Course 4_Lab 4: Recover VMs with Google Backup and DR Service

Scenario:

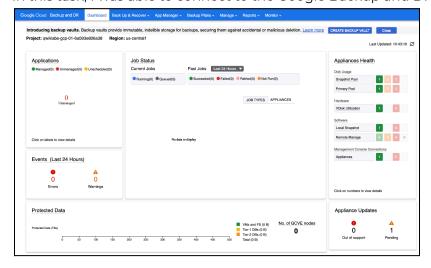
Cymbal Bank's Incident Response Team successfully responded to the security incident and contained the unauthorized access. Hannah and the rest of the Incident Response Team are working on implementing recovery actions to restore the affected virtual machines (VMs). You have been asked to assist with this.

Here's how you'll do this task: **First**, you'll connect to the Backup and DR management console. **Next**, you'll create and validate a backup plan template. **Then**, you'll discover and add a Compute Engine instance to the Backup and DR management console. **Finally**, you'll restore a Compute Engine instance in two different Google Cloud projects.

MY WORK:

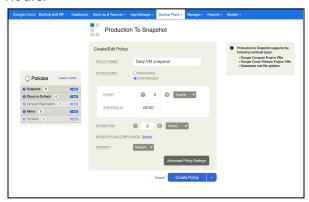
Task 1: Connect to the Backup and DR console

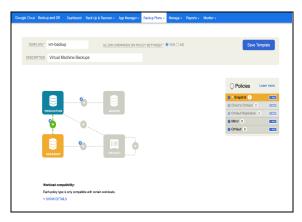
In this task, I was able to connect to the Google Backup and DR Management service.

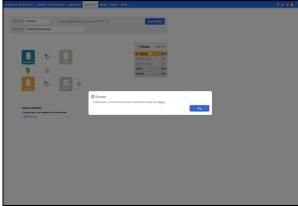


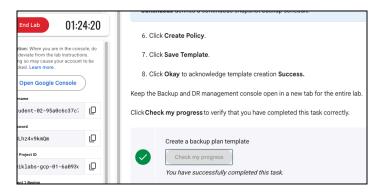
Task 2: Create a backup plan template

In this task, I was able to create a backup plan template that creates a snapshot every two hours.

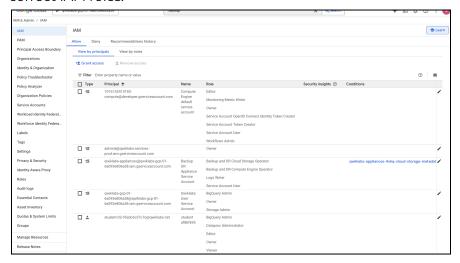






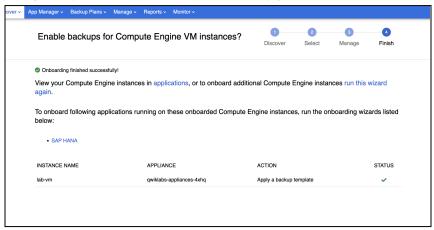


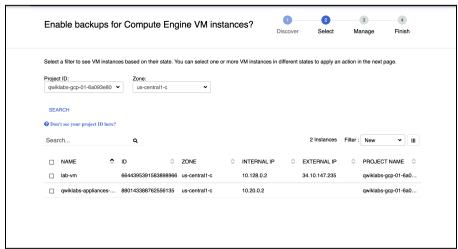
Task 3: Validate the backup and recovery appliance service account permissions In this task I reviewed the permissions of the backup/recovery appliance to verify it has the correct IAM roles.

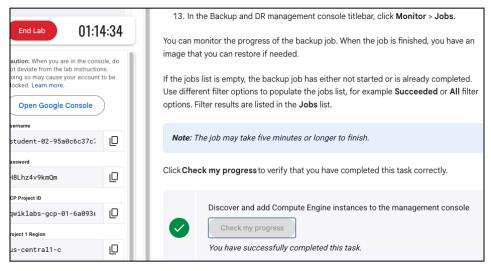


Task 4: Discover and add Compute Engine instances to the management console

In this task I was able to use the onboarding wizard to onboard a compute instance, attach a policy template, and monitor the backup job that was created.

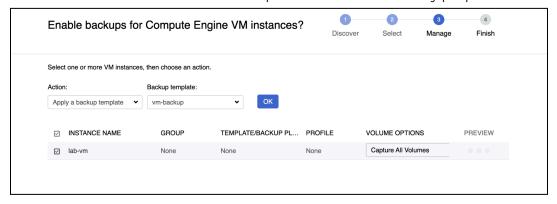


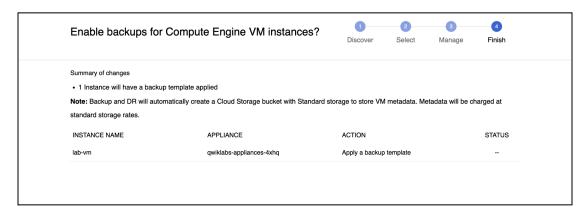


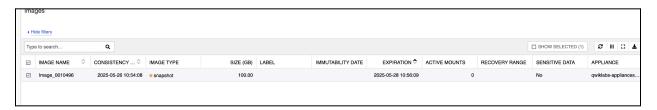


Task 5: Restore a Compute Engine instance

In this term I was able to restore a compute instance for recovery purposes.

