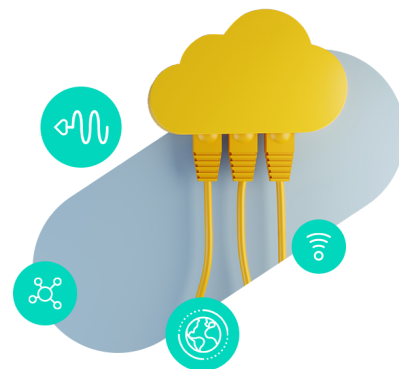# Dedicated Cloud Access

Key Benefits

⊘ Leading 'real-time' and 'pay per use' cloud connectivity

With Cloud On Demand, you get a leading 'real-time' and 'pay per use' cloud connectivity service that matches the benefits of the IT
Cloud providing the first all-in-one cloud experience end to end.

⊘ Enhanced security

The traffic between any enterprise site and cloud access PoP is routed entirely across the Colt network, so that customers can be assured that their mission-critical traffic is safe.

⊘ Better resilience

Colt's award-winning network services are provided with a high degree of resilience. Moreover, customers have a number of enhanced configuration options for High Availability purposes.

⊘ Faster performance

Colt operates one of the lowest latency networks in Europe and Asia, so data is routed over the lowest-latency paths to the clouds.

Dedicated Cloud Access

Secure and reliable On Demand connectivity to the cloud

Does your business use cloud services? Do you find that access over the public internet is slow and unreliable?

Colt Dedicated Cloud Access (DCA)solutions provide secure, flexible, highly scalable, and reliable Ethernet and IP network connectivity into Public Cloud Providers (CSP's).

Colt is a direct connectivity partner with the main players, including Microsoft Azure, Amazon Web Services, Google Cloud Interconnect, IBM Direct Link, Oracle Cloud Infrastructure and Alibaba Cloud.

Colt is also able to provide access to CSPs such as SAP, Salesforce, VMWare and many others.

Customers enjoy not only the Colt network benefits, but also our 24/7 multilingual support facility which supports our service SLA. Our proposition is recognised every year by the Metro Ethernet Forum (MEF) as industry-leading. Colt owns and operates a pan European, Asia Pacific and US network that has direct fibre access into over 900+ Data Centres and 29,000+
enterprise buildings. This means that Colt controls the end-end infrastructure between the hand-off to the enterprise and the Cloud Service Provider.

On Demand capability

Ethernet connectivity is also available through Cloud On Demand to enhance and simplify the user experience. Thanks to SDN
technology, our customers benefit from real-time ordering, provisioning and service flexing through a self-serve portal.

Accessing the cloud

Most of the Cloud Services Providers have separate access points ("PoP") from the Data Centres ("regions") in
which the services are housed. Colt provides direct fibre connectivity to the Cloud Service Providers PoPs in Europe, Asia
Pacific and the US, which simplifies speeds of provisioning, and gives optimum traffic routes for customers.

Predictable experience

Making your traffic independent of the internet means that your customers and own business users can enjoy consistent performance from your apps.
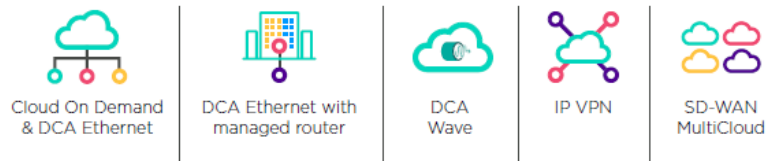
Bandwidth range

Colt supports, depending on connectivity solution and CSP option; from 10Mbps upto 100Gbps.

Offering IP addresses for Public Peering

Colt can provide a Public ASN (IPv4) to extend your existing infrastructure into a virtual cloud network (VCN), bypassing the public internet.

A wide range of connectivity options

Colt Dedicated Cloud Access includes a range of solutions that have been customised for better integration into the cloud. DCA includes five main types of connectivity solutions into public Cloud Service Providers (CSP's):

Cloud On Demand & DCA Ethernet | DCA Ethernet with managed router | DCA Wave | IP VPN | SD-WAN MultiCloud

For single-site connectivity towards CSP's Colt offers Cloud on Demand ethernet connectivity including multicloud offering and high bandwidth Wave services. As an option Colt can also offer managed router on top of DCA Ethernet services. For customers who want to share cloud access across multiple sites, Colt offers cloud integration into SD-WAN/IP-VPN networks. Our solutions support single-cloud, multi-cloud and cloud-to-cloud topologies. Depending on the required connectivity solution Colt can offer upto 100Gbps connectivity towards the Cloud.

Available service options

The below table summarises the available services per CSP:

CSP product	Connection into CSP	Cloud on Demand / DCA Ethernet	DCA Wave	DCA Ethernet with managed router	IP VPN	SD-WAN
AWS Direct Connect	Direct Connect Hosted	✓	Not Available	✓	✓	✓
	Direct Connect Dedicated	✓	✓	✓	On request	✓
Microsoft Azure	ExpressRoute	✓	Not Available	✓	✓	✓
	ExpressRoute Direct	✓	✓	✓	On request	✓
Google Cloud Interconnect (GCI)	GCI Partner	✓	Not Available	On request	On request	✓
	GCI Dedicated	✓	✓	On request	On request	✓
IBM Direct Link	IBM Direct Link Connect	✓	Not Available	On request	On request	On request
	IBM Direct Link Dedicated	✓	✓	On request	On request	On request
Oracle Cloud Infrastructure (OCI) FastConnect	OCI Oracle Provider	✓	Not Available	On Request	On Request	On request
	OCI 3rd Party Provider	✓	✓	On Request	On Request	On Request
Other CSP's	Hosted Port	CSP depending	Not Available	CSP depending	CSP depending	CSP depending
	Dedicated Port	✓	✓	On Request	On Request	On Request