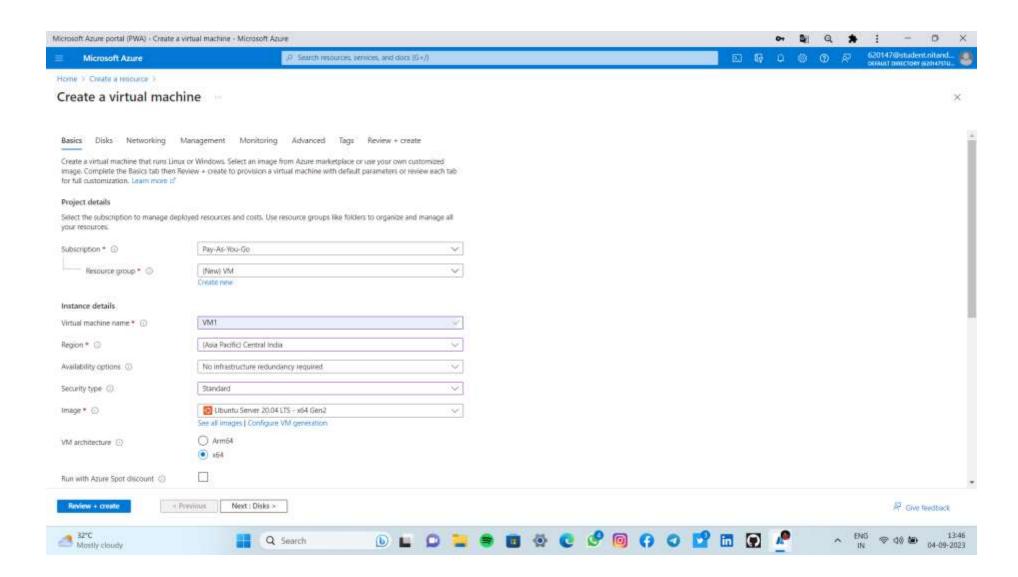
Name : Kambala Chandu

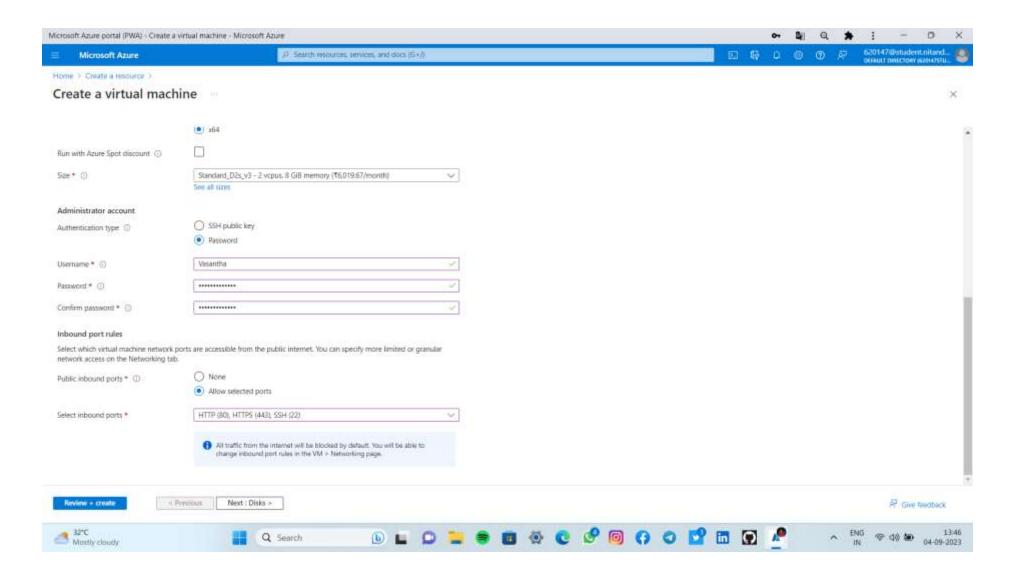
Domain : Cloud Computing

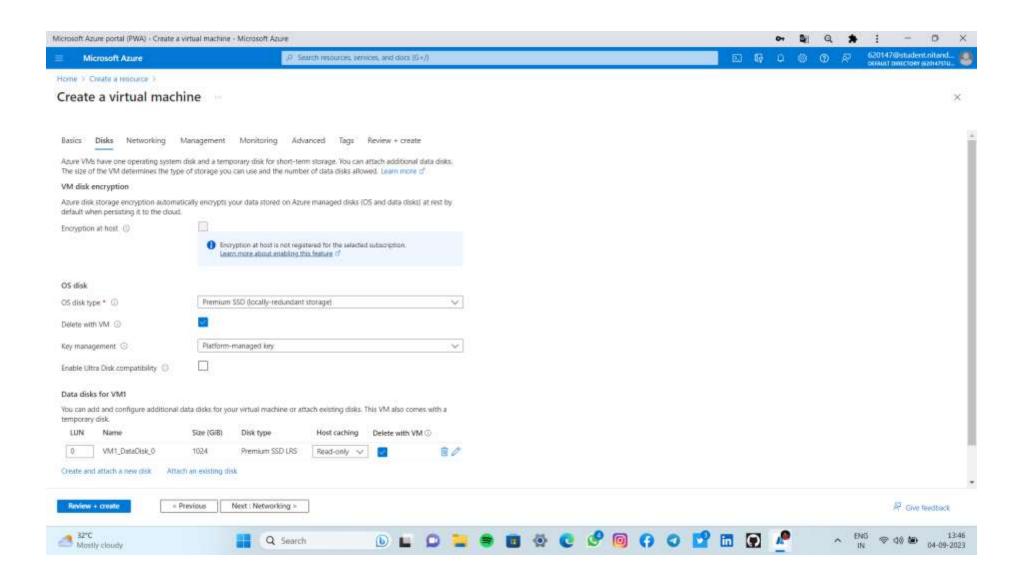
Batch : CC -Minor-July

