Cloud VPN and other hybrid connectivity solutions

How to choose a hybrid connectivity solution

You can choose among three Google Cloud hybrid connectivity solutions that provide network connectivity between your peer (https://cloud.google.com/vpn/docs/concepts/overview#peer-definition) location and Google Cloud:

- Cloud VPN
- Dedicated Interconnect
- Partner Interconnect

To compare Cloud VPN to the other two hybrid solutions, see How to choose an Interconnect type (https://cloud.google.com/interconnect/docs/how-to/choose-type).

Supported VPN scenarios

Cloud VPN only supports site-to-site IPsec VPN connectivity, subject to certain requirements (https://cloud.google.com/vpn/docs/concepts/overview#specifications). It does not support client-to-gateway (road warrior) scenarios. In other words, Cloud VPN doesn't support use cases where client computers need to "dial in" to a VPN using client VPN software.

Cloud VPN only supports IPsec. Other VPN technologies (such as SSL VPN) are not supported.

What's next

More VPN concepts

For additional information on Cloud VPN concepts, use the navigation arrows at the bottom of the page to move to the next concept or use the following links:

- Learn about the basic concepts of Cloud VPN (https://cloud.google.com/vpn/docs/concepts/overview)
- Choose a VPC network type and routing option (https://cloud.google.com/vpn/docs/concepts/choosing-networks-routing)
- Learn about MTU considerations (https://cloud.google.com/vpn/docs/concepts/mtu-considerations)
- Learn about best practices for Cloud VPN (https://cloud.google.com/vpn/docs/resources/best-practices)

VPN related

- See Advanced Configurations (https://cloud.google.com/vpn/docs/concepts/advanced) for information on high-availability, high-throughput scenarios, or multiple subnet scenarios.
- Create a custom Virtual Private Cloud network (https://cloud.google.com/vpc/docs/using-vpc#create-custom-network)
- Set up different types of Cloud VPN (https://cloud.google.com/vpn/docs/how-to/choosing-a-vpn)
- Maintain VPN tunnels and gateways (https://cloud.google.com/vpn/docs/how-to/maintaining-vpns)
- View logs and monitoring metrics (https://cloud.google.com/vpn/docs/how-to/viewing-logs-metrics)
- Get troubleshooting help (https://cloud.google.com/vpn/docs/support/troubleshooting)

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Last updated December 4, 2019.