



SEP 720 – Cloud Computing : Assignment 1

Google Bucket and VM

Submitted by,

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Creating bucket in Google cloud platform

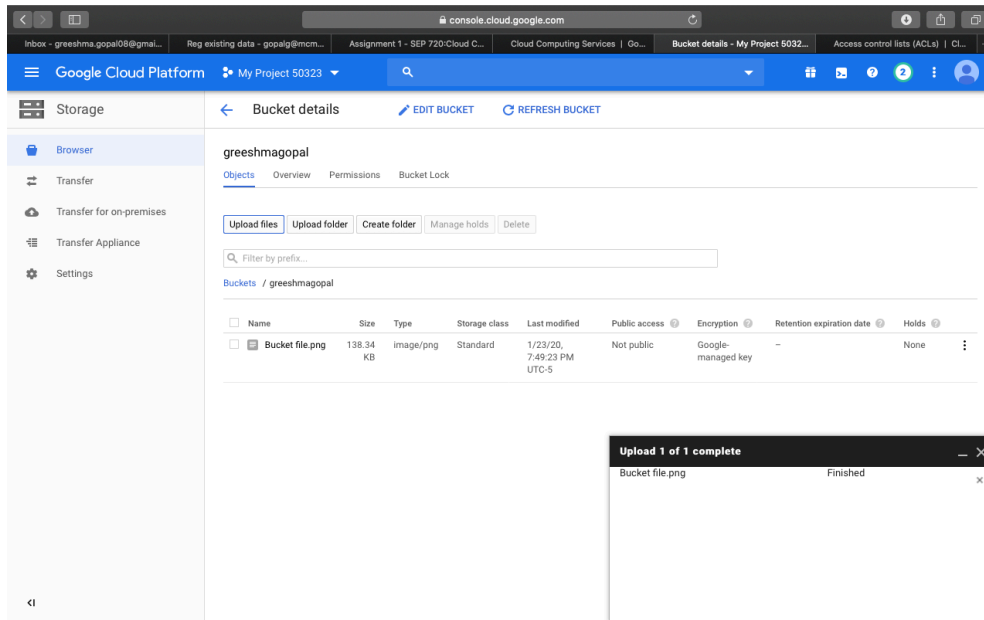
Google cloud bucket is a web service which allows storing the data which can be files, folders or any objects. It also allows fine grained access control of the files and helps the admin to provide access to specific Users .

- For creating a bucket click on 'Create bucket'. Post this, several parameters are chosen
- Location type was selected as zone with location as asia-south1-c
- Storage class was chosen as standard
- Fine grained access control was chosen which would help in a better access control

The screenshot displays the Google Cloud Platform 'Create a bucket' wizard. The interface is divided into three main sections:

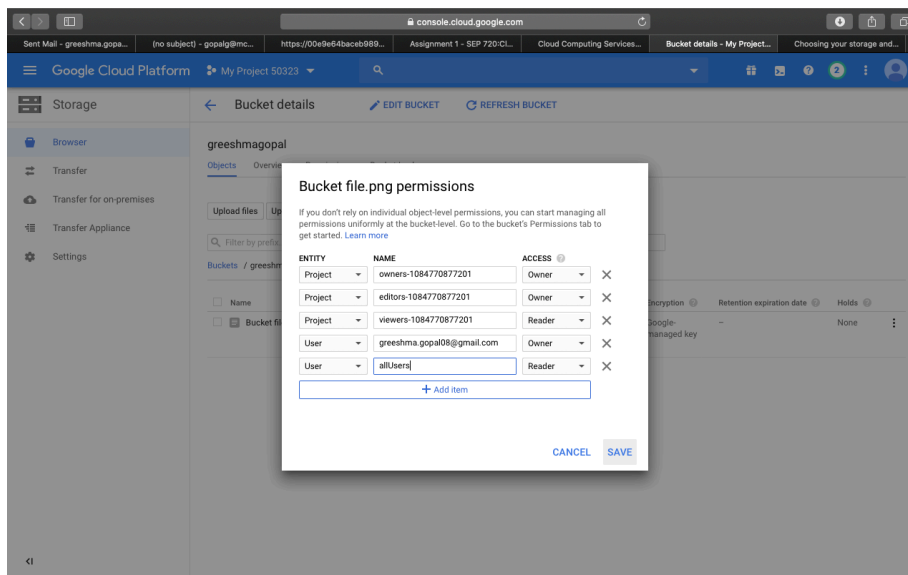
- Left Sidebar:** Contains navigation links for 'Storage', 'Browser', 'Transfer', 'Transfer for on-premises', 'Transfer Appliance', and 'Settings'.
- Central Panel: 'Create a bucket'**
 - Name your bucket:** A text input field contains 'greeshmagopal'. A tip below reads: 'Tip: Don't include any sensitive information'. A 'CONTINUE' button is visible.
 - Choose where to store your data:** (Step indicator)
 - Choose a default storage class for your data:** (Step indicator)
 - Choose how to control access to objects:** (Step indicator)
 - Advanced settings (optional):**
 - Encryption:** Two radio buttons are present: 'Google-managed key' (selected, with subtext 'No configuration required') and 'Customer-managed key' (with subtext 'Manage via Google Cloud Key Management Service').
 - Retention policy:** A section header with a subtext: 'Set a retention policy to specify the minimum duration that this bucket's objects'.
- Right Panel: 'Monthly cost estimate'**
 - Introductory text: 'Enter values below to check this bucket's monthly cost. For guidance only. [Pricing details](#)'.
 - Storage and retrieval:**
 - Storage size:** Input field set to 'GB', with a price of '\$0.023 per GB-month'.
 - Data retrieval size:** Input field set to 'GB', with a price of 'Free'.
 - Operations:**
 - Class A operations:** Input field set to 'per-month', with a price of '\$0.005 per 1,000 ops'.
 - Class B operations:** Input field set to 'per-month', with a price of '\$0.0004 per 1,000 ops'.
 - Availability SLA:** 99.9%
 - Monthly cost:** \$0.00
 - Currency:** US Dollar (\$)

