

GCP - Professional Cloud Network Engineer Exam Preparation important links

<https://cloud.google.com/access-transparency>

https://cloud.google.com/architecture/architecture-centralized-network-appliances-on-google-cloud?hl=en#choosing_a_high_availability_option

<https://cloud.google.com/architecture/best-practices-vpc-design#additional-tools>

<https://cloud.google.com/architecture/best-practices-vpc-design#custom-mode>

<https://cloud.google.com/architecture/best-practices-vpc-design#dynamic-routing>

<https://cloud.google.com/architecture/best-practices-vpc-design#isolate-vms-service-accounts>

<https://cloud.google.com/architecture/best-practices-vpc-design#17>

<https://cloud.google.com/architecture/best-practices-vpc-design#scale-hub-spoke>

<https://cloud.google.com/architecture/best-practices-vpc-design#shared-vpc>

[https://cloud.google.com/architecture/creating-kubernetes-engine-private-clusters-with-net-proxies#:~:text=To%20enable%20access%20to%20the%20controller%20from%20another%20VPC%20network%20or%20from%20on%2Dpremises%20connected%20through%20another%20VPC%20network%20peering%20\(such%20as%20in%20hub%2Dand%2Dspoke%20designs\)%2C%20create%20a%20proxy%20hosted%20in%20authorized%20IP%20address%20space%2C%20because%20VPC%20network%20peering%20is%20non%2Dtransitive.](https://cloud.google.com/architecture/creating-kubernetes-engine-private-clusters-with-net-proxies#:~:text=To%20enable%20access%20to%20the%20controller%20from%20another%20VPC%20network%20or%20from%20on%2Dpremises%20connected%20through%20another%20VPC%20network%20peering%20(such%20as%20in%20hub%2Dand%2Dspoke%20designs)%2C%20create%20a%20proxy%20hosted%20in%20authorized%20IP%20address%20space%2C%20because%20VPC%20network%20peering%20is%20non%2Dtransitive.)

https://cloud.google.com/architecture/dr-scenarios-for-applications#hot_ha_web_application

<https://cloud.google.com/armor/docs/best-practices#:~:text=We%20recommend%20keeping%20the%20sampling%20rate%20to%201%20when%20you%20are%20actively%20tuning%20and%20implementing%20Google%20Cloud%20Armor.>

<https://cloud.google.com/armor/docs/cloud-armor-overview>

<https://cloud.google.com/armor/docs/common-use-cases#block-traffic>

<https://cloud.google.com/armor/docs/configure-security-policies>

<https://cloud.google.com/armor/docs/configure-security-policies#creating-policy-rules>

<https://cloud.google.com/armor/docs/security-policy-overview>

<https://cloud.google.com/armor/docs/security-policy-overview#:~:text=When%20you%20use,Ingress%20controls.>

https://cloud.google.com/armor/docs/security-policy-overview#preview_mode

<https://cloud.google.com/armor/docs/troubleshooting>

<https://cloud.google.com/audit-logs>

<https://cloud.google.com/blog/products/identity-security/google-cloud-firewall-rules-logging-how-and-why-you-should-use-it>

<https://cloud.google.com/blog/products/networking/google-cloud-network-connectivity-options-explained>

<https://cloud.google.com/blog/products/networking/how-to-use-vpc-flow-logs-in-gcp-for-network-traffic-analysis#:~:text=Network%20traffic%20analysis%20is,BigQuery%20for%20further%20analysis.>

<https://cloud.google.com/blog/topics/developers-practitioners/limiting-public-ips-google-cloud#:~:text=To%20ensure%20that%20your%20VPN%20gateway%20is%20protected%2C%20use%20the%20org%20policy%20constraint%20named%20constraints/compute.restrictVpnP>

eerIPs.%20This%20constraint%20will%20limit%20the%20public%20IPs%20that%20are%20allowed%20to%20initiate%20IPSec%20sessions%20with%20your%20VPN%20gateway.

