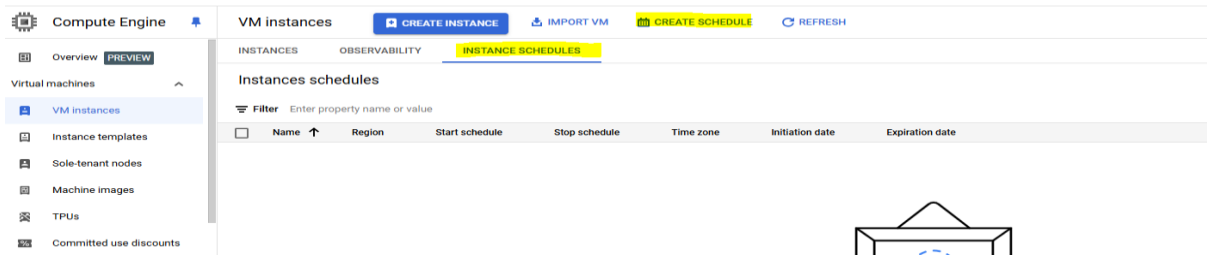


In this lab we will create a schedule to start and stop a Vm instance. This is a great cost saving method.

1) Go to VM Instance page>Instance schedules and click create schedule



2) Fille details like name, region (same as of VM), start and stop time, time zone and date

## Create a new schedule



Use CRON expression



Name \*

vmschedule



Name is permanent

Description



Region \*

us-central1 (Iowa)



Start time

08:30 PM

Stop time

06:00 PM

Time zone

India Standard Time (IST)



Initiate date

1/13/25, 12:00 AM

IST



If left empty, schedule will take effect immediately

End date

1/16/25, 12:00 AM

IST



If left empty, schedule will run indefinitely until it is deleted.

Frequency \*

Repeat daily



SUBMIT

CANCEL

3) Now go to the schedule just created and try adding vm to it

[←](#) Instance schedule details [DELETE](#)

✓ vmschedule

Description

Region

VM Start

VM Stop

Time zone

Initiation date

End date

us-central1

8:30PM, every day

6:00PM, every day

Asia/Calcutta

Jan 13, 2025, 12:00:00 AM UTC+05:30

Jan 16, 2025, 12:00:00 AM UTC+05:30

Attached instances

[ADD INSTANCES TO SCHEDULE](#)

[REMOVE INSTANCES FROM SCHEDULE](#)

☐

Name ↑

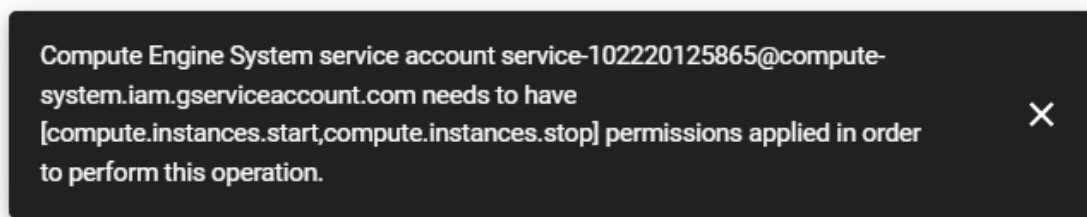
Zone

Creation time

Machine type

No rows to display

4) It should give an error like below



5) Now we need to provide IAM permissions to the instance to use the schedule. For that run below in the cli

```
gcloud projects add-iam-policy-binding REPLACE_WITH_PROJECT_ID \
--member "serviceAccount:service-xxxxxxx@compute-
system.iam.gserviceaccount.com" \
--role "roles/compute.instanceAdmin.v1"
```

Note:- update your project ID with <replace\_with\_project\_id> and <xxxxxxx> needs to be replaced with the compute engine system service account, which can be either copied from the error in previous step or from “API and identity management” page under instance

← myvm1

EDIT

RESET

CREATE MACHINE IMAGE

CREATE SIMILAR

START / RESUME

STOP

DETAILS

OBSERVABILITY

OS INFO

SCREENSHOT

### SSH Keys

SSH keys

Username	Key
lokeshdrall111	ecdsa-sha2-nistp256...
lokeshdrall111	ssh-rsa...

Block project-wide SSH keys Off

### API and identity management

Service account	102220125865-compute@developer.gserviceaccount.com
Cloud API access scopes	Allow default access

SHOW DETAILS

### Management

6) Open CLI and run above command

CLOUD SHELL

Terminal (lokeshp1) × + ▾

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to lokeshp1.
Use 'gcloud config set project [PROJECT ID]' to change to a different project.
lokeshdrall111@cloudshell:~ (lokeshp1) $ gcloud projects add-iam-policy-binding lokeshp1 \
--member "serviceAccount:service-102220125865@compute-system.iam.gserviceaccount.com" \
--role "roles/compute.instanceAdmin.v1"
```

7) Once command complete successfully, try adding the vm again to schedule

# Add instances to schedule

Only instances in the same region as the instance schedule are shown.

Filter

Sort

property name or value

<input checked="" type="checkbox"/>	Name <span>↑</span>	Zone	Creation time	Machine type	Labels
<input checked="" type="checkbox"/>	myvm1	us-central1-f	Jan 10, 2025, 8:22:55 AM UTC+05:30	e2-medium	

ADD

CANCEL

8) Now should be able to attach schedule to the VM