Nalongsone Danddank Student ID: 14958950 StarID: jf3893pd

Email: nalongsone.danddank@my.metrostate.edu\

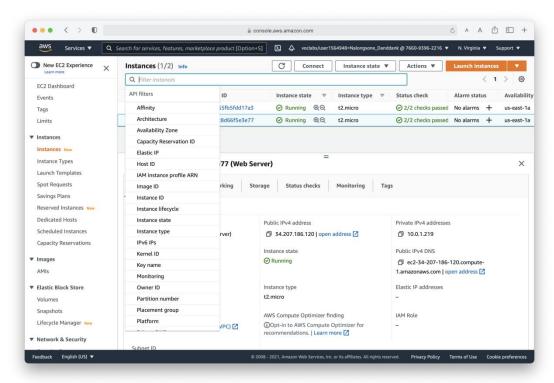
ICS 432 - 01 — Distributed and Cloud Computing Fall 2021

Lab #2: Virtual Machines

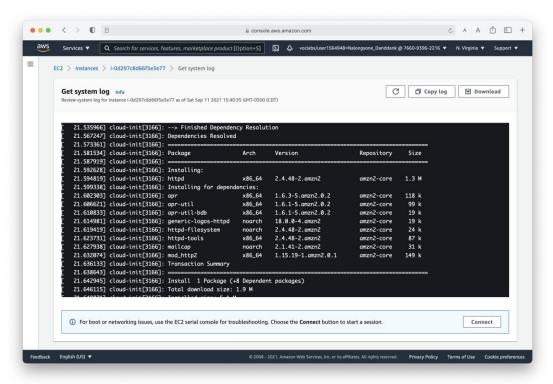
Part 1: AWS.

Exercise 1: Virtual Machines in AWS: EC2.

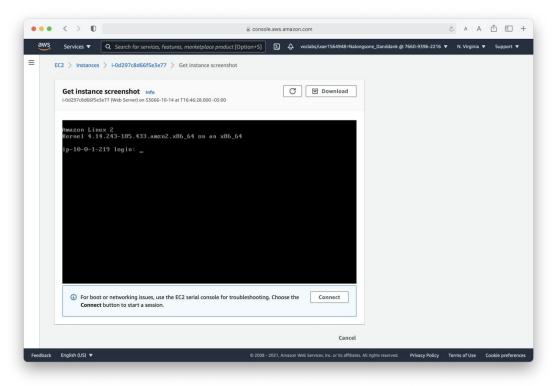
Lab report screen-shot #1:



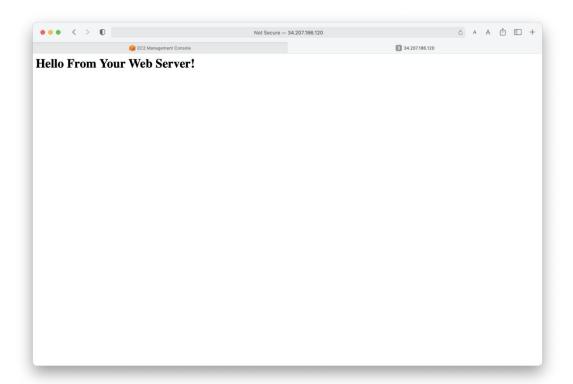
Lab report screen-shot #2:



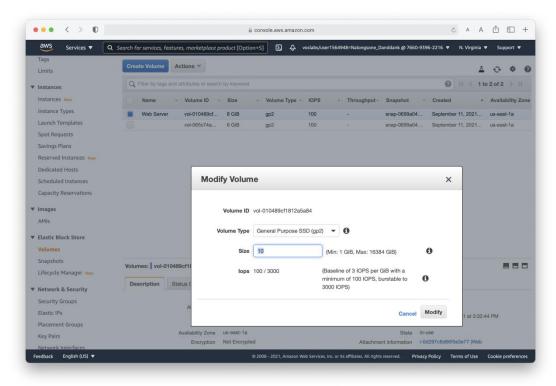
Lab report screen-shot #3:



