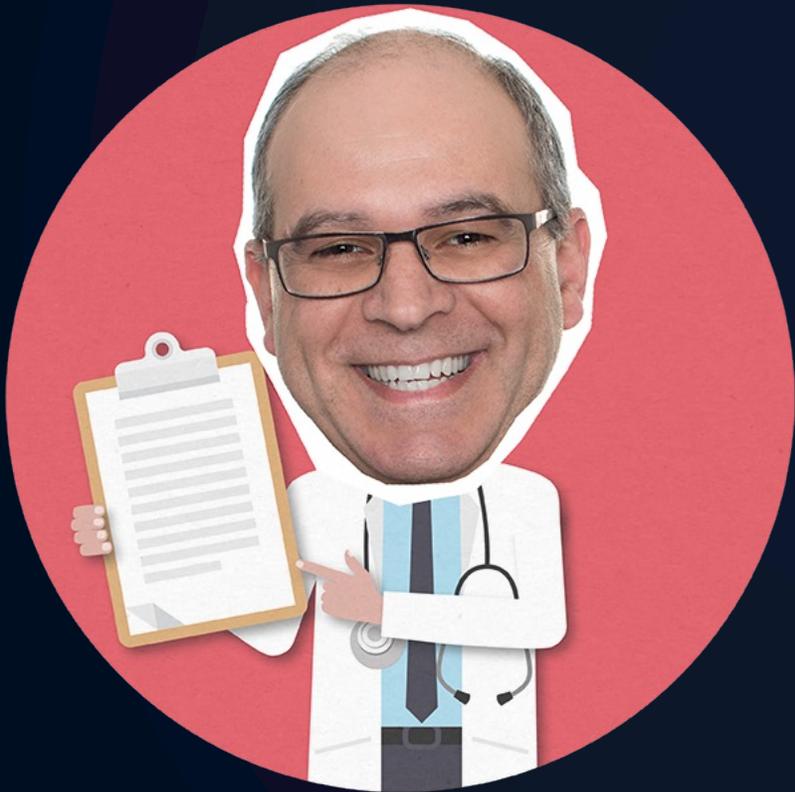


The local networking connects your on-site technology to the wider network, which can drive innovation, productivity and user/client experiences!

Need Help?



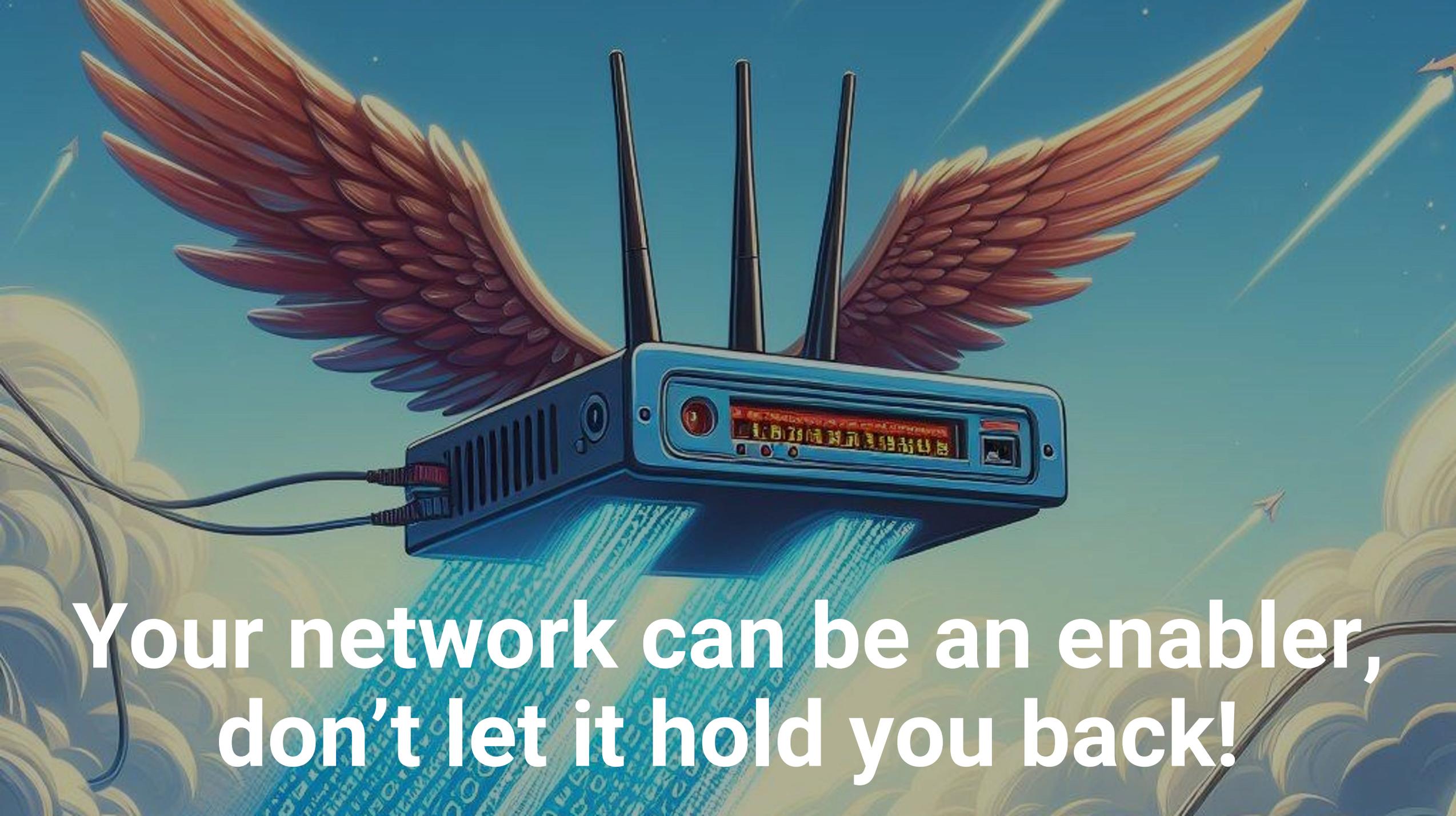
Schedule a Consultation with the Network Doctor



What is the Network Doctor?

Our health check consultancy service designed to help you discover, monitor and optimise your network performance through a structured assessment of your network's vital signs.

We discuss your business, your network, and any known challenges that you are facing to produce a report that delivers actionable insights and recommendations.



**Your network can be an enabler,
don't let it hold you back!**

Thank You.

Glenn Akester



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the365people.com/network-doctor