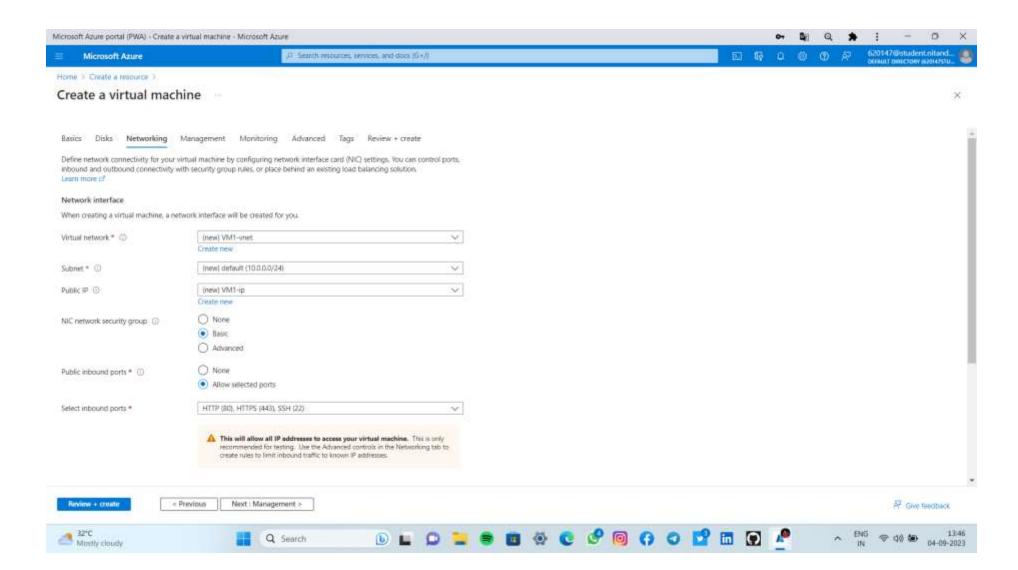
Minor Project Azure: Create a Azure Load Balacer by using four Virtual Machines and Using Application Gateway as Load Balancer (Distribute the Load on four Virtual Machines

