Sure Cloud Services
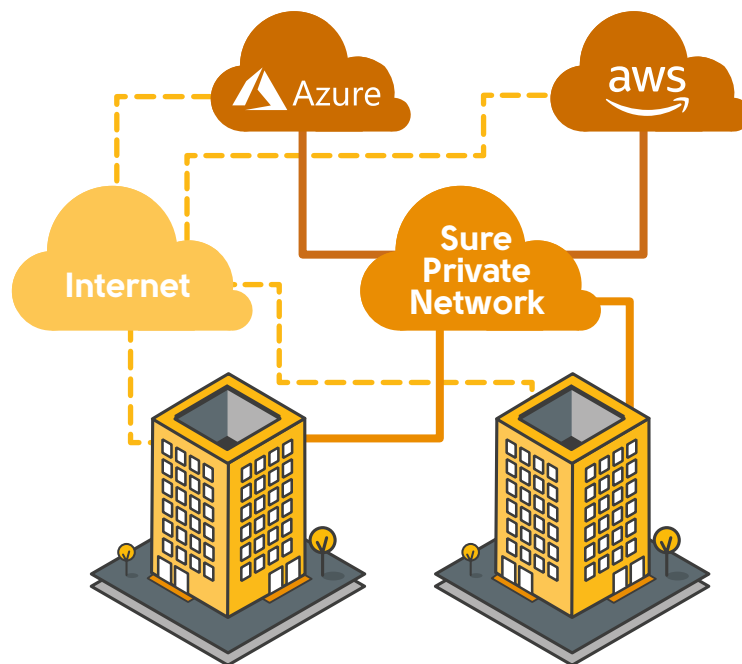# Cloud connectivity

Introduction

In recent years the use of public cloud services has grown exponentially. These services reduce the need to invest in expensive fixed infrastructure and create a flexible pay as you go consumption model for today's demanding digital businesses.

Initially these services were only provided over the public Internet, raising security and reliability concerns for critical services. Today a range of additional options are available which ensure high-speed, always-on and secure connectivity to these important cloud services.

High performance connectivity

Sure has an extensive high-speed network which brings global connectivity to its customers. This is complemented with secure dedicated routes to the major cloud providers.
Sure's cloud connectivity ensures secure, predictable availability and performance for your applications and data across your own IT estate, Sure Cloud, AWS EC2 and Azure services. This new connectivity brings significantly better service performance and delivers excellent support when you need it.

This technology extends your on-premises environment to the Microsoft and AWS clouds via private connections and does not go over the public Internet. Our cloud connectivity service offers higher reliability, greater speeds, consistent latencies, and higher security.

Dedicated Routes

Internet connectivity to cloud offers great flexibility and is highly cost effective. However for applications that demand high security and predictable network performance the Internet is not always fit for purpose. Dedicated cloud connectivity overcomes these issues by routing traffic over private network connections to the major cloud providers.

Service Options

We offer a range of connectivity options depending on your contention and speed requirements.

Cloud Service	Interface	Service Bandwidth	Port size
AWS	Contended and Dedicated Ethernet	100Mb, 200Mb, 500Mb, 1Gb, 10Gb	IP-VPN, 1Gb, 10Gb
Azure	Contended and Dedicated Ethernet	50Mb 100Mb, 200Mb, 500Mb, 1Gb, 2Gb **5Gb and 10Gb available on request**	IP-VPN or dedicated Ethernet

Direct Connect

- Port hours and outbound data commercial model
- VPN and Direct connectivity in N to N+3 depending on Customer needs
- Direct connection or Direct Connect through Gateway
- Data transfer models based on EC2 connectivity and intra availability zone traffic

Express Route

- Monthly charging model
- Standard and Premium offerings
- VPN and Direct connectivity in N+1
- Option for separate egress bandwidth charging, and all inclusive charging model

Features

- Microsoft licensing and Azure Expert MSP partnership
- 24/7/365 support desk
- 100 Gbps off island connectivity
- Cloud transformation support available
- Highly resilient network
- Contended and dedicated Ethernet options

Benefits

- Pay only for what you need
- Network predictability for your cloud workloads
- Predictable cost model
- Single provider relationship from desktop to cloud
- Highly secure private network
- Reduced network latency