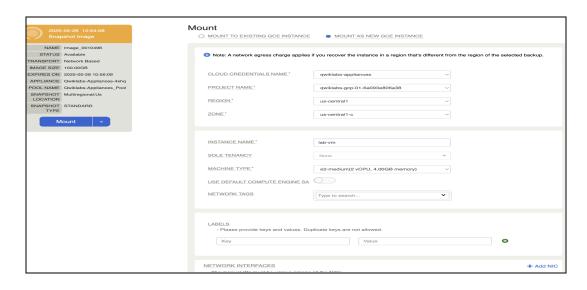


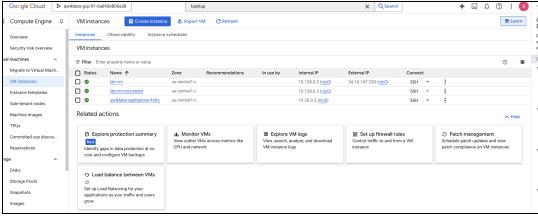


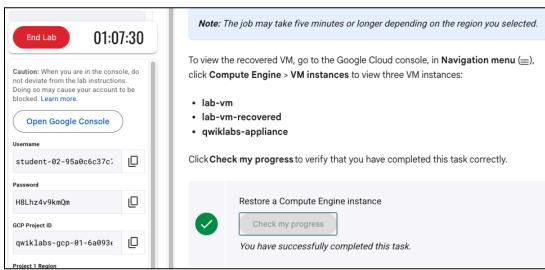






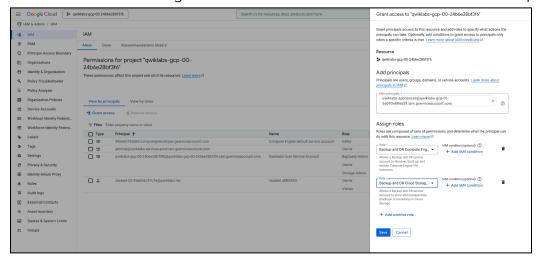




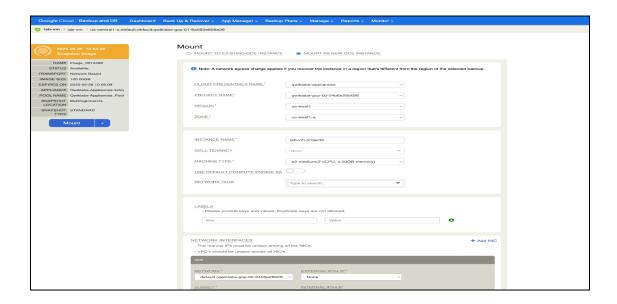


Task 6: Restore a Compute Engine instance to an alternate project

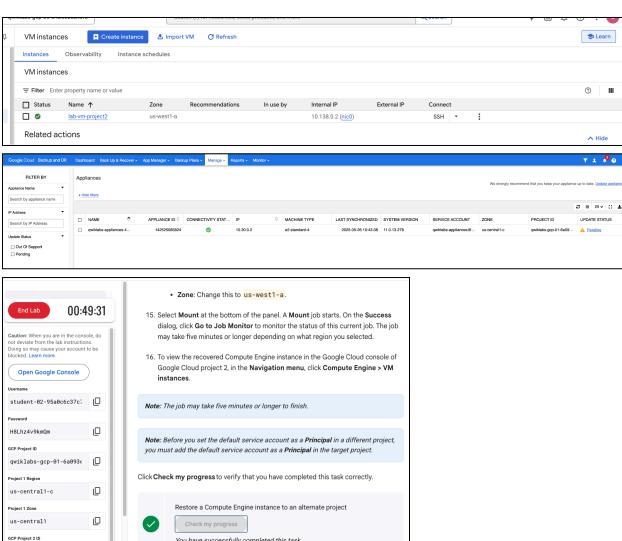
In this task I used IAM to grant access to a service account and add additional permissions.











My Assessment

In this lab I was able to recover VMs (virtual machines) using Google Backup and Disaster Recovery Service. While the steps were clear to complete the lab, there were a few steps that didn't match the instructions in a way that made the lab easy to understand and so additional review of the documentation is necessary.

You have successfully completed this task.