<https://cloud.google.com/cdn/docs/best-practices>

<https://cloud.google.com/cdn/docs/best-practices#versioned-urls>

<https://cloud.google.com/cdn/docs/caching#cacheability>

<https://cloud.google.com/cdn/docs/caching#preventing-caching>

<https://cloud.google.com/cdn/docs/ext-backend-internet-neg-overview>

<https://cloud.google.com/cdn/docs/invalidating-cached-content>

https://cloud.google.com/cdn/docs/invalidating-cached-content#invalidate_the_whole_directory

<https://cloud.google.com/cdn/docs/private-content>

<https://cloud.google.com/cdn/docs/setting-up-cdn-with-bucket>

<https://cloud.google.com/cdn/docs/setting-up-cdn-with-third-party-storage>

[https://cloud.google.com/cdn/docs/troubleshooting-steps#compression-not-working:~:text=HTTP%20proxies%20such%20as%20HTTP\(S\)%20Load%20Balancing%20add%20a%20Via%20header%20to%20each%20request%20as%20required%20by%20the%20HTTP%20specification.%20To%20enable%20compression%2C%20you%20may%20have%20to%20override%20your%20web%20server%27s%20default%20configuration%20to%20tell%20it%20to%20compress%20responses%20even%20if%20the%20request%20had%20a%20Via%20header.](https://cloud.google.com/cdn/docs/troubleshooting-steps#compression-not-working:~:text=HTTP%20proxies%20such%20as%20HTTP(S)%20Load%20Balancing%20add%20a%20Via%20header%20to%20each%20request%20as%20required%20by%20the%20HTTP%20specification.%20To%20enable%20compression%2C%20you%20may%20have%20to%20override%20your%20web%20server%27s%20default%20configuration%20to%20tell%20it%20to%20compress%20responses%20even%20if%20the%20request%20had%20a%20Via%20header.)

<https://cloud.google.com/cdn/docs/using-cdn>

<https://cloud.google.com/cdn/docs/using-signed-urls>

https://cloud.google.com/cdn/docs/using-signed-urls#configuring_signed_request_keys

<https://cloud.google.com/cdn/docs/using-ttl-overrides#default-ttl>

<https://cloud.google.com/compute/docs/access/iam#compute.networkAdmin>

<https://cloud.google.com/compute/docs/access/iam#compute.networkUser>

<https://cloud.google.com/compute/docs/access/iam#compute.securityAdmin>

<https://cloud.google.com/compute/docs/autoscaler/managing-autoscalers>

https://cloud.google.com/compute/docs/instance-groups/rolling-out-updates-to-managed-instance-groups#canary_updates

<https://cloud.google.com/compute/docs/instance-groups/stateful-migs>

<https://cloud.google.com/compute/docs/instances/access-overview>

https://cloud.google.com/compute/docs/internal-dns#access_by_internal_DNS

<https://cloud.google.com/compute/docs/ip-addresses/reserve-static-internal-ip-address>

<https://cloud.google.com/compute/docs/oslogin/set-up-oslogin>

<https://cloud.google.com/compute/docs/troubleshooting/troubleshoot-os-login>

<https://cloud.google.com/compute/docs/troubleshooting/troubleshooting-ssh#:~:text=SSH%20connections%20from%20the%20Cloud%20Console%20are%20refused%20if%20custom%20firewall%20rules%20do%20not%20allow%20connections%20from%20IAP%20or%20Google%27s%20IP%20address%20range>

<https://cloud.google.com/deployment-manager/docs>

https://cloud.google.com/deployment-manager/docs/best-practices#building_templates

<https://cloud.google.com/dns>

<https://cloud.google.com/dns/docs/best-practices>

https://cloud.google.com/dns/docs/best-practices#best_practices_for_private_zones

https://cloud.google.com/dns/docs/best-practices#choose_where_dns_resolution_is_performed

<https://cloud.google.com/dns/docs/best-practices#hybrid-architecture-using-hub-vpc-network-connected-to-spoke-vpc-networks>

https://cloud.google.com/dns/docs/best-practices#reference_architectures_for_hybrid_dns

https://cloud.google.com/dns/docs/best-practices#use_forwarding_zones_to_query_on-premises_servers

https://cloud.google.com/dns/docs/dns-overview#split_horizon_dns

<https://cloud.google.com/dns/docs/dnssec>

<https://cloud.google.com/dns/docs/migrating>

<https://cloud.google.com/dns/docs/overview>

https://cloud.google.com/dns/docs/overview#supported_dns_record_types

<https://cloud.google.com/dns/docs/policies#create-in>

<https://cloud.google.com/dns/docs/registrars#del-ds>

<https://cloud.google.com/dns/docs/server-policies-overview#dns-server-policy-in>

<https://cloud.google.com/dns/docs/troubleshooting>

https://cloud.google.com/dns/docs/zones/zones-overview#forwarding_zones

<https://cloud.google.com/dns/docs/zones#create-private-zone>

<https://cloud.google.com/iam/docs/granting-changing-revoking-access#access-control-via-console>

