Create a vm Using GCP resource manager template (YAML)

Last updated by I shakibesaib | Sep 29, 2023 at 3:00 PM GMT+6

A basic configuration file might be enough for simple workloads but for more complex architectures or for configurations that you plan to reuse, you can break your configuration into templates.

A template is a separate file that is imported and used as a type in a configuration. You can use as many templates as you want in a configuration.

Templates allow you to separate your configuration out into different pieces that you can use and reuse across different deployments. Templates can be as generalized or specific as you need. With templates, you can also take advantage of features like template properties, environment variables, modules, and other template functionality to create dynamic configuration and template files.

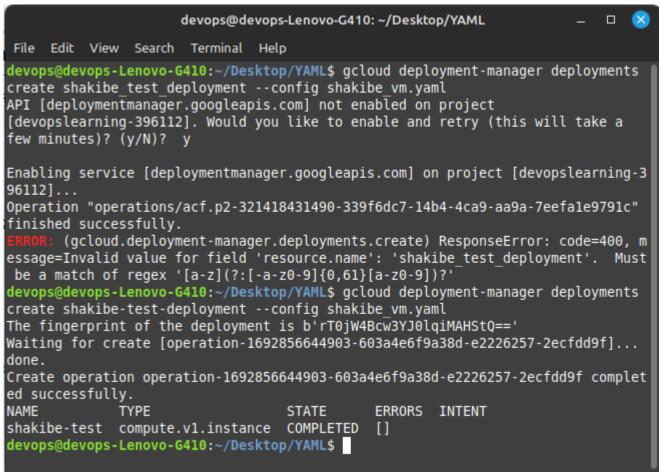
A configuration file defines all the Google Cloud resources that make up a deployment. You must have a configuration file to create a deployment. A configuration file must be written in YAML syntax.

1. Create a yaml file and configure your vm

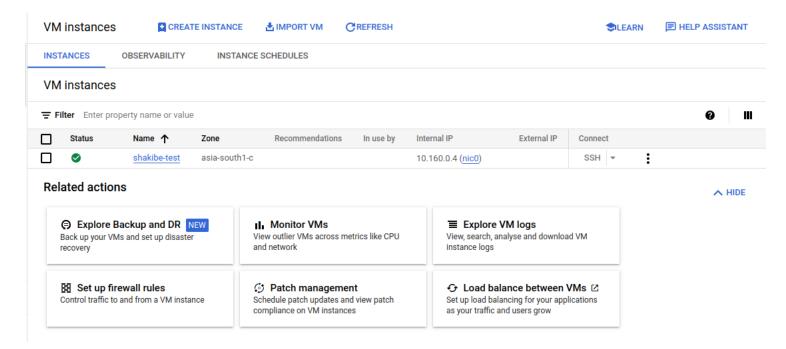
```
resources:
name: shakibe-test
 type: compute.v1.instance
 properties:
   zone: asia-south1-c
   machineType: zones/asia-south1-c/machineTypes/e2-micro
      - deviceName: boot
        type: PERSISTENT
        boot: true
        autoDelete: true
        initializeParams:
          diskSizeGb: 10
          sourceImage: projects/ubuntu-os-cloud/global/images/family/ubuntu-2004-lts
   networkInterfaces:
      - network: global/networks/default
```

2. Navigate to the directory where your YAML configuration file (shakibe test.yaml) is located. Deploy the configuration using gcloud deployment-manager

gcloud deployment-manager deployments create shakibe-test-deployment --config shakibe_vm.yaml



When naming deployment we need to follow the naming rules. First i used underscore thats why i got error, later changed it to hyphen, and it worked fine.



For more: https://cloud.google.com/deployment-manager/docs/configuration/create-basic-configuration