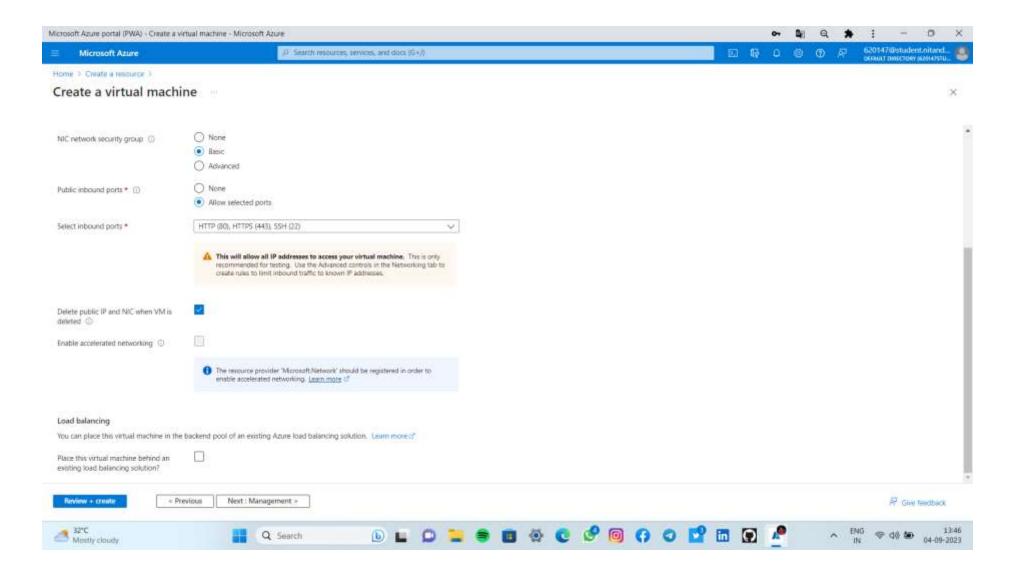
Virtual Machine-1

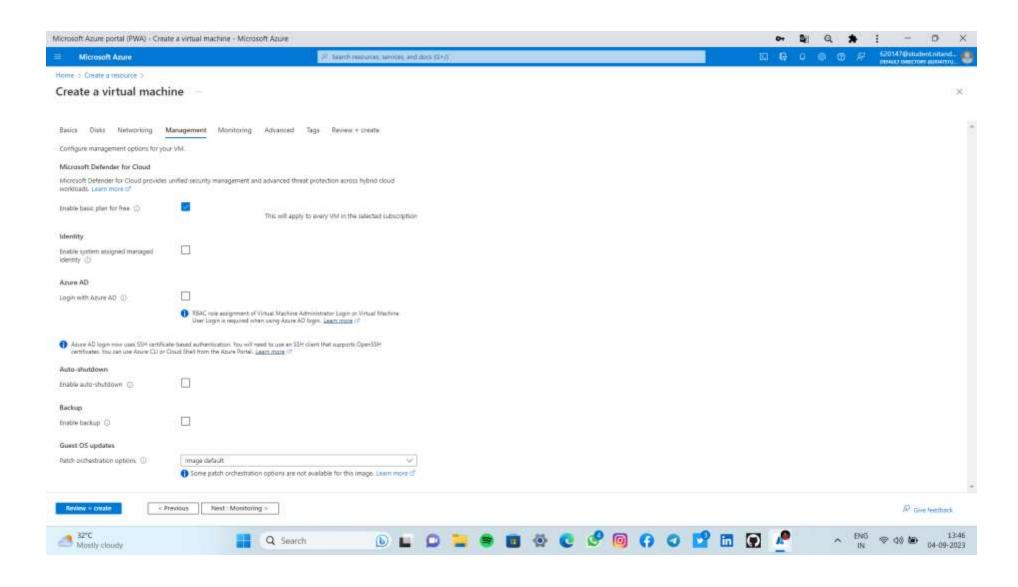