- Add files to the bucket by clicking on upload. Folders can be uploaded as well.



- Give permission to the files. 'allUsers' were given the access to the file. Below is the URL of the file which was uploaded (Screenshot of the bucket was uploaded)

<https://storage.cloud.google.com/greeshmagopal/Bucket%20file.png>



- Activating the cloud shell in the console by running the command <gcloud auth list>

```
(crack-map-265614) x + v
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to crack-map-265614.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
greeshma_gopal08@cloudshell:~ (crack-map-265614)$ gcloud auth list
Credentialed Accounts
ACTIVE ACCOUNT
* greeshma.gopal08@gmail.com

To set the active account, run:
$ gcloud config set account 'ACCOUNT'

greeshma_gopal08@cloudshell:~ (crack-map-265614)$
```

- Run the command <gcloud config list project> to get the projectID.

```
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
greeshma_gopal08@cloudshell:~ (crack-map-265614)$ gcloud auth list
Credentialed Accounts
ACTIVE ACCOUNT
* greeshma.gopal08@gmail.com

To set the active account, run:
$ gcloud config set account 'ACCOUNT'

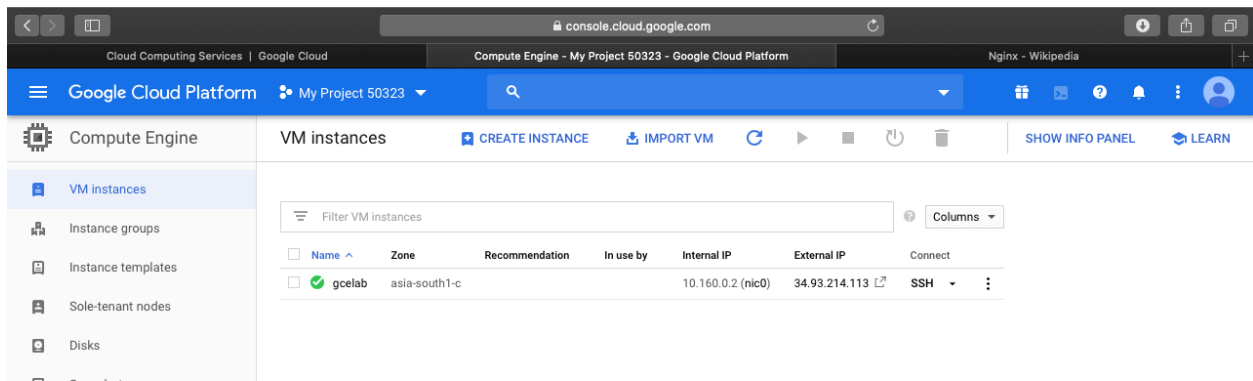
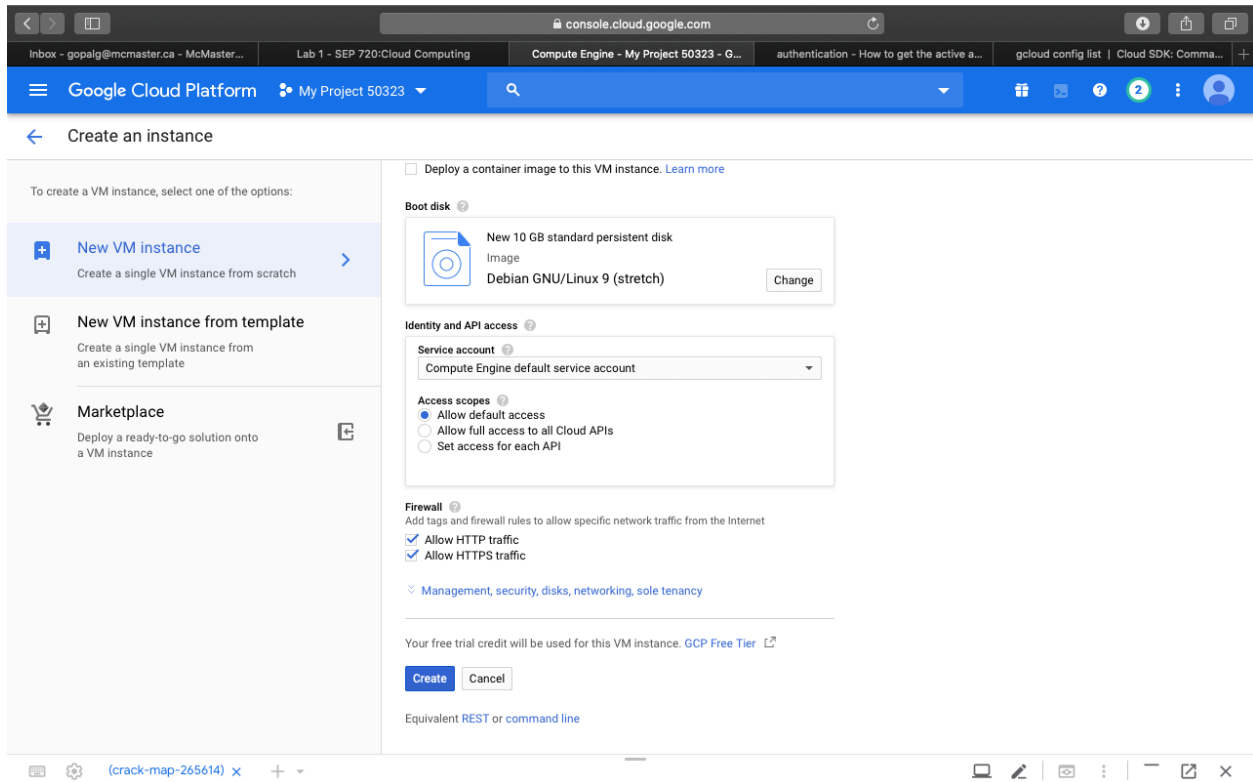
greeshma_gopal08@cloudshell:~ (crack-map-265614)$ gcloud config list project
[core]
project = crack-map-265614

Your active configuration is: [cloudshell-4656]
greeshma_gopal08@cloudshell:~ (crack-map-265614)$
```