<https://cloud.google.com/iam/docs/granting-changing-revoking-access#granting-gcloud-manual>

<https://cloud.google.com/iam/docs/overview>

<https://cloud.google.com/iam/docs/service-accounts>

<https://cloud.google.com/iam/docs/understanding-custom-roles#:~:text=The%20resource%20manager.projects,will%20be%20displayed%3A>

<https://cloud.google.com/iam/docs/understanding-roles>

<https://cloud.google.com/iam/docs/understanding-roles#compute-engine-roles>

<https://cloud.google.com/iam/docs/understanding-roles#logging-roles>

<https://cloud.google.com/intrusion-detection-system/docs/overview>

<https://cloud.google.com/kms/docs/iam>

https://cloud.google.com/kubernetes-engine/docs/concepts/alias-ips#cluster_sizing_secondary_range_pods#:~:text=/22%0AOnly%20possible,440%20Pods

<https://cloud.google.com/kubernetes-engine/docs/how-to/alias-ips>

https://cloud.google.com/kubernetes-engine/docs/how-to/alias-ips#cluster_sizing

https://cloud.google.com/kubernetes-engine/docs/how-to/alias-ips#not_enough_space

<https://cloud.google.com/kubernetes-engine/docs/how-to/authorized-networks>

<https://cloud.google.com/kubernetes-engine/docs/how-to/authorized-networks#:~:text=Adding%20authorized%20networks,authorization%20mechanisms.>

<https://cloud.google.com/kubernetes-engine/docs/how-to/authorized-networks#add>

https://cloud.google.com/kubernetes-engine/docs/how-to/flexible-pod-cidr#cidr_ranges_for_clusters

<https://cloud.google.com/kubernetes-engine/docs/how-to/flexible-pod-cidr#restrictions>

<https://cloud.google.com/kubernetes-engine/docs/how-to/ingress-features>

<https://cloud.google.com/kubernetes-engine/docs/how-to/network-policy>

<https://cloud.google.com/kubernetes-engine/docs/how-to/private-clusters>

https://cloud.google.com/kubernetes-engine/docs/how-to/private-clusters#auto_subnet
<https://cloud.google.com/kubernetes-engine/docs/how-to/private-clusters#cp-on-prem-routing>
<https://cloud.google.com/kubernetes-engine/docs/how-to/routes-based-cluster>
<https://cloud.google.com/kubernetes-engine/docs/tutorials/network-policy>
<https://cloud.google.com/load-balancing/docs/backend-service#backends>
https://cloud.google.com/load-balancing/docs/backend-service#connection_balancing_mode
https://cloud.google.com/load-balancing/docs/backend-service#rate_balancing_mode
https://cloud.google.com/load-balancing/docs/backend-service#session_affinity
<https://cloud.google.com/load-balancing/docs/choosing-load-balancer>
https://cloud.google.com/load-balancing/docs/choosing-load-balancer#flow_chart
<https://cloud.google.com/load-balancing/docs/choosing-load-balancer#traffic-type>
<https://cloud.google.com/load-balancing/docs/enabling-connection-draining>
<https://cloud.google.com/load-balancing/docs/enabling-connection-draining#specifications>
<https://cloud.google.com/load-balancing/docs/features#backends>
https://cloud.google.com/load-balancing/docs/health-check-concepts#category_and_protocol
<https://cloud.google.com/load-balancing/docs/health-check-concepts#ip-ranges>
<https://cloud.google.com/load-balancing/docs/health-checks>

