

Google Cloud Platform | qwiklabs-gcp-03-d051c8ae5989 | Search products and resources

Compute Engine | VM instances | CREATE INSTANCE | IMPORT VM | REFRESH | MANAGE ACCESS | SHOW INFO PANEL | LEARN

Filter VM instances | Columns

Name	Zone	Recommendation	In use by	Internal IP	External IP	Connect
vm-internal	us-central1-c			10.130.0.2 (nic0)	None	SSH

CLOUD SHELL | Terminal | (qwiklabs-gcp-03-d051c8ae5989) | Open Editor

```
+-----[SHA256]-----+

*Warning: Permanently added 'compute.6391663589265455747' (ECDSA) to the list of known hosts.
*Linux vm-internal 4.19.0-10-cloud-amd64 #1 SMP Debian 4.19.132-1 (2020-07-24) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Creating directory '/home/student-03-c57c51b63a17'.
student-03-c57c51b63a17@vm-internal:~$
student-03-c57c51b63a17@vm-internal:~$
student-03-c57c51b63a17@vm-internal:~$
student-03-c57c51b63a17@vm-internal:~$
student-03-c57c51b63a17@vm-internal:~$
student-03-c57c51b63a17@vm-internal:~$
```

console.cloud.google.com/networking/networks/list?project=qwiklabs-gcp-03-d051c8ae5989

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VPC network | VPC networks | CREATE VPC NETWORK | REFRESH

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```
^C
Command killed by keyboard interrupt

student-03-c57c51b63a17@vm-internal:~$ gcloud compute networks subnets update privatenet-us --region=us-central1 --enable-private-ip-google-access
^C
Command killed by keyboard interrupt

student-03-c57c51b63a17@vm-internal:~$ exit
logout
Connection to compute.6391663589265455747 closed.
student_03_c57c51b63a17@cloudshell:~ (qwiklabs-gcp-03-d051c8ae5989)$ gcloud compute networks subnets update privatenet-us \
> --region=us-central1 \
> --enable-private-ip-google-access
^C
Command killed by keyboard interrupt

student_03_c57c51b63a17@cloudshell:~ (qwiklabs-gcp-03-d051c8ae5989)$ gcloud compute networks subnets update privatenet-us --region=us-central1 --enable-private-ip-google-access
Updated [https://www.googleapis.com/compute/v1/projects/qwiklabs-gcp-03-d051c8ae5989/regions/us-central1/subnetworks/privatenet-us].
student_03_c57c51b63a17@cloudshell:~ (qwiklabs-gcp-03-d051c8ae5989)$
```

Create\_Vm\_Log.json | Show all | X

console.cloud.google.com/net-services/nat/details/us-central1/nat-router/nat-config?project=qwiklabs-gcp-03-d051c8ae5989&tab=details&duration=PT1H

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**Network services**

- Load balancing
- Cloud DNS
- Cloud CDN
- Cloud NAT**
- Traffic Director
- Service Directory

**NAT gateway details** | EDIT | DELETE

**nat-config**  
Status: Running

Details | Logs | Monitoring

**Cloud Router**

Region	us-central1
VPC network	privatenet
Cloud Router	nat-router

**NAT mapping**  
High availability: Yes

Source subnets & IP ranges	NAT IP addresses
All subnets' primary and secondary IP ranges	Auto-allocate

**Advanced configurations**

**CLOUD SHELL**  
Terminal | (qwiklabs-gcp-03-d051c8ae5989) | Open Editor

```
--tcp-established-idle-timeout |
--tcp-transitory-idle-timeout | --udp-idle-timeout

For detailed information on this command and its flags, run:
gcloud compute routers nats create --help
student_03_c57c51b63a17@cloudshell:~ (qwiklabs-gcp-03-d051c8ae5989) $ gcloud compute routers nats create nat-config2 --router=nat-router --auto-allocate-nat-external-ips --nat-custom-
subnet-ip-ranges=privatenet-us --region=us-central1
```

Create\_Vm\_Log.json | Show all