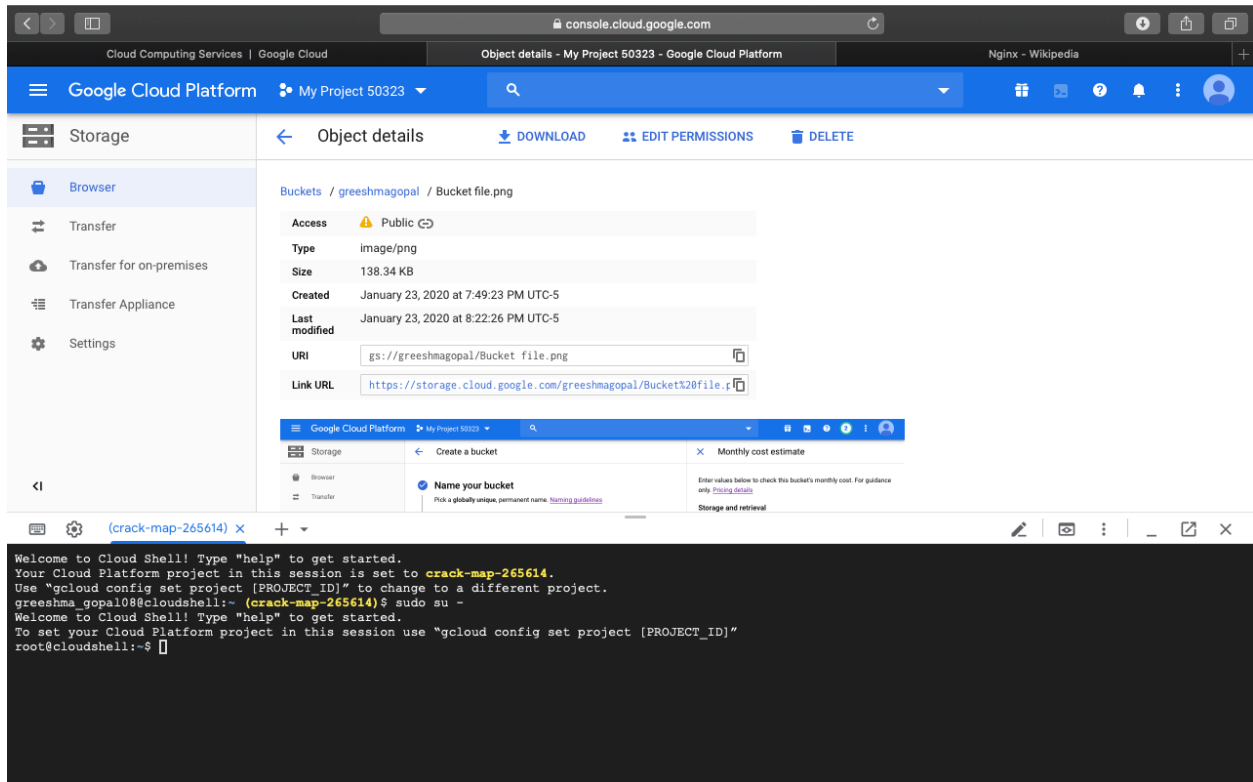
Creating the VM

Virtual machines are something which allows us to run an operating system in an app window on a desktop that acts like a separate computer. It allows us to use different operating systems and also helps in running software which the primary operating system cannot do.

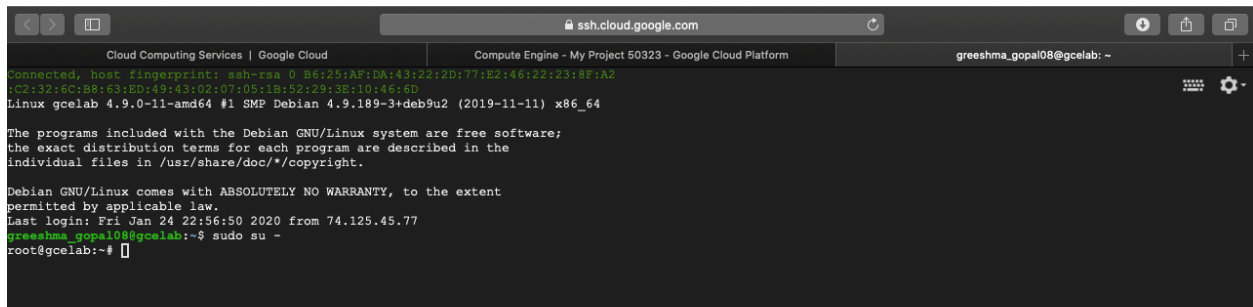
- Creating the new virtual machine(Menu>Compute engine>VM Instances) by giving parameters such as region, zone, boot disk and machine type. The firewall was checked for HTTP and HTTPS traffic.



- Activating the gcloud shell to work on commands



- Accessing root in sudo using the command



- Updating the OS using the command <apt-get update>

```
ssh.cloud.google.com
Cloud Computing Services | Google Cloud
Compute Engine - My Project 50323 - Google Cloud Platform
greeshma_gopal08@gcelab: ~

Connected, host fingerprint: ssh-rsa 0 86:25:AF:DA:43:22:2D:77:E2:46:22:23:8F:A2
:02:32:6C:B8:63:ED:49:43:02:07:05:1B:52:29:3E:10:46:6D
Linux gcelab 4.9.0-11-amd64 #1 SMP Debian 4.9.189-3+deb9u2 (2019-11-11) 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.
Last login: Fri Jan 24 22:56:50 2020 from 74.125.45.77
greeshma_gopal08@gcelab:~$ sudo su -
root@gcelab:~# apt-get update
Hit:1 http://security.debian.org stretch/updates InRelease
Get:2 http://packages.cloud.google.com/apt cloud-sdk-stretch InRelease [6,377 B]
Ign:3 http://deb.debian.org/debian stretch InRelease
Get:4 http://deb.debian.org/debian stretch-updates InRelease [91.0 kB]
Hit:5 http://packages.cloud.google.com/apt google-cloud-engine-stretch-stable InRelease
Hit:6 http://packages.cloud.google.com/apt google-cloud-packages-archive-keyring-stretch InRelease
Get:7 http://deb.debian.org/debian stretch-backports InRelease [91.8 kB]
Hit:8 http://deb.debian.org/debian stretch Release
Fetched 189 kB in 0s (215 kB/s)
Reading package lists... Done
root@gcelab:~#
```

NGINX installation

NGINX is a web server which also acts as a load balancer. The features of NGINX include security, high availability and scalability.