<https://cloud.google.com/load-balancing/docs/health-checks#:~:text=The%20following%20example%20creates%20an%20ingress%20firewall%20rule%20for%20Network,2600%3A1901%3A8001%3A%3A48>
<https://cloud.google.com/load-balancing/docs/https/setting-up-http-https-redirect>
<https://cloud.google.com/load-balancing/docs/https/setting-up-https#overview>
<https://cloud.google.com/load-balancing/docs/https#target-proxies>
[https://cloud.google.com/load-balancing/docs/l7-internal#:~:text=Application%20tier%3A%20The%20application%20tier%20is%20scaled%20by%20using%20a%20regional%20internal%20HTTP\(S\)%20load%20balancer.](https://cloud.google.com/load-balancing/docs/l7-internal#:~:text=Application%20tier%3A%20The%20application%20tier%20is%20scaled%20by%20using%20a%20regional%20internal%20HTTP(S)%20load%20balancer.)
<https://cloud.google.com/load-balancing/docs/negs/internet-neg-concepts>
<https://cloud.google.com/load-balancing/docs/negs/serverless-neg-concepts>
<https://cloud.google.com/load-balancing/docs/negs#neg-types>
<https://cloud.google.com/load-balancing/docs/network>
https://cloud.google.com/load-balancing/docs/network/networklb-backend-service#firewall_rules
[https://cloud.google.com/load-balancing/docs/network/networklb-target-pools#:~:text=If%20you%27re%20creating%20a%20new%20network%20load%20balancer%2C%20see%20Backend%20service%2Dbased%20network%20load%20balancers%20instead.%20Backend%20service%2Dbased%20network%20load%20balancers%20support%20IPv6%20traffic%2C%20multiple%20protocols%20\(%20TCP%2C%20UDP%2C%20ESP%2C%20GRE%2C%20ICMP%2C%20and%20ICMPv6%20\)%2C%20managed%20instance%20group%20backends](https://cloud.google.com/load-balancing/docs/network/networklb-target-pools#:~:text=If%20you%27re%20creating%20a%20new%20network%20load%20balancer%2C%20see%20Backend%20service%2Dbased%20network%20load%20balancers%20instead.%20Backend%20service%2Dbased%20network%20load%20balancers%20support%20IPv6%20traffic%2C%20multiple%20protocols%20(%20TCP%2C%20UDP%2C%20ESP%2C%20GRE%2C%20ICMP%2C%20and%20ICMPv6%20)%2C%20managed%20instance%20group%20backends)
https://cloud.google.com/load-balancing/docs/ssl-certificates?hl=en-AU&_ga=2.11557171.-60301140.1642855497#certificate-types
<https://cloud.google.com/load-balancing/docs/target-pools>
<https://cloud.google.com/load-balancing/docs/target-pools#sessionaffinity>
<https://cloud.google.com/load-balancing/docs/url-map>
<https://cloud.google.com/load-balancing/images/choose-lb.svg>
<https://cloud.google.com/logging/docs/view/available-logs>

<https://cloud.google.com/memorystore>
<https://cloud.google.com/monitoring/alerts>
<https://cloud.google.com/monitoring/support/notification-options>
<https://cloud.google.com/nat/docs/overview>

<https://cloud.google.com/nat/docs/overview#:~:text=Cloud%20NAT%20does%20not%20implement%20unsolicited%20inbound%20connections%20from%20the%20internet.%20DNAT%20is%20only%20performed%20for%20packets%20that%20arrive%20as%20responses%20to%20outbound%20packets>

<https://cloud.google.com/nat/docs/overview#specifications>

<https://cloud.google.com/nat/docs/ports-and-addresses>

<https://cloud.google.com/nat/docs/ports-and-addresses#:~:text=You%20can%20switch%20a%20Cloud%20NAT%20gateway%20from%20automatic%20NAT%20IP%20address%20allocation%20to%20manual%20NAT%20IP%20address%20assignment%3B%20however%2C%20the%20NAT%20IP%20addresses%20cannot%20be%20preserved>

<https://cloud.google.com/nat/docs/ports-and-addresses#port-reservation-examples>

<https://cloud.google.com/network-connectivity/docs/carrier-peering>

<https://cloud.google.com/network-connectivity/docs/direct-peering>

<https://cloud.google.com/network-connectivity/docs/how-to/choose-product>

<https://cloud.google.com/network-connectivity/docs/how-to/choose-product#cloud-interconnect>

<https://cloud.google.com/network-connectivity/docs/how-to/choose-product#compare-interconnect-solutions>

<https://cloud.google.com/network-connectivity/docs/how-to/choose-product#dp-compare>

<https://cloud.google.com/network-connectivity/docs/how-to/choose-product#google-cloud>

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/dedicated-overview>

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview>

<https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview#connectivity-type:~:text=For%20Layer%203%20connections%2C%20your%20service%20provider%20establishes%20a%20BGP%20session%20between%20your%20Cloud%20Routers%20and%20their%20on%2Dpremises%20routers%20for%20each%20VLAN%20attachment.%20You%20don%27t%20need%20to%20configure%20BGP%20on%20your%20local%20router.%20Google%20and%20your%20service%20provider%20automatically%20set%20the%20correct%20BGP%20configurations.>

https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview#provisioning_overview

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/creating-vlan-attachments>

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/creating-vlan-attachments#:~:text=To%20make%20use%20of%20the%201500%2Dbyte%20MTU%2C%20the%20VPC%20network%20using%20the%20attachment%20must%20have%20an%20MTU%20set%20to%201500>

https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/creating-vlan-attachments#utilizing_multiple_vlan_attachments

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/ordering-dedicated-interconnect>

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/dedicated/retrieving-loas>

https://cloud.google.com/network-connectivity/docs/interconnect/how-to/enabling-multiple-networks-access-same-attachment#using_with

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/monitoring>

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/partner/provisioning-overview>

<https://cloud.google.com/network-connectivity/docs/interconnect/how-to/restricting-usage>

<https://cloud.google.com/network-connectivity/docs/interconnect/quotas>

<https://cloud.google.com/network-connectivity/docs/interconnect/quotas#limits>

<https://cloud.google.com/network-connectivity/docs/interconnect/support/troubleshooting#cant-reach-vms-partner>

<https://cloud.google.com/network-connectivity/docs/interconnect/tutorials/dedicated-creating-9999-availability>

<https://cloud.google.com/network-connectivity/docs/interconnect/tutorials/dedicated-creating-9999-availability#requirements>

<https://cloud.google.com/network-connectivity/docs/interconnect/tutorials/partner-creating-9999-availability#:~:text=For%20Partner%20Interconnect%2C%20all%20Cloud%20Routers%20must%20have%20a%20local%20ASN%20of%2016550>

<https://cloud.google.com/network-connectivity/docs/router>

<https://cloud.google.com/network-connectivity/docs/router/concepts/overview>

https://cloud.google.com/network-connectivity/docs/router/concepts/overview#s_with_active_active_tunnels

<https://cloud.google.com/network-connectivity/docs/router/how-to/advertising-custom-ip#bgp-session>

<https://cloud.google.com/network-connectivity/docs/router/how-to/advertising-custom-ip#cloud-router>

<https://cloud.google.com/network-connectivity/docs/router/how-to/create-router-vpc-network>

<https://cloud.google.com/network-connectivity/docs/router/support/troubleshooting#ecmp>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/choosing-networks-routing#routing-options>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/choosing-networks-routing#ts-considerations>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/choosing-networks-routing#ts-tun-routing>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/classic-topologies#option-1>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/mtu-considerations>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/order-of-routes>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#:~:text=your%20overlay%20networks.,Network%20bandwidth,Monitoring%20metrics%20for%20Cloud%20VPN>

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#active>

https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#comparison_table

<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#specifications>
<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#vpn-org-policy>
<https://cloud.google.com/network-connectivity/docs/vpn/concepts/overview#vpn-types>
<https://cloud.google.com/network-connectivity/docs/vpn/concepts/topologies>
<https://cloud.google.com/network-connectivity/docs/vpn/concepts/topologies#:~:text=To%20guarantee%20a%2099.99%25%20availability%20SLA%20for%20HA%20VPN%20connections%2C%20properly%20configure%20two%20or%20four%20tunnels%20from%20your%20HA%20VPN%20gateway%20to%20your%20peer%20VPN%20gateway%20or%20to%20another%20HA%20VPN%20gateway.>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/checking-for-tunnel-overutilization>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/creating-static-vpns>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/creating-vpn-dynamic-routes>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/interop-guides>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/moving-to-ha-vpn>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/viewing-logs-metrics#exporting-logs>
<https://cloud.google.com/network-connectivity/docs/vpn/how-to/viewing-logs-metrics#vpn-monitoring-metrics>
<https://cloud.google.com/network-connectivity/docs/vpn/support/troubleshooting>

<https://cloud.google.com/network-connectivity/docs/vpn/support/troubleshooting#:~:text=If%20the%20VPN%20logs%20show,of%20ciphers%20must%20match%20exactly.&text=Make%20sure%20that%20you%20use,configure%20your%20peer%20VPN%20gateway>
https://cloud.google.com/network-connectivity/docs/vpn/support/troubleshooting#connectivity_works_for_some_vms_but_not_for_others
<https://cloud.google.com/network-intelligence-center/docs/connectivity-tests/concepts/overview>
<https://cloud.google.com/network-intelligence-center/docs/connectivity-tests/concepts/test-between-networks>
<https://cloud.google.com/network-intelligence-center/docs/firewall-insights/concepts/overview>
<https://cloud.google.com/network-intelligence-center/docs/firewall-insights/how-to/using-firewall-insights>
<https://cloud.google.com/network-intelligence-center/docs/network-topology/concepts/auditing-network-performance>
<https://cloud.google.com/network-intelligence-center/docs/network-topology/concepts/overview>
<https://cloud.google.com/network-intelligence-center/docs/network-topology/concepts/overview#connections>
<https://cloud.google.com/network-tiers/docs/overview>
<https://cloud.google.com/resource-manager/docs/cloud-platform-resource-hierarchy>
<https://cloud.google.com/run/docs/multiple-regions>
<https://cloud.google.com/sdk/gcloud/reference/compute/firewall-rules/create>
<https://cloud.google.com/sdk/gcloud/reference/compute/health-checks/create/http>
<https://cloud.google.com/sdk/gcloud/reference/compute/health-checks/create/https>
<https://cloud.google.com/sdk/gcloud/reference/compute/http-health-checks/create>
<https://cloud.google.com/sdk/gcloud/reference/compute/https-health-checks/create>

<https://cloud.google.com/sdk/gcloud/reference/compute/routes/create>
<https://cloud.google.com/sdk/gcloud/reference/compute/shared-vpc/associated-projects/add>
<https://cloud.google.com/sdk/gcloud/reference/compute/shared-vpc/enable>
<https://cloud.google.com/sdk/gcloud/reference/dns/record-sets/import>

<https://cloud.google.com/secret-manager/docs/creating-and-accessing-secrets>
<https://cloud.google.com/security-command-center>
https://cloud.google.com/solutions/best-practices-compute-engine-region-selection#distributed_frontend_in_multiple_regions_and_backend_in_a_single_region
<https://cloud.google.com/solutions/creating-kubernetes-engine-private-clusters-with-net-proxies>
[https://cloud.google.com/static/load-balancing/images/choose-lb.svg#:~:text=Choose%20external%20TCP/UDP%20network%20load%20balancing%20if%20you%20need%20to%20ensure%20that%20the%20load%20balancer%20is%20located%20in%20a%20particular%20region%2C%20or%20if%20you%20want%20to%20configure%20IPv6%20load%20balancing%20\(with%20dual%2Dstack%20backends\).%20The%20latter%20is%20only%20available%20for%20backend%20service%2Dbased%20network%20load%20balancers.](https://cloud.google.com/static/load-balancing/images/choose-lb.svg#:~:text=Choose%20external%20TCP/UDP%20network%20load%20balancing%20if%20you%20need%20to%20ensure%20that%20the%20load%20balancer%20is%20located%20in%20a%20particular%20region%2C%20or%20if%20you%20want%20to%20configure%20IPv6%20load%20balancing%20(with%20dual%2Dstack%20backends).%20The%20latter%20is%20only%20available%20for%20backend%20service%2Dbased%20network%20load%20balancers.)
https://cloud.google.com/storage/docs/access-control/iam-permissions#bucket_permissions
<https://cloud.google.com/storage/docs/gsutil/addlhelp/GlobalCommandLineOptions>
<https://cloud.google.com/storage/docs/gsutil/commands/cp>
<https://cloud.google.com/storage/docs/gsutil/commands/perfdiag>
https://cloud.google.com/vmware-engine/docs/networking/workload-internet-access#use_an_on-premises_connection_for_workload_internet_access
<https://cloud.google.com/vpc-service-controls>
<https://cloud.google.com/vpc-service-controls/docs/create-service-perimeters>
<https://cloud.google.com/vpc-service-controls/docs/dry-run-mode>
<https://cloud.google.com/vpc-service-controls/docs/dry-run-mode#:~:text=With%20dry%20run%20mode%2C%20you%20can%20better%20understand%20the%20impact%20of%20enabling%20VPC%20Service%20Controls%20and%20changes%20to%20perimeters%20in%20existing%20environments.>
<https://cloud.google.com/vpc-service-controls/docs/overview>
<https://cloud.google.com/vpc-service-controls/docs/set-up-private-connectivity>
<https://cloud.google.com/vpc-service-controls/docs/share-across-perimeters>
<https://cloud.google.com/vpc-service-controls/docs/supported-products>
<https://cloud.google.com/vpc-service-controls/docs/vpc-accessible-services>

<https://cloud.google.com/vpc/docs/alias-ip#:~:text=Google%20Cloud%20alias,IP%20ranges.>
<https://cloud.google.com/vpc/docs/configure-private-google-access-hybrid>
<https://cloud.google.com/vpc/docs/configure-private-google-access-hybrid#config-routing-on-prem>
<https://cloud.google.com/vpc/docs/configure-private-service-connect-apis#:~:text=It%20must%20be%20a%20valid%20IPv4%20address.%20It%20can%20be%20an%20RFC%201918%20address%20or%20a%20non%2DRFC%201918%20address.%20IPv6%20addresses%20are%20not%20supported%20for%20Private%20Service%20Connect.>
<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#:~:text=Caution%3A%20Expanding%20the%20primary%20IPv4%20range%20of%20a%20subnet%20cannot%20be%20undone.%20You%20cannot%20shrink%20the%20primary%20IPv4%20range%20of%20a%20subnet>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#:~:text=Important%3A%20You%20cannot%20convert%20a%20custom%20mode%20network%20to%20an%20auto%20mode%20network.%20Conversion%20from%20auto%20to%20custom%20mode%20is%20a%20one%2Dway%20process.%20Auto%20mode%20networks%20that%20have%20been%20converted%20to%20custom%20mode%20operate%20as%20if%20they%20had%20been%20created%20in%20custom%20mode>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#:~:text=When%20expanding%20the,automatically%20created%20subnets>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#create-auto-network>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#create-custom-network>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#expand-subnet>

<https://cloud.google.com/vpc/docs/create-modify-vpc-networks#subnet-rules>

<https://cloud.google.com/vpc/docs/create-use-multiple-interfaces>

<https://cloud.google.com/vpc/docs/create-use-multiple-interfaces#:~:text=Each%20interface%20is%20attached%20to%20a%20different%20VPC%20network%2C%20giving%20that%20instance%20access%20to%20different%20VPC%20networks%20in%20Google%20Cloud.%20You%20cannot%20attach%20multiple%20network%20interfaces%20to%20the%20same%20VPC%20network>

<https://cloud.google.com/vpc/docs/create-use-multiple-interfaces#:~:text=You%20can%20only%20configure%20a%20network%20interface%20when%20you%20create%20an%20instance>

<https://cloud.google.com/vpc/docs/create-use-multiple-interfaces#max-interfaces>

<https://cloud.google.com/vpc/docs/firewall-policies-overview>

https://cloud.google.com/vpc/docs/firewall-policies#:~:text=Hierarchical%20firewall%20policy%20rules%20have%20a%20new%20goto_next%20action%20that%20you%20can%20use%20to%20delegate%20connection%20evaluation%20to%20lower%20levels%20of%20the%20hierarchy.

<https://cloud.google.com/vpc/docs/firewall-rules-logging>

<https://cloud.google.com/vpc/docs/firewall-rules-logging#:~:text=Firewall%20Rules%20Logging%20only%20records%20TCP%20and%20UDP%20connections>

<https://cloud.google.com/vpc/docs/firewall-rules-logging#:~:text=Google%20Cloud%20firewall%20rules%20are%20stateful>

<https://cloud.google.com/vpc/docs/firewall-rules-logging#specifications>

<https://cloud.google.com/vpc/docs/firewalls>

https://cloud.google.com/vpc/docs/firewalls#ingress_cases

https://cloud.google.com/vpc/docs/firewalls#priority_order_for_firewall_rules

<https://cloud.google.com/vpc/docs/firewalls#service-accounts-vs-tags>

<https://cloud.google.com/vpc/docs/flow-logs>

https://cloud.google.com/vpc/docs/flow-logs#record_format

<https://cloud.google.com/vpc/docs/multiple-interfaces-concepts>

<https://cloud.google.com/vpc/docs/multiple-interfaces-concepts#config-appliances>

https://cloud.google.com/vpc/docs/multiple-interfaces-concepts#firewall_rules_and_multiple_network_interfaces

<https://cloud.google.com/vpc/docs/multiple-interfaces-concepts#overview>

<https://cloud.google.com/vpc/docs/multiple-interfaces-concepts#third-party>

<https://cloud.google.com/vpc/docs/private-access-options>

<https://cloud.google.com/vpc/docs/private-google-access>
<https://cloud.google.com/vpc/docs/private-google-access-hybrid>
<https://cloud.google.com/vpc/docs/private-google-access#pga-supported>
<https://cloud.google.com/vpc/docs/private-service-connect#benefits-apis>
<https://cloud.google.com/vpc/docs/private-services-access#private-services-supported-services>
<https://cloud.google.com/vpc/docs/provisioning-shared-vpc>
<https://cloud.google.com/vpc/docs/provisioning-shared-vpc#org-policies>
https://cloud.google.com/vpc/docs/provisioning-shared-vpc#setting_up
https://cloud.google.com/vpc/docs/quota#per_instance
<https://cloud.google.com/vpc/docs/routes>

<https://cloud.google.com/vpc/docs/routes#:~:text=When%20you%20add%20a%20subnet%20C%20Google%20Cloud%20creates%20a%20corresponding%20subnet%20route%20for%20the%20subnet%27s%20primary%20IP%20address%20range>
https://cloud.google.com/vpc/docs/routes#applicable_routes
<https://cloud.google.com/vpc/docs/routes#instanceroxing:~:text=Custom%20static%20routes%20can%20apply%20to%20all%20instances%20or%20specific%20instances.%20Static%20routes%20with%20a%20tag%20attribute%20apply%20to%20instances%20that%20have%20that%20same%20network%20tag.%20If%20the%20route%20doesn%27t%20have%20a%20network%20tag%20C%20the%20route%20applies%20to%20all%20instances%20in%20the%20network.>
<https://cloud.google.com/vpc/docs/routes#routeselection:~:text=Most%20specific%20destination,specific%20by%20definition.>
<https://cloud.google.com/vpc/docs/routes#routingpacketsinternet>
<https://cloud.google.com/vpc/docs/routes#static-route-next-hops>
https://cloud.google.com/vpc/docs/routes#types_of_routes
<https://cloud.google.com/vpc/docs/serverless-vpc-access>
https://cloud.google.com/vpc/docs/serverless-vpc-access#supported_services
<https://cloud.google.com/vpc/docs/shared-vpc>
https://cloud.google.com/vpc/docs/shared-vpc#net_and_security_admins
https://cloud.google.com/vpc/docs/using-firewall-rules-logging#all_firewall_logs
<https://cloud.google.com/vpc/docs/using-flow-logs>
<https://cloud.google.com/vpc/docs/using-flow-logs#enabling-vpc-flow-logs>
https://cloud.google.com/vpc/docs/using-flow-logs#some_flows_are_missing
<https://cloud.google.com/vpc/docs/using-vpc-peering>
<https://cloud.google.com/vpc/docs/using-vpc#switch-network-mode>
<https://cloud.google.com/vpc/docs/vpc-peering>

<https://cloud.google.com/vpc/docs/vpc-peering#:~:text=At%20the%20time%20of%20peering%20C%20Google%20Cloud%20checks%20to%20see%20if%20there%20are%20any%20subnets%20with%20overlapping%20IP%20ranges%20between%20the%20two%20VPC%20networks%20or%20any%20of%20their%20peered%20networks.%20If%20there%20is%20an%20overlap%20C%20peering%20is%20not%20established>
<https://cloud.google.com/vpc/docs/vpc-peering#:~:text=Only%20directly%20peered%20networks%20can%20communicate.%20Transitive%20peering%20is%20not%20supported>
https://cloud.google.com/vpc/docs/vpc-peering#benefits_of_exchanging_custom_routes:~:text=If%20you%20have%20a%20VPN%20tunnel%20or%20interconnect%20C%20you%20can

%20share%20custom%20routes%20so%20that%20peer%20networks%20can%20reach%20your%20on%2Dpremises%20network.%20For%20dynamic%20routes%2C%20you%20must%20add%20Cloud%20Router%20custom%20route%20advertisements%20in%20your%20VPC%20network%20to%20announce%20peered%20network%20subnets%20to%20your%20on%2Dpremises%20network.

https://cloud.google.com/vpc/docs/vpc-peering#key_properties

<https://cloud.google.com/vpc/docs/vpc-peering#networking-features-scenarios>

https://cloud.google.com/vpc/docs/vpc-peering#on-premises_access_from_peer_network

<https://cloud.google.com/vpc/docs/vpc-peering#restrictions>

https://cloud.google.com/vpc/docs/vpc#internet_access_reqs

<https://cloud.google.com/vpc/docs/vpc#ip-ranges>

<https://cloud.google.com/vpc/docs/vpc#mtu>

https://cloud.google.com/vpc/docs/vpc#reserved_ip_addresses_in_every_subnet

<https://cloud.google.com/vpc/docs/vpc#subnet-ranges>

https://cloud.google.com/vpc/docs/vpc#vms_and_mtu_settings

https://en.wikipedia.org/wiki/Maximum_transmission_unit

https://en.wikipedia.org/wiki/Self-signed_certificate

<https://kubernetes.io/docs/concepts/services-networking/network-policies/>

<https://support.google.com/elastifile-support/answer/9899169?hl=en>

https://www.aelius.com/njh/subnet_sheet.html

<https://www.youtube.com/watch?v=ICILmDLazH0>

<https://youtu.be/bmaarG0lkH8>