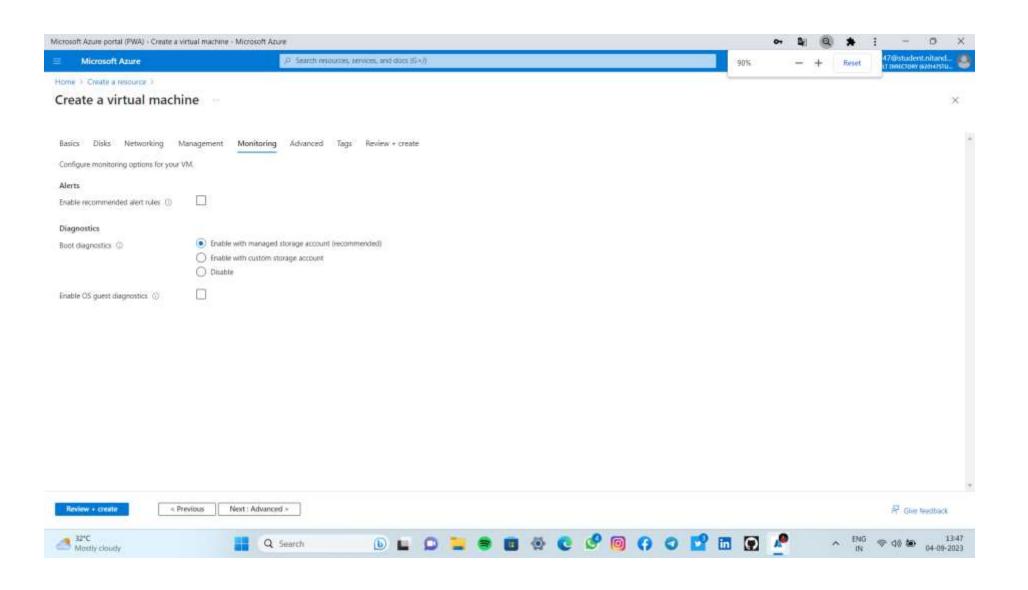


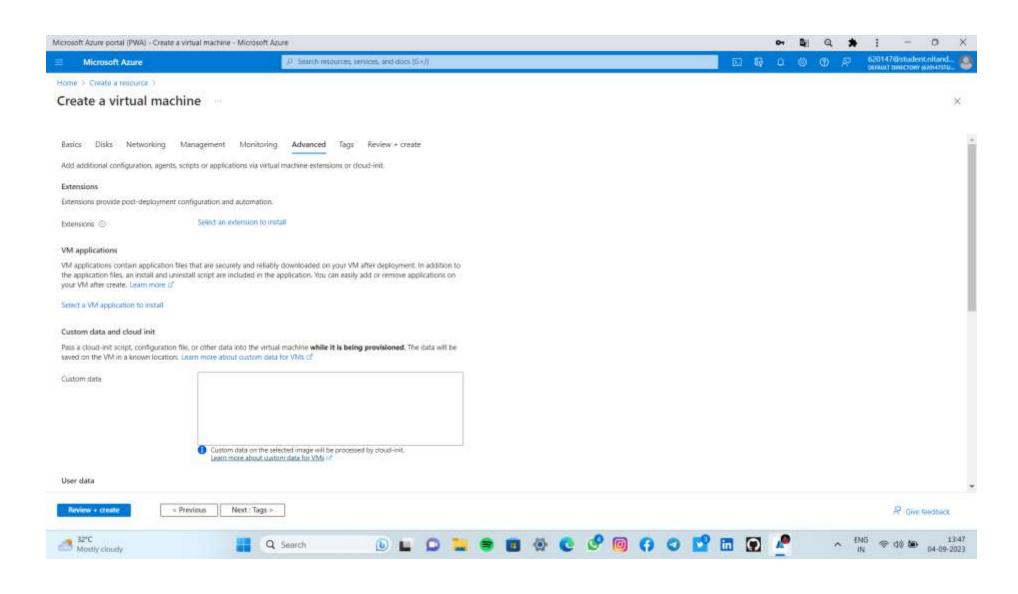