- Installing NGINX using the command `<apt-get install nginx -y>`. Post installation, verifying if the NGINX is running fine using the command `<ps auxx | grep nginx>`

```
ssh.cloud.google.com
Cloud Computing Services | Google Cloud
Compute Engine - My Project 50323 - Google Cloud Platform
greeshma_gopal08@gcelab: ~

Selecting previously unselected package xml-core.
Preparing to unpack .../33-xml-core_0.17_all.deb ...
Unpacking xml-core (0.17) ...
Setting up libjpeg62-turbo:amd64 (1:1.5.1-2) ...
Setting up geoip-database (20170512-1) ...
Setting up libjbig0:amd64 (2.1-3.1+b2) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up nginx-common (1.10.3-1+deb9u3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service -> /lib/systemd/system/nginx.service.
Setting up libnginx-mod-http-sub-filter (1.10.3-1+deb9u3) ...
Setting up libtiff5:amd64 (4.0.8-2+deb9u4) ...
Setting up sgml-base (1.29) ...
Setting up libgeoip1:amd64 (1.6.9-4) ...
Setting up libicu57:amd64 (57.1-6+deb9u3) ...
Setting up libxml2:amd64 (2.9.4+dfsg1-2.2+deb9u2) ...
Setting up libxslt1.1:amd64 (1.1.29-2.1+deb9u1) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
Processing triggers for systemd (232-25+deb9u2) ...
Setting up libnginx-mod-http-auth-pam (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-dav-ext (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-mail (1.10.3-1+deb9u3) ...
Processing triggers for man-db (2.7.6.1-2) ...
Setting up libnginx-mod-http-xslt-filter (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-upstream-fair (1.10.3-1+deb9u3) ...
Setting up libxsimd6:amd64 (1:1.1.2-3) ...
Setting up xml-core (0.17) ...
Setting up libnginx-mod-http-geoip (1.10.3-1+deb9u3) ...
Setting up libx11-data (2:1.6.4-3+deb9u1) ...
Setting up libxau6:amd64 (1:1.0.8-1) ...
Setting up libwebp6:amd64 (0.5.2-1) ...
Setting up fontconfig-config (2.11.0-6.7) ...
Setting up libnginx-mod-stream (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-echo (1.10.3-1+deb9u3) ...
Setting up libxch1:amd64 (1.12-1) ...
Setting up libfontconfig1:amd64 (2.11.0-6.7+b1) ...
Setting up libx11-6:amd64 (2:1.6.4-3+deb9u1) ...
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up libgd3:amd64 (2.2.4-2+deb9u5) ...
Setting up libnginx-mod-http-image-filter (1.10.3-1+deb9u3) ...
Setting up nginx-full (1.10.3-1+deb9u3) ...
Setting up nginx (1.10.3-1+deb9u3) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
root@gcelab:~# ps auxx | grep nginx
root   14010  0.0  0.0 159540 1620 ?        Ss   23:17   0:00 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
www-data 14011  0.0  0.0 159872 3304 ?        S    23:17   0:00 nginx: worker process
www-data 14012  0.0  0.0 159872 3304 ?        S    23:17   0:00 nginx: worker process
root    14021  0.0  0.0 12780   968 pts/0    S+   23:17   0:00 grep nginx
root@gcelab:~#
```

- Click on the external IP to see the default web page of nginx



Creation of the second VM(gcelab2) using commands in the google cloud shell

- Run the command `<gcloud compute instances create gcelab2 --machine-type n1-standard-2 --zone asia-south1-c>` to create a new VM **gcelab2**

The screenshot shows the Google Cloud Platform console. The left sidebar lists navigation options: VM instances, Instance groups, Instance templates, Sole-tenant nodes, Disks, Snapshots, and Images. The main panel displays the 'VM instances' table with columns: Name, Zone, Recommendation, In use by, Internal IP, External IP, and Connect. Two instances are listed: 'gcelab' and 'gcelab2'. Below the table, a terminal window shows the command `gcloud compute instances create gcelab2 --machine-type n1-standard-2 --zone asia-south1-c` being executed, with the output showing the instance is now in a 'RUNNING' state.