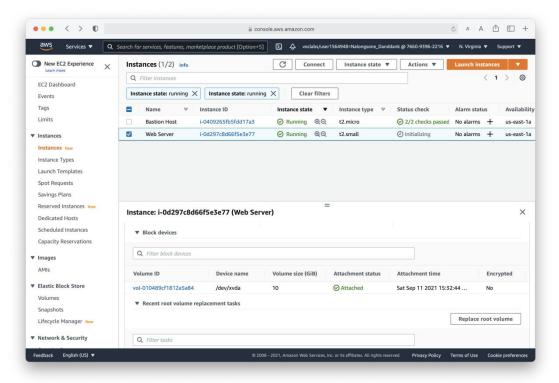
Lab report screen-shot #4:



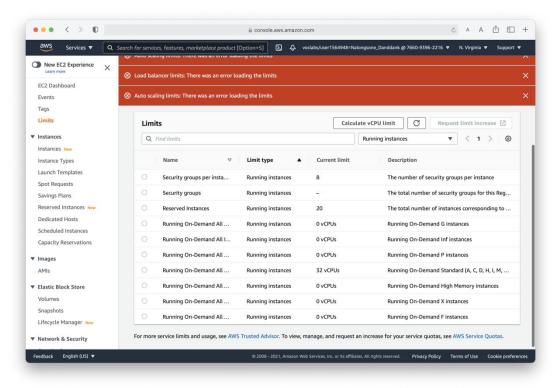
Lab report screen-shot #5:



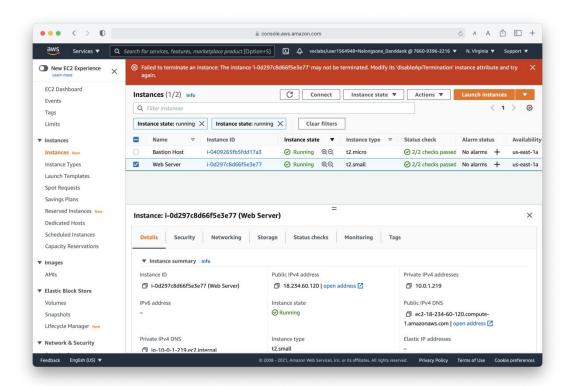
Lab report screen-shot #6:



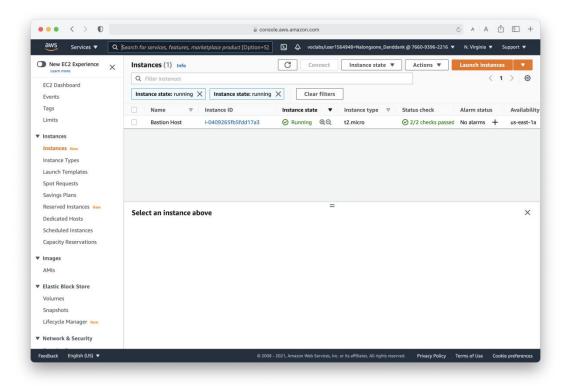
Lab report screen-shot #7:



Lab report screen-shot #8:



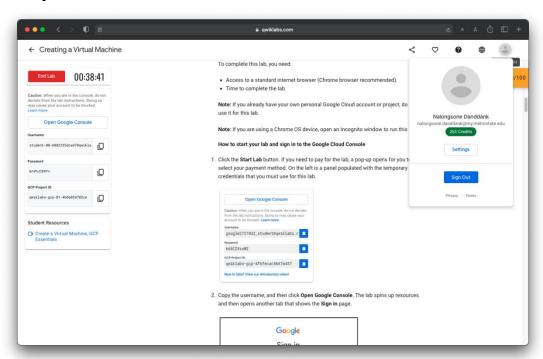
Lab report screen-shot #9:



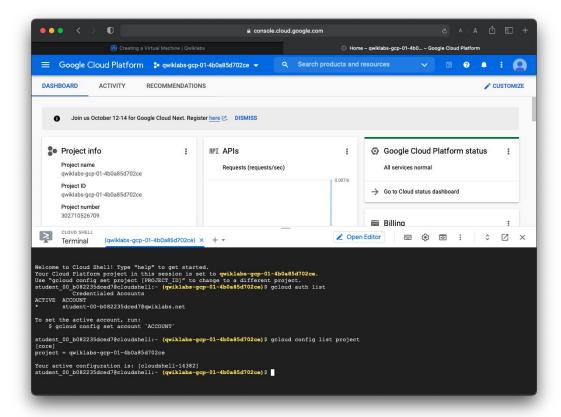
Part 2: GCP.