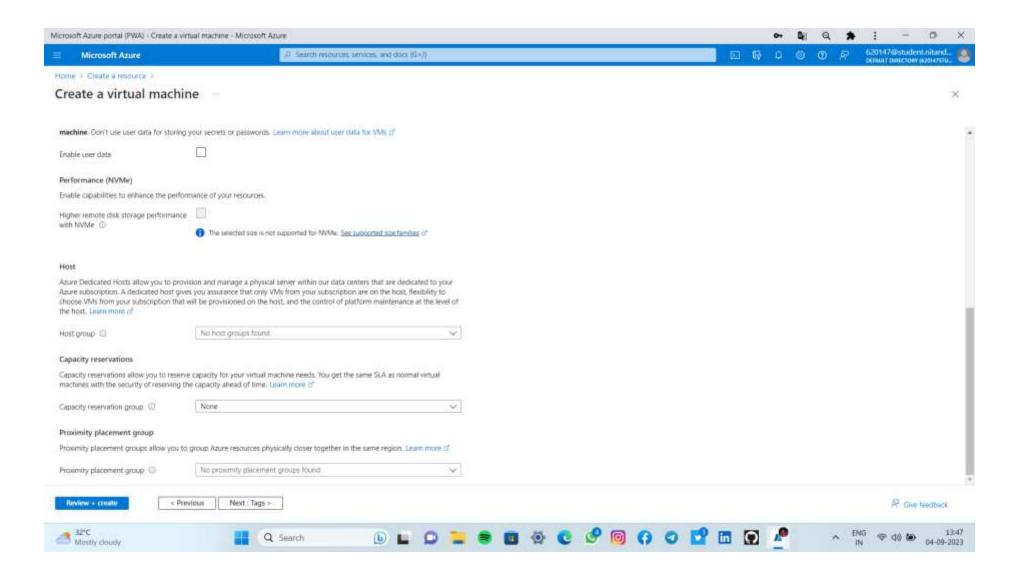


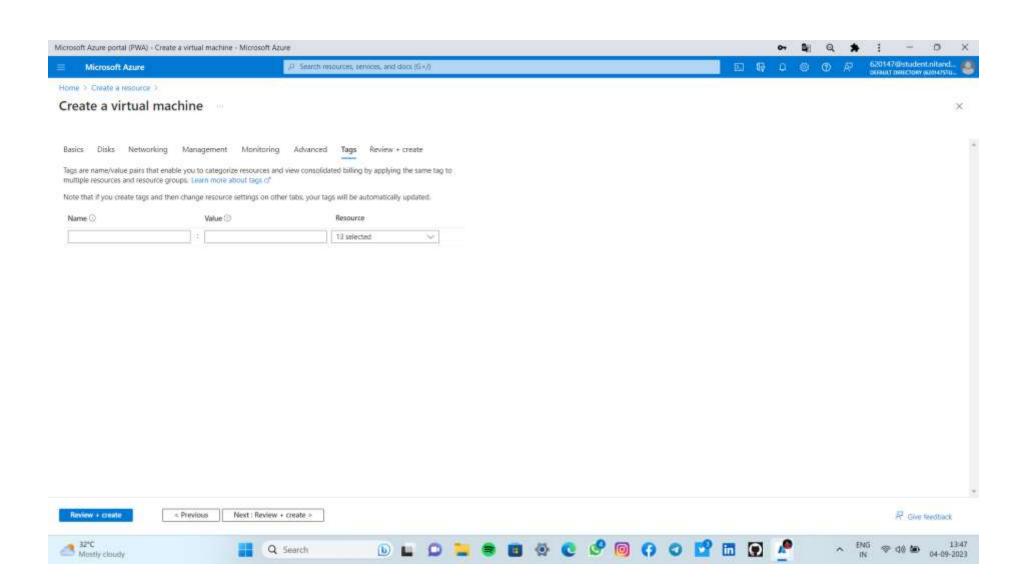


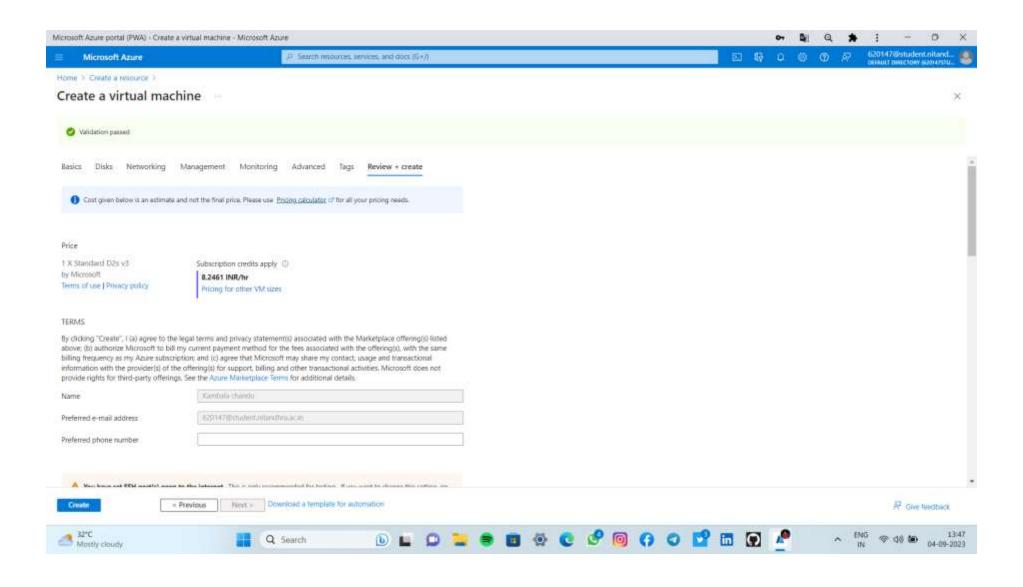


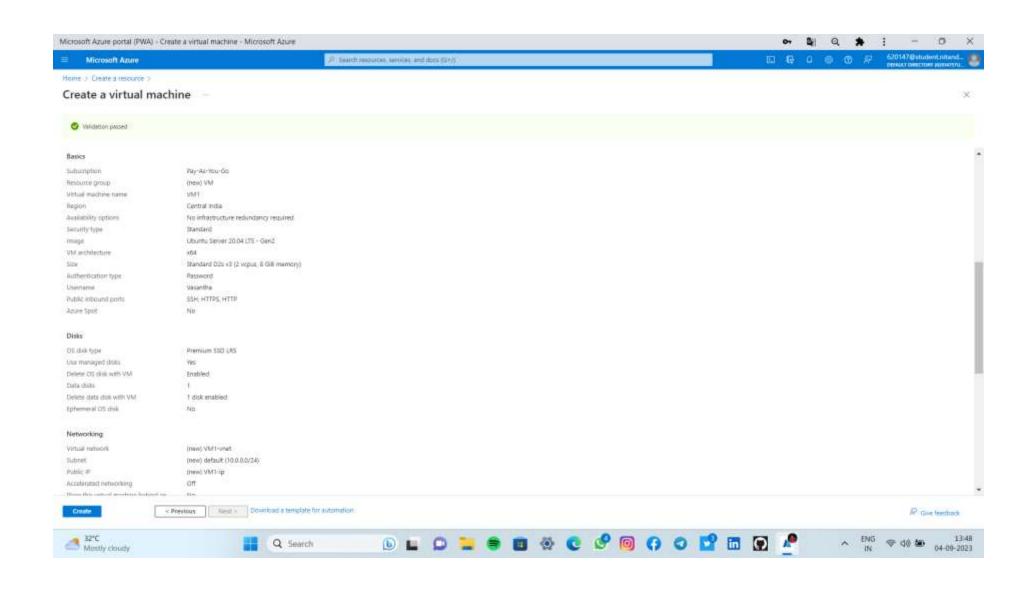


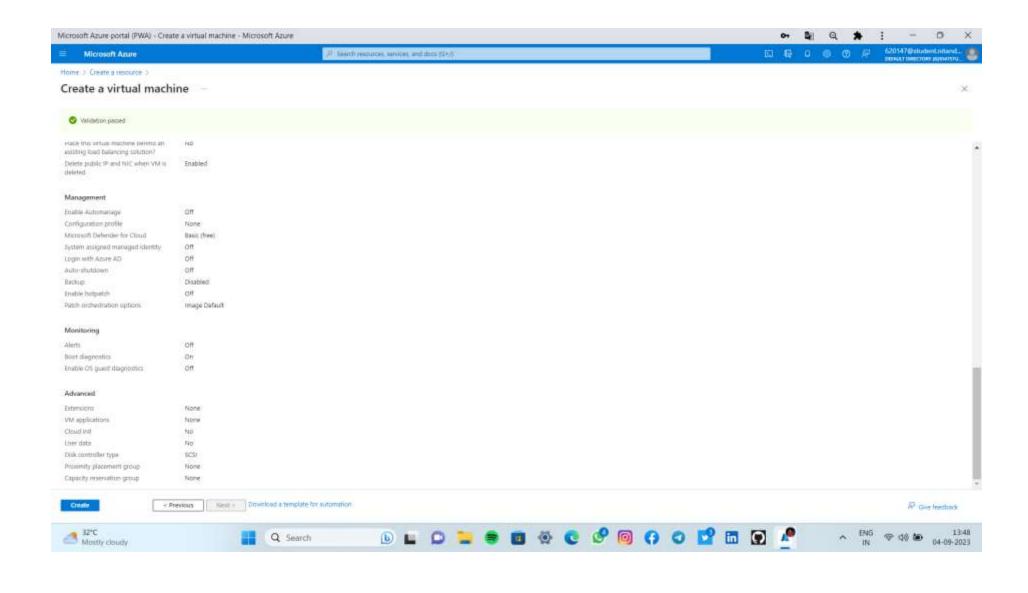


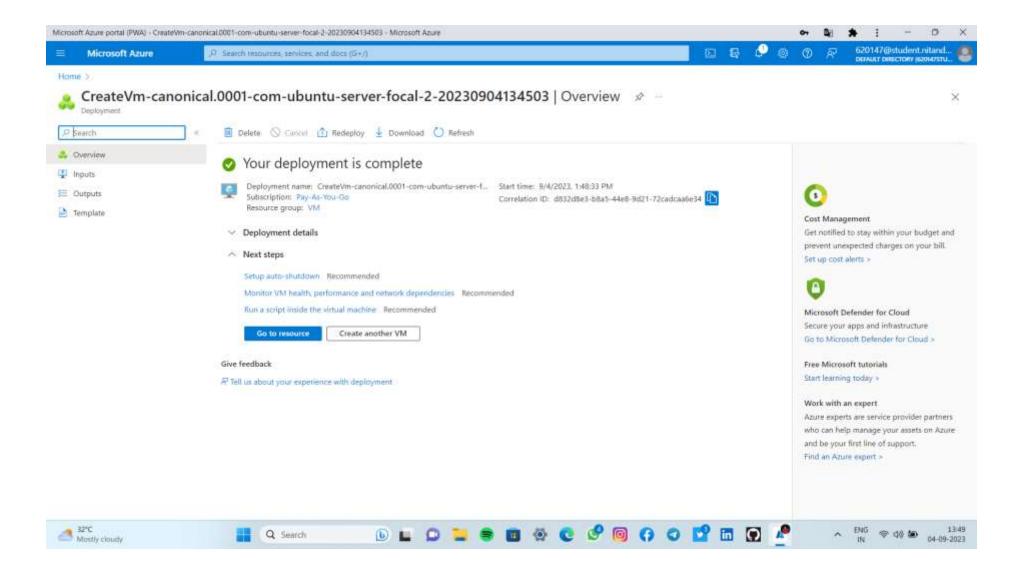


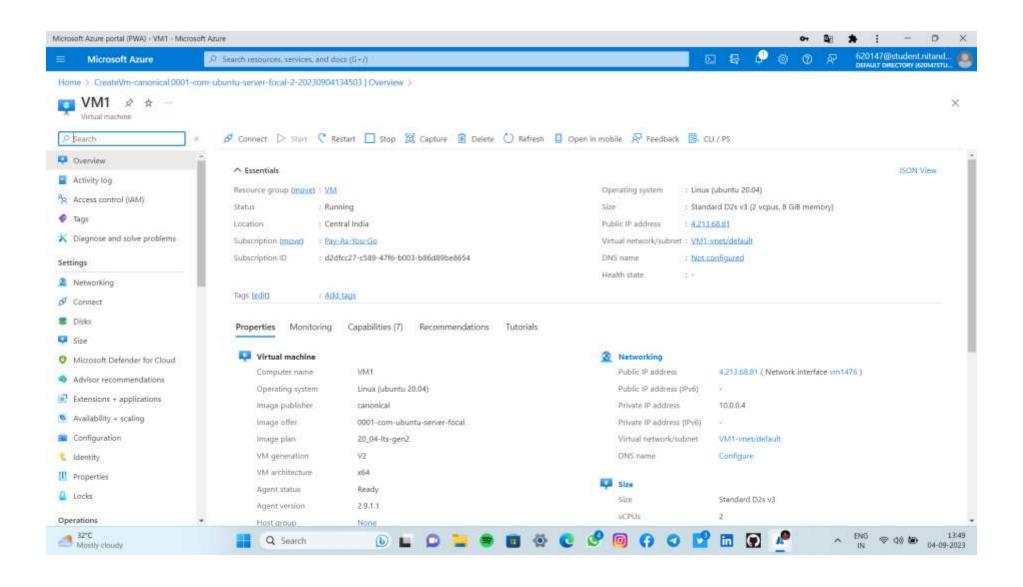


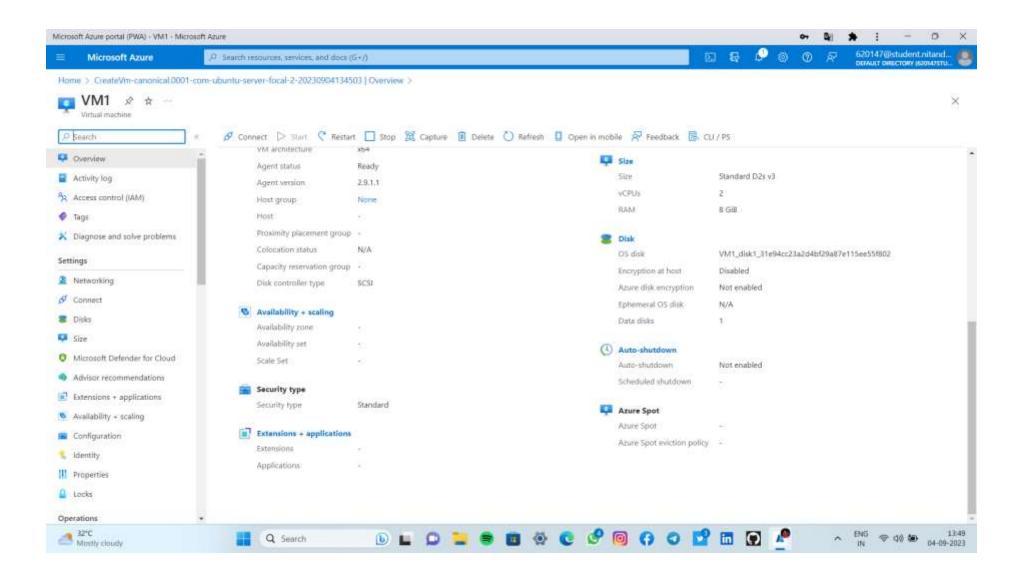


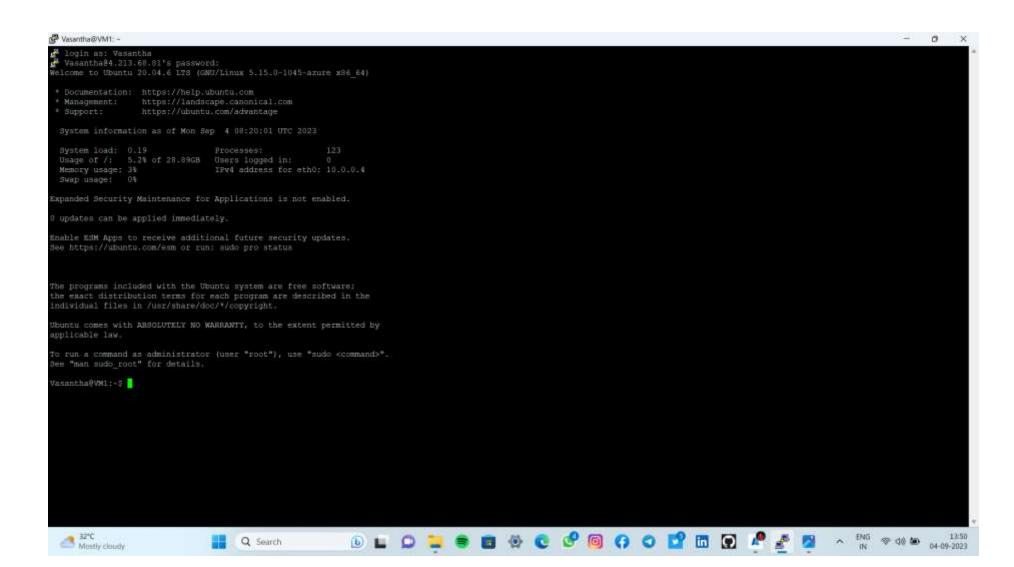