Name	Zone	Recommendation	In use by	Internal IP	External IP	Connect
gcelab	asia-south1-c			10.160.0.2 (nic0)	34.93.214.113	SSH
gcelab2	asia-south1-c			10.160.0.3 (nic0)	35.244.22.99	SSH

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to crack-map-265614.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
greeshma_gopal08@cloudshell:~ (crack-map-265614)$ gcloud compute instances create gcelab2 --machine-type n1-standard-2 --zone asia-south1-c
Created [https://www.googleapis.com/compute/v1/projects/crack-map-265614/zones/asia-south1-c/instances/gcelab2].
NAME      ZONE      MACHINE TYPE  PREEMPTIBLE  INTERNAL IP  EXTERNAL IP  STATUS
gcelab2   asia-south1-c  n1-standard-2      10.160.0.3   35.244.22.99  RUNNING
greeshma_gopal08@cloudshell:~ (crack-map-265614)$
```

- Add SSH to the instance by running the code `<gcloud compute ssh gcelab2 --zone asia-south1-c>`


```
(crack-map-265614) X +
Your Cloud Platform project in this session is set to crack-map-265614.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
greeshma_gopal08@cloudshell:~ (crack-map-265614) $ gcloud compute instances create gcelab2 --machine-type n1-standard-2 --zone asia-south1-c
Created [https://www.googleapis.com/compute/v1/projects/crack-map-265614/zones/asia-south1-c/instances/gcelab2].
NAME      ZONE      MACHINE TYPE  PREEMPTIBLE  INTERNAL IP  EXTERNAL IP  STATUS
gcelab2   asia-south1-c  n1-standard-2    10.160.0.3   35.244.22.99  RUNNING
greeshma_gopal08@cloudshell:~ (crack-map-265614) $ gcloud compute ssh gcelab2 --zone asia-south1-c
WARNING: The public SSH key file for gcloud does not exist.
WARNING: The private SSH key file for gcloud does not exist.
WARNING: You do not have an SSH key for gcloud.
WARNING: SSH keygen will be executed to generate a key.
This tool needs to create the directory [/home/greeshma_gopal08/.ssh]
before being able to generate SSH keys.

Do you want to continue (Y/n)?
```

- Type 'Y' to continue. Press enter twice and exit the shell.

```
Created [https://www.googleapis.com/compute/v1/projects/crack-map-265614/zones/asia-south1-c/instances/gcelab2].
NAME      ZONE      MACHINE TYPE  PREEMPTIBLE  INTERNAL IP  EXTERNAL IP  STATUS
gcelab2   asia-south1-c  n1-standard-2    10.160.0.3   35.244.22.99  RUNNING
greeshma_gopal08@cloudshell:~ (crack-map-265614) $ gcloud compute ssh gcelab2 --zone asia-south1-c
WARNING: The public SSH key file for gcloud does not exist.
WARNING: The private SSH key file for gcloud does not exist.
WARNING: You do not have an SSH key for gcloud.
WARNING: SSH keygen will be executed to generate a key.
This tool needs to create the directory [/home/greeshma_gopal08/.ssh]
before being able to generate SSH keys.

Do you want to continue (Y/n)? Y

Generating public/private rsa key pair.
Enter passphrase (empty for no passphrase):
```

Additionally I have installed nginx in the second VM gcelab2 as well.

```
ssh.cloud.google.com
Cloud Computing Services | Google Cloud
Compute Engine - My Project 50323 - Google Cloud Pl...
greeshma_gopal08@gcelab: ~
greeshma_gopal08@gcelab2: ~

ID6:01186:6736:CE:IA3:AF:62:6C:F5:AA:9A:17:5C:13E:DA:D7
Linux gcelab2 4.9.0-11-amd64 #1 SMP Debian 4.9.189-3+deb9u2 (2019-11-11) 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.
greeshma_gopal08@gcelab2:~$ sudo su -
root@gcelab2:~# apt-get update
Ign:1 http://deb.debian.org/debian stretch InRelease
Get:2 http://security.debian.org stretch/updates InRelease [94.3 kB]
Get:3 http://packages.cloud.google.com/apt cloud-sdk-stretch InRelease [6,377 B]
Get:4 http://deb.debian.org/debian stretch-updates InRelease [91.0 kB]
Get:5 http://packages.cloud.google.com/apt google-compute-engine-stretch-stable InRelease [3,843 B]
Get:6 http://deb.debian.org/debian stretch-backports InRelease [91.8 kB]
Hit:7 http://deb.debian.org/debian stretch Release
Get:8 http://security.debian.org stretch/updates/main Sources [206 kB]
Hit:9 http://packages.cloud.google.com/apt cloud-sdk-stretch InRelease
Get:10 http://packages.cloud.google.com/apt cloud-sdk-stretch/main amd64 Packages [87.2 kB]
Get:11 http://packages.cloud.google.com/apt google-compute-engine-stretch-stable/main amd64 Packages [1,317 B]
Get:12 http://security.debian.org stretch/updates/main amd64 Packages [516 kB]
Get:13 http://security.debian.org stretch/updates/main Translation-en [227 kB]
Get:14 http://deb.debian.org/debian stretch-backports/main Sources.diff/Index [27.8 kB]
Get:15 http://deb.debian.org/debian stretch-backports/main amd64 Packages.diff/Index [27.8 kB]
Get:17 http://deb.debian.org/debian stretch-backports/main Translation-en.diff/Index [27.8 kB]
Get:18 http://deb.debian.org/debian stretch-backports/main Sources 2019-12-12-0813.08.pdiff [31 B]
Get:19 http://deb.debian.org/debian stretch-backports/main Sources 2019-12-13-1416.17.pdiff [236 B]
Get:20 http://deb.debian.org/debian stretch-backports/main Sources 2019-12-28-2016.34.pdiff [1,326 B]
Get:21 http://deb.debian.org/debian stretch-backports/main Sources 2019-12-29-0216.57.pdiff [31 B]
Get:22 http://deb.debian.org/debian stretch-backports/main Sources 2020-01-12-1410.57.pdiff [544 B]
Get:23 http://deb.debian.org/debian stretch-backports/main Sources 2020-01-16-0821.17.pdiff [236 B]
Get:24 http://deb.debian.org/debian stretch-backports/main Sources 2020-01-18-2019.06.pdiff [710 B]
Get:25 http://deb.debian.org/debian stretch-backports/main Sources 2020-01-21-1413.42.pdiff [236 B]
Get:26 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2019-12-13-1416.17.pdiff [219 B]
Get:27 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2019-12-28-2016.34.pdiff [549 B]
Get:25 http://deb.debian.org/debian stretch-backports/main Sources 2020-01-21-1413.42.pdiff [236 B]
Get:28 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2019-12-29-0216.57.pdiff [208 B]
Get:29 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2020-01-12-1410.57.pdiff [335 B]
Get:30 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2020-01-16-0821.17.pdiff [219 B]
Get:31 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2020-01-18-2019.06.pdiff [543 B]