Exercise 2: Virtual Machines in GCP: Compute Engine.

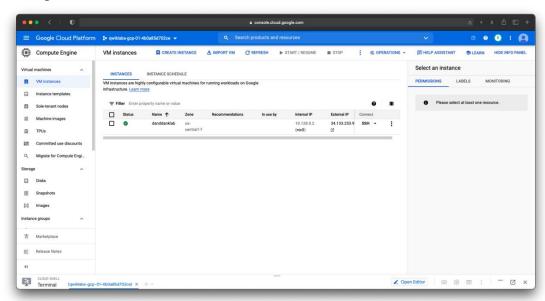
Lab report screen-shot #10:



Lab report screen-shot #11:



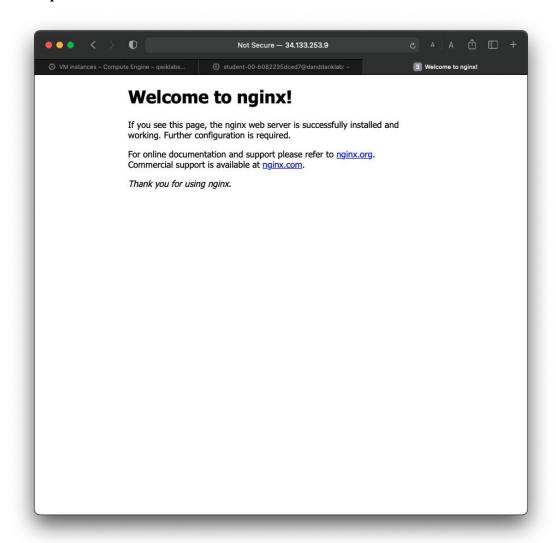
Lab report screen-shot #12:



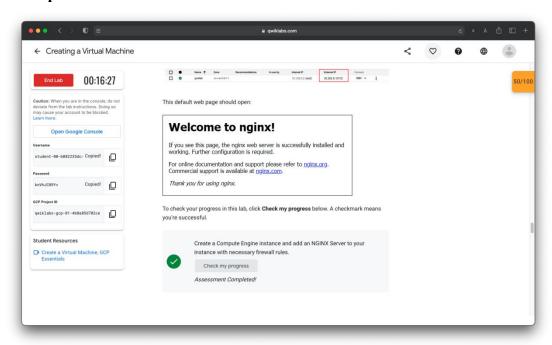
Lab report screen-shot #13:

```
C A A Î I
    ••
                                                                   ssh.cloud.google.com
    student-00-b082235dced7@danddanklab: ~
Selecting previously unselected package libnginx-mod-stream.
                                                                                                                                                  <u></u> □ □
Preparing to unpack .../29-libnginx-mod-stream 1.14.2-2+deb10u4_amd64.deb ...
Unpacking libnginx-mod-stream (1.14.2-2+deb10u4) ...
Selecting previously unselected package nginx-full.
Preparing to unpack .../30-nginx-full 1.14.2-2+deb10u4_amd64.deb ...
Unpacking nginx-full (1.14.2-2+deb10u4) ...
Selecting previously unselected package nginx.
Preparing to unpack .../31-nginx 1.14.2-2+deb10u4_all.deb ...
Unpacking nginx (1.14.2-2+deb10u4) ...
Setting up libxau6:amd64 (1:1.0.8-1+b2) ...
Setting up libxdmcp6:amd64 (1:1.1.2-3) ...
Setting up libxcbl:amd64 (1.13.1-2) .
Setting up nginx-common (1.14.2-2+deb10u4) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.servi
Setting up libjbig0:amd64 (2.1-3.1+b2) ...
Setting up libicu63:amd64 (63.1-6+deb10u1) ...
Setting up libjpeg62-turbo:amd64 (1:1.5.2-2+deb10u1)
Setting up libnginx-mod-http-auth-pam (1.14.2-2+deb10u4) ...
Setting up libx11-data (2:1.6.7-1+deb10u2) ...
Setting up libwebp6:amd64 (0.6.1-2+deb10u1) ...
Setting up fonts-dejavu-core (2.37-1) ..
Setting up libnginx-mod-http-echo (1.14.2-2+deb10u4) ...
Setting up libnginx-mod-http-subs-filter (1.14.2-2+deb10u4) ...
Setting up libiginx-mode4 (1.6.12-1) ...
Setting up libx11-6:amd64 (2:1.6.7-1+deb10u2) ...
Setting up libx11-6:amd64 (2:1.6.7-1+deb10u2) ...
Setting up libtiff5:amd64 (4.1.0+git191117-2~deb10u2) ...
Setting up geoip-database (20181108-1) ...
Setting up libxm12:amd64 (2.9.4+dfsg1-7+deb10u2) ...
Setting up libnginx-mod-mail (1.14.2-2+deb10u4) ...
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up fontconfig-config (2.13.1-2) ..
Setting up libnginx-mod-stream (1.14.2-2+deb10u4) ...
Setting up libnginx-mod-http-upstream-fair (1.14.2-2+deb10u4) ...
Setting up libnginx-mod-http-geoip (1.14.2-2+deb10u4) ...
Setting up libxslt1.1:amd64 (1.1.32-2.2~deb10u1) ...
Setting up libfontconfig1:amd64 (2.13.1-2) ...
Setting up libnginx-mod-http-dav-ext (1.14.2-2+deb10u4) ...
Setting up libnginx-mod-http-xslt-filter (1.14.2-2+deb10u4) ...
Setting up libgd3:amd64 (2.2.5-5.2) ...
Setting up libnginx-mod-http-image-filter (1.14.2-2+deb10u4) ...
Setting up nginx-full (1.14.2-2+deb10u4) ...
Setting up nginx (1.14.2-2-deb10u4) ...
Processing triggers for systemd (241-7~deb10u8) ...
Processing triggers for man-db (2.8.5-2) ...
Processing triggers for libc-bin (2.28-10) ...
root@danddanklab:~# ps auwx | grep nginx
root 1940 0.0 0.0 65660 1692 ?
                                                                      Ss 03:53
                                                                                         0:00 nginx: master process /usr/sbin/nginx -g d
www-data 1941 0.0 0.1 80720 11244 ?
www-data 1942 0.0 0.1 80720 11244 ?
root 1980 0.0 0.0 4836 880 pt
                                                                              03:53
                                                                                          0:00 nginx: worker process
                                                                              03:53
                                                                                          0:00 nginx: worker process
                                                880 pts/0
                                                                                          0:00 grep nginx
                                                                              03:54
root@danddanklab:~#
```

