GSP322 : Build and Secure Networks in Google Cloud: Challenge Lab

----------------------------------------------------------------------------------------------------------------------------------------------

Task 1 : Remove the overly permissive rules :-

gcloud compute firewall-rules delete open-access

----------------------------------------------------------------------------------------------------------------------------------------------

Task 2 : Start the bastion host instance :-

// Goto Compute Engine and start "Bastion" instance.

----------------------------------------------------------------------------------------------------------------------------------------------

Task 3 : Create a firewall rule that allows SSH (tcp/22) from the IAP service and add network tag on bastion :-

gcloud compute firewall-rules create ssh-ingress --allow=tcp:22 --source-ranges 35.235.240.0/20 --target-tags ssh-ingress --network acme-vpc

gcloud compute instances add-tags bastion --tags=ssh-ingress --zone=us-central1-b

----------------------------------------------------------------------------------------------------------------------------------------------

Task 4 : Create a firewall rule that allows traffic on HTTP (tcp/80) to any address and add network tag on juice-shop :-

gcloud compute firewall-rules create http-ingress --allow=tcp:80 --source-ranges 0.0.0.0/0 --target-tags http-ingress --network acme-vpc

gcloud compute instances add-tags juice-shop --tags=http-ingress --zone=us-central1-b

----------------------------------------------------------------------------------------------------------------------------------------------

Task 5 : Create a firewall rule that allows traffic on SSH (tcp/22) from acme-mgmt-subnet network address and add network tag on juice-shop :-

gcloud compute firewall-rules create internal-ssh-ingress --allow=tcp:22 --source-ranges 192.168.10.0/24 --target-tags internal-ssh-ingress --network acme-vpc

gcloud compute instances add-tags juice-shop --tags=internal-ssh-ingress --zone=us-central1-b

----------------------------------------------------------------------------------------------------------------------------------------------

Task 6 : SSH to bastion host via IAP and juice-shop via bastion :-

// In Compute Engine -> VM Instances page, click the SSH button for the bastion host. Then SSH to juice-shop by :-

ssh [Internal IP address of juice-shop]

© 2021 GitHub, Inc.