Get:32 http://deb.debian.org/debian stretch-backports/main amd64 Packages 2020-01-21-1413.42.pdiff [200 B]
Get:33 http://deb.debian.org/debian stretch-backports/main Translation-en 2020-01-18-2019.06.pdiff [228 B]
Get:33 http://deb.debian.org/debian stretch-backports/main Translation-en 2020-01-18-2019.06.pdiff [228 B]
Fetched 1,414 kB in 1s (1,138 kB/s)
Reading package lists... Done
root@gcelab2:~#
```

```
ssh.cloud.google.com
Cloud Computing Services | Google Cloud
Compute Engine - My Project 50323 - Google Cloud Pl...
greeshma_gopal08@gcelab: ~
greeshma_gopal08@gcelab2: ~

Preparing to unpack .../31-nginx-full-1.10.3-1+deb9u3_amd64.deb ...
Unpacking nginx-full (1.10.3-1+deb9u3) ...
Selecting previously unselected package nginx.
Preparing to unpack .../32-nginx-1.10.3-1+deb9u3_all.deb ...
Unpacking nginx (1.10.3-1+deb9u3) ...
Selecting previously unselected package xml-core.
Preparing to unpack .../33-xml-core-0.17_all.deb ...
Unpacking xml-core (0.17) ...
Setting up libjpeg62-turbo:amd64 (1:1.5.1-2) ...
Setting up geoip-database (20170512-1) ...
Setting up libjbig0:amd64 (2.1-3.1+b2) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up nginx-common (1.10.3-1+deb9u3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.service.
Setting up libnginx-mod-http-sub-filter (1.10.3-1+deb9u3) ...
Setting up liblua5.2-0:amd64 (5.2.4-2+deb9u4) ...
Setting up sgml-base (1.29) ...
Setting up libgeoip1:amd64 (1.6.9-4) ...
Setting up libicu57:amd64 (57.1-6+deb9u3) ...
Setting up libxml2:amd64 (2.9.4+dfsg1-2.2+deb9u2) ...
Setting up libxslt1.1:amd64 (1.1.29-2.1+deb9u1) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
Processing triggers for systemd (232-25+deb9u2) ...
Setting up libnginx-mod-http-auth-pam (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-dav-ext (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-mail (1.10.3-1+deb9u3) ...
Processing triggers for man-db (2.7.6.1-2) ...
Setting up libnginx-mod-http-xslt-filter (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-upstream-fair (1.10.3-1+deb9u3) ...
Setting up libxmdcp6:amd64 (1:1.1.2-3) ...
Setting up xml-core (0.17) ...
Setting up libnginx-mod-http-geoip (1.10.3-1+deb9u3) ...
Setting up libx11-data (2:1.6.4-3+deb9u1) ...
Setting up libxau6:amd64 (1:1.0.8-1) ...
Setting up libwebp6:amd64 (0.5.2-1) ...
Setting up fontconfig-config (2.11.0-6.7) ...
Setting up libnginx-mod-stream (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-echo (1.10.3-1+deb9u3) ...
Setting up libxch1:amd64 (1.12-1) ...
Setting up libfontconfig1:amd64 (2:11.0-6.7+b1) ...
Setting up libx11-6:amd64 (2:1.6.4-3+deb9u1) ...
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up libgd3:amd64 (2.2.4-2+deb9u5) ...
Setting up libnginx-mod-http-image-filter (1.10.3-1+deb9u3) ...
Setting up nginx-full (1.10.3-1+deb9u3) ...
Setting up nginx (1.10.3-1+deb9u3) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
Processing triggers for sgml-base (1.29) ...
root@gcelab2:~#
```

- Verifying if nginx is running in the second VM gcelab2 which was created using cloud shell.

```
ssh.cloud.google.com
Cloud Computing Services | Google Cloud
Compute Engine - My Project 50323 - Google Cloud Pl...
greeshma_gopal08@gcelab: ~
greeshma_gopal08@gcelab2: ~

Selecting previously unselected package xml-core.
Preparing to unpack .../33-xml-core-0.17_all.deb ...
Unpacking xml-core (0.17) ...
Setting up libjpeg62-turbo:amd64 (1:1.5.1-2) ...
Setting up geoip-database (20170512-1) ...
Setting up libjbig0:amd64 (2.1-3.1+b2) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up nginx-common (1.10.3-1+deb9u3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.service.
Setting up libnginx-mod-http-sub-filter (1.10.3-1+deb9u3) ...
Setting up liblua5.2-0:amd64 (5.2.4-2+deb9u4) ...
Setting up sgml-base (1.29) ...
Setting up libgeoip1:amd64 (1.6.9-4) ...
Setting up libicu57:amd64 (57.1-6+deb9u3) ...
Setting up libxml2:amd64 (2.9.4+dfsg1-2.2+deb9u2) ...
Setting up libxslt1.1:amd64 (1.1.29-2.1+deb9u1) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
Processing triggers for systemd (232-25+deb9u2) ...
Setting up libnginx-mod-http-auth-pam (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-dav-ext (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-mail (1.10.3-1+deb9u3) ...
Processing triggers for man-db (2.7.6.1-2) ...
Setting up libnginx-mod-http-xslt-filter (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-upstream-fair (1.10.3-1+deb9u3) ...
Setting up libxmdcp6:amd64 (1:1.1.2-3) ...
Setting up xml-core (0.17) ...
Setting up libnginx-mod-http-geoip (1.10.3-1+deb9u3) ...
Setting up libx11-data (2:1.6.4-3+deb9u1) ...
Setting up libxau6:amd64 (1:1.0.8-1) ...
Setting up libwebp6:amd64 (0.5.2-1) ...
Setting up fontconfig-config (2.11.0-6.7) ...
Setting up libnginx-mod-stream (1.10.3-1+deb9u3) ...
Setting up libnginx-mod-http-echo (1.10.3-1+deb9u3) ...
Setting up libxch1:amd64 (1.12-1) ...
Setting up libfontconfig1:amd64 (2:11.0-6.7+b1) ...
Setting up libx11-6:amd64 (2:1.6.4-3+deb9u1) ...
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up libgd3:amd64 (2.2.4-2+deb9u5) ...
Setting up libnginx-mod-http-image-filter (1.10.3-1+deb9u3) ...
Setting up nginx-full (1.10.3-1+deb9u3) ...
Setting up nginx (1.10.3-1+deb9u3) ...
Processing triggers for libc-bin (2.24-11+deb9u4) ...
Processing triggers for sgml-base (1.29) ...
root@gcelab2:~# ps auxx | grep nginx
root      2224  0.0  0.0 159540 1624 ?        Ss   23:32   0:00 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
www-data  2225  0.0  0.0 159872 3140 ?        S    23:32   0:00 nginx: worker process
www-data  2226  0.0  0.0 159872 3140 ?        S    23:32   0:00 nginx: worker process
root      2249  0.0  0.0 12780   948 pts/0    S+   23:33   0:00 grep nginx
root@gcelab2:~#
```