



# Google Cloud Interconnect Solution Brief

Private, low latency connections for reliable, high-performance connectivity into Google Cloud Platform

## Direct Access to the Google Cloud Platform

Google has partnered with EdgeConneX to provide secure access to Google Cloud Interconnect in the EdgeConneX's [Portland](#) data center campus, along with other virtual SDN enabled options in multiple Edge Data Centers across North America and Europe. Customers can now establish secure, scalable and affordable links to Google Cloud Virtual Private Cloud (VPC) networks.

[Google Cloud Interconnect – Dedicated Interconnect](#) provides direct physical connections between your on-premises network and Google's global cloud platform. This enables faster, more

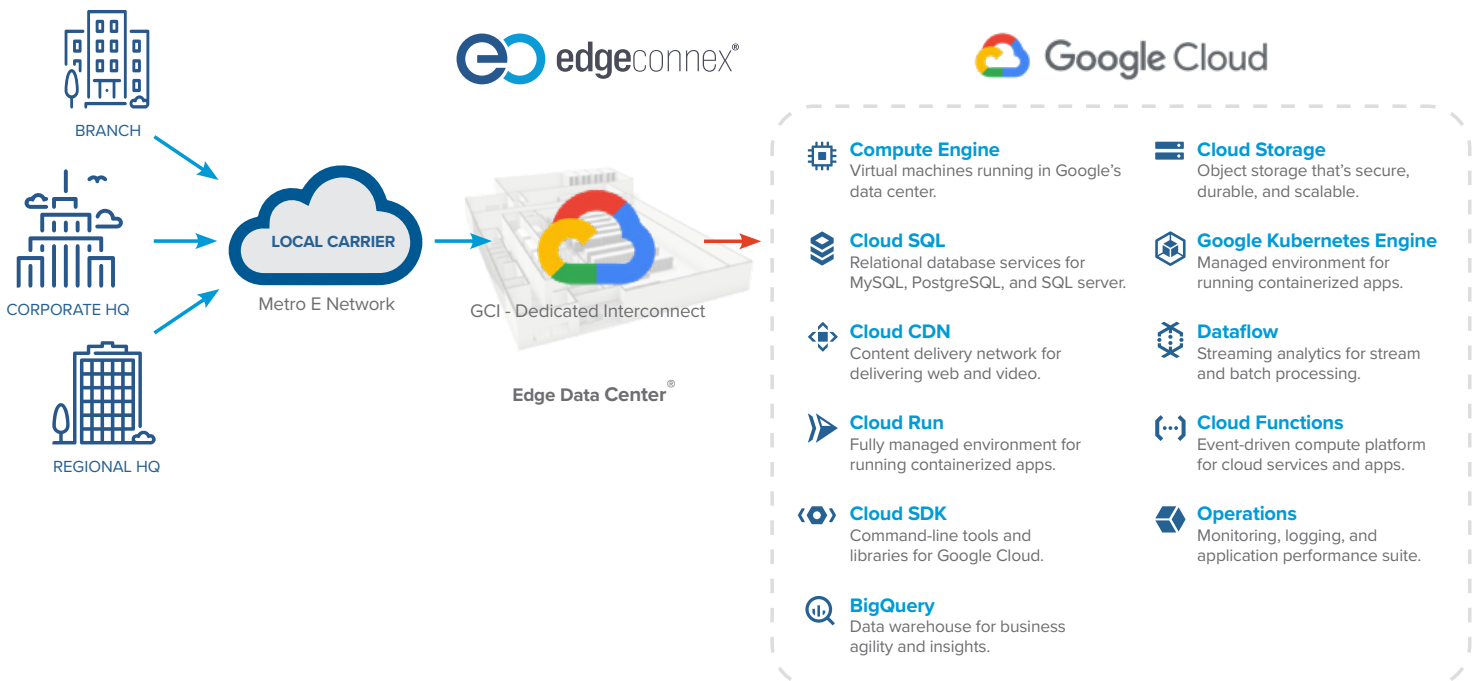
reliable, and more cost-effective data transfer than the public internet. Interconnect enables you to transfer large amounts of data between networks, which can be more cost effective than purchasing additional bandwidth over the public Internet.

Dedicated Interconnect delivers connections of 10 Gbps or 100 Gbps, with a maximum of eight 10 Gbps circuits linked together (80 Gbps max), or two 100 Gbps circuits (200 Gbps max) per connection.

## How Dedicated Interconnect works

For Dedicated Interconnect, customers provision a cross connect between the Google network and their own equipment or transport service within the EdgeConneX data center. This cross

connect is a Dedicated Interconnect connection to the Google Cloud Platform.



# Google Cloud Interconnect Availability



Google has partnered with EdgeConneX to offer private, secure access to Direct Interconnect locally in Portland, along with other virtual SDN enabled options in multiple Edge Data Centers across North America and Europe.

We've partnered with industry-leading SDN providers like Megaport, PacketFabric, Console Connect, NetFoundry, and others at these non-native on-ramp locations, bringing private cloud access solutions to the edge. These solutions leverage extensive software platforms to control an on-demand network infrastructure, supplying elastic bandwidth for virtual connections to Google Cloud Platform and enabling full automation and service flexibility.

## Service Benefits

### • Scalable Bandwidth

Scale to meet the most demanding data needs. Connection capacity is delivered over one or more 10 Gbps or 100 Gbps Ethernet circuits, with a maximum of 8 x 10 Gbps (80 Gbps) or 2 x 100 Gbps (200 Gbps) circuits for each Dedicated Interconnect connection.

### • Lower Cost

Egress traffic from your Google Virtual Private Cloud (VPC) networks through your interconnection connections is discounted compared to general network pricing for Google Cloud. This leads to significant cost benefits and lower TCO when transferring data to and from Google Cloud.

### • More Reliable, Better Performance

Traffic flows directly between your network and Google, not through the public internet. This offers consistent network performance and better reliability and is not subject to traffic throughput issues often experienced when using the public internet.

### • Improved Security

Direct Interconnect provides a direct connection between your internal network and the Google Cloud, completely bypassing the public internet. This keeps your network traffic isolated from potential threats and helps eliminate other security concerns.

## Key Benefits of SDN Partners

- Automatic on-demand provisioning
- Flexible service terms
- Full network management control to help align to the changing needs of your network

## How to Order GCI Direct Interconnect

Steps for connecting to Dedicated Interconnect from EdgeConneX Edge Data Centers®:

1. Reference [all necessary next steps](#) for creating a Dedicated Interconnect service from Google Cloud
2. Engage directly with EdgeConneX to deliver the LOA-CFAs and start a connection request to Google Cloud. Contact us at [cloudaccess@edgeconnex.com](mailto:cloudaccess@edgeconnex.com) for additional information.
3. After all physical connections are in place, test your virtual connections with the IP configuration information emailed by Google.
4. Create VLAN attachments and establish BGP sessions with the Google Cloud.

For additional information regarding Google Cloud Interconnect, [click here](#). For all other questions, contact us at [cloudaccess@edgeconnex.com](mailto:cloudaccess@edgeconnex.com).