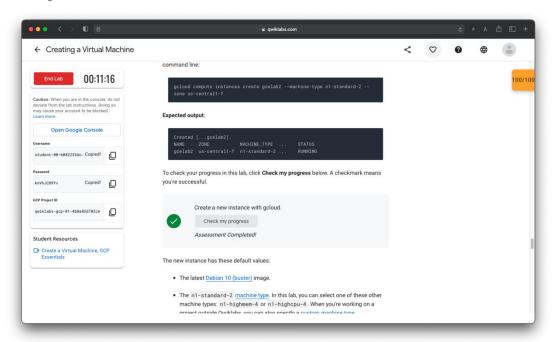
Lab report screen-shot #14:



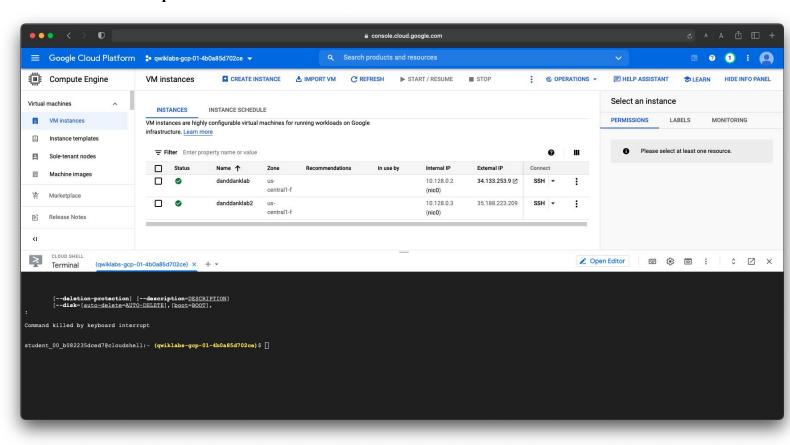
Lab report screen-shot #15:



Lab report screen-shot #16:



Lab report screen-shot #17:



Lab report screen-shot #18:

