

GCP VM Creation

Prepared by Aswin.

Steps to Create a VM:

1. Navigate to :
<https://console.cloud.google.com/compute/instances?authuser=1&project=gcp-vm-task13&tab=instances>
2. Click Create Instance.
3. Under Machine configuration provide name, region and zone.
4. Under General Purpose select E2 series for lowest cost.
5. If you want to do any advanced configuration you can do that otherwise click create.

ACTIVITY

1. Once you start your VM, note the IP of your VM from cloud provider

Internal ip: 10.128.0.2

External ip: 35.208.134.19

2. Try pinging your VM from your Kali linux and take a screenshot:

```
(aswin@kalilinux)-[~]
$ ping 35.208.134.19
PING 35.208.134.19 (35.208.134.19) 56(84) bytes of data.
64 bytes from 35.208.134.19: icmp_seq=1 ttl=255 time=266 ms
64 bytes from 35.208.134.19: icmp_seq=2 ttl=255 time=260 ms
64 bytes from 35.208.134.19: icmp_seq=3 ttl=255 time=261 ms
64 bytes from 35.208.134.19: icmp_seq=4 ttl=255 time=259 ms
64 bytes from 35.208.134.19: icmp_seq=5 ttl=255 time=261 ms
64 bytes from 35.208.134.19: icmp_seq=6 ttl=255 time=267 ms
^C
— 35.208.134.19 ping statistics —
6 packets transmitted, 6 received, 0% packet loss, time 5168ms
rtt min/avg/max/mdev = 259.238/262.481/267.428/2.940 ms
```

3. Login to your VM via SSH, run the ip a command and take a screenshot of the result:

```
aswinsuresh487@task-13:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc mq state UP group default qlen 1000
    link/ether 42:01:0a:80:00:02 brd ff:ff:ff:ff:ff:ff
    inet 10.128.0.2/32 metric 100 scope global dynamic ens4
        valid_lft 3434sec preferred_lft 3434sec
    inet6 fe80::4001:aff:fe80:2/64 scope link proto kernel_ll
        valid_lft forever preferred_lft forever
aswinsuresh487@task-13:~$
```

4. Find your public IP and try pinging your public IP from cloud VM:

```
aswinsuresh487@task-13:~$ ping 10.128.0.2
PING 10.128.0.2 (10.128.0.2) 56(84) bytes of data.
64 bytes from 10.128.0.2: icmp_seq=1 ttl=64 time=0.054 ms
64 bytes from 10.128.0.2: icmp_seq=2 ttl=64 time=0.050 ms
64 bytes from 10.128.0.2: icmp_seq=3 ttl=64 time=0.044 ms
64 bytes from 10.128.0.2: icmp_seq=4 ttl=64 time=0.050 ms
64 bytes from 10.128.0.2: icmp_seq=5 ttl=64 time=0.054 ms
^C
=== 10.128.0.2 ping statistics ===
```