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Continued Learning Opportunities @ ROI

1. Full Course List
2. ROI YouTube Tutorials and Demos
3. LinkedIn Student Resource Group
4. ROI Training LinkedIn for News and Updates
5. Google Certification Paths

Check-in Link: https://roi-links.com/3YDOJsv

LABS (incognito): https://www.cloudskillsboost.google
*You must complete 1 LAB to get Course access for 2 years
* Ensure you access the labs via the classroom, so they get registered to the Course
Cloud Skills Boost will close labs at 11:00PM on the final day of training

Students can request Cloud Skills Boost On-Demand credits through this link:
https://docs.google.com/forms/d/1T6lBng3rkOtz5QQDklW0suwJ1J7YhkLO4xok9eXq_iI/viewform?edit_requested=true&edit_requested=true
Students can receive 50 On-Demand credits per training day. You will receive these credits within a week and they will expire in 30 days from the date the credits were issued

Google Cloud Skills Boost | Profile | Activities
https://www.cloudskillsboost.google/profile/activity
Past courses are at the end - way to access course materials

Additional LABS:
https://codelabs.developers.google.com/
- LAB instructions only

Google Cloud community tutorials
https://cloud.google.com/docs/tutorials

Google Quickstarts for resources have LAB steps

Skillsboost Hints:
Use your personal WiFi network and device.
* Clear cookies and caches of your browser.
* Log out from all the accounts before performing the lab.
* Open incognito mode browser and sign in with credentials used for lab.
* Do not change accounts while performing in the lab.
* Follow the instructions which are provided in the lab.
*"Check my progress" is not immediate. Wait for a bit, or check again later.
* No VPN!

Evaluation Link
https://cloudlx.sjc1.qualtrics.com/jfe/form/SV_e2wogp4l1a2ByZL?qualtricsID=747u04t303

Marked up Presentation Slides
https://drive.google.com/drive/folders/1T_qtPQNAk7a4nGA8sSwfUMddEPrUllmH

https://cloud.google.com/pricing

Cloud Solutions Architecture Reference
https://cloud.google.com/solutions/architecture

GCP Services Summary

https://cloud.google.com/terms/services
https://googlecloudcheatsheet.withgoogle.com/

Networking
https://www.submarinenetworks.com/en/nv/insights/complete-list-of-google-s-subsea-cable-investments

https://www.submarinecablemap.com/
- search for Curie

Measure latency to GCP regions
http://www.gcping.com/

make green choices with Google
https://cloud.google.com/blog/topics/sustainability/google-cloud-region-picker-helps-you-make-the-green-choice

https://cloud.google.com/blog/products/networking/understanding-google-cloud-network-edge-points

https://roi-links.com/vpc-concepts

https://www.certificationkits.com/cisco-ccna-subnet-calculator/

https://cloud.google.com/vpc/docs/subnets#restricted-ranges

https://itm.cloud.com/google-reports/

https://uptime.is/99.9

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

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

https://cloud.google.com/network-intelligence-center

https://cloud.google.com/network-intelligence-center/docs/firewall-insights/concepts/overview

https://cloud.google.com/vpc/docs/packet-mirroring

curl -H "Metadata-Flavor: Google" http://metadata/computeMetadata/v1/instance/network-interfaces/0/access-configs/0/external-ip

https://cloud.google.com/network-connectivity/docs/vpn/deprecations/classic-vpn-deprecation

https://cloud.google.com/blog/products/networking/using-ipv6-unique-local-addresses-or-ula-in-google-cloud

https://cloud.google.com/vpc/docs/subnets#ipv6-ranges

LAB: IP addressing options IPv4 and IPv6 https://codelabs.developers.google.com/codelabs/ipv4-ipv6-addressing#0

https://www.arin.net/

https://radar.qrator.net/as15169/prefixes

https://cloud.google.com/vpc/docs/bring-your-own-ip

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

DNS Propagation Checker
https://www.whatsmydns.net

https://cloud.google.com/dns/docs/policies-overview

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

https://cloud.google.com/vpc/docs/configure-private-services-access

https://cloud.google.com/sql/docs/mysql/configure-private-services-access

LAB: Private Service Connect for Google APIs
https://codelabs.developers.google.com/cloudnet-psc#0

?LAB: Private Service Connect - Using Consumer HTTP(S) Service Controls for Regional Google APIs
https://codelabs.developers.google.com/cloudnet-psc-consumer-https-sc#0

LAB: Using Private Service Connect to publish and consume services
https://codelabs.developers.google.com/cloudnet-psc-ilb#0

LAB: GSP1212 Integrate Private Service Connect with Service Directory
https://www.cloudskillsboost.google/focuses/92818?catalog_rank=%7B%22rank%22%3A1%2C%22num_filters%22%3A0%2C%22has_search%22%3Atrue%7D&parent=catalog&search_id=37769415

Three Private Service Connect patterns - Networking basics
https://cloud.google.com/blog/products/networking/three-consumer-private-service-connect-designs

LAB: Private Service Connect - Using Consumer HTTP(S) Service Controls for Global XLB to Managed Services
https://codelabs.developers.google.com/cloudnet-l7psc-xlb-gcp#0

LAB: Connect to on-prem services over Hybrid Networking using Private Service Connect and Hybrid NEG with Internal HTTP(s) load balancer
https://codelabs.developers.google.com/codelabs/psc-L7-ilb-onprem#0

https://cloud.google.com/vpc/docs/about-private-service-connect-interfaces

LAB: Private Service Connect Interface
https://codelabs.developers.google.com/codelabs/psc-interface#0

https://cloud.google.com/vpc/docs/about-service-connection-policies

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

https://cloud.google.com/nat/docs/private-nat

https://cloud.google.com/network-connectivity/docs/network-connectivity-center/concepts/overview

LAB: NCC Site to Cloud with SD-WAN Appliance
https://codelabs.developers.google.com/ncc-3pnva-site-to-cloud

https://cloud.google.com/architecture/hybrid-multicloud-secure-networking-patterns/gated-patterns

https://cloud.google.com/architecture/landing-zones

https://www.digitalattackmap.com/

https://thenewstack.io/google-cloud-stops-monster-ddos-attack/

https://cloud.google.com/blog/products/identity-security/how-google-cloud-blocked-largest-layer-7-ddos-attack-at-46-million-rps

Cloud CDN performance measured by Cedexis,
https://itm.cloud.com/google-reports/

https://cloud.google.com/blog/products/api-management/apigee-named-a-leader-in-the-2023-gartner-magic-quadrant/

https://cloud.google.com/blog/products/identity-security/announcing-new-cloud-armor-rate-limiting-adaptive-protection-and-bot-defense

https://cloud.google.com/armor/docs/waf-rules

https://www.reblaze.com/blog/google-cloud-armor-convert-full-web-security-solution/

https://cloud.google.com/iam/docs/policies

https://cloud.google.com/iam/docs/deny-overview

- predefined roles and their permissions
https://cloud.google.com/iam/docs/understanding-roles

- permissions and the predefined roles that grant them
https://cloud.google.com/iam/docs/permissions-reference

https://attack.mitre.org/

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

https://cloud.google.com/secure-web-proxy/docs/overview

*LAB GSP474: Google Cloud Packet Mirroring with OpenSource IDS

https://cloud.google.com/load-balancing/docs/negs/hybrid-neg-concepts

https://www.mirantis.com/blog/introduction-to-yaml-creating-a-kubernetes-deployment/

https://cloud.google.com/load-balancing/docs/url-map-concepts

https://cloud.google.com/load-balancing/docs/https/traffic-management

https://cloud.google.com/load-balancing/docs/internal/ilb-next-hop-overview

https://cloud.google.com/load-balancing/docs/internal#next-hops

https://peering.google.com/#/infrastructure

CDN caching servers up-to-date list
https://cloud.google.com/cdn/docs/locations

https://cloud.google.com/cdn/docs/overview

https://www.peeringdb.com/asn/15169
- internet exchanges (IXPs) and private facilities listed

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/cci-overview

https://cloud.google.com/network-connectivity/docs/interconnect/concepts/macsec-overview

https://cloud.google.com/network-connectivity/docs/vpn/deprecations/classic-vpn-deprecation

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

https://cloud.google.com/network-connectivity/docs/vpn/concepts/topologies

https://cloud.google.com/network-connectivity/docs/interconnect/concepts/ha-vpn-interconnect

https://cloud.google.com/community/tutorials/using-cloud-vpn-with-strongswan

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

https://cloud.google.com/network-connectivity/docs/vpn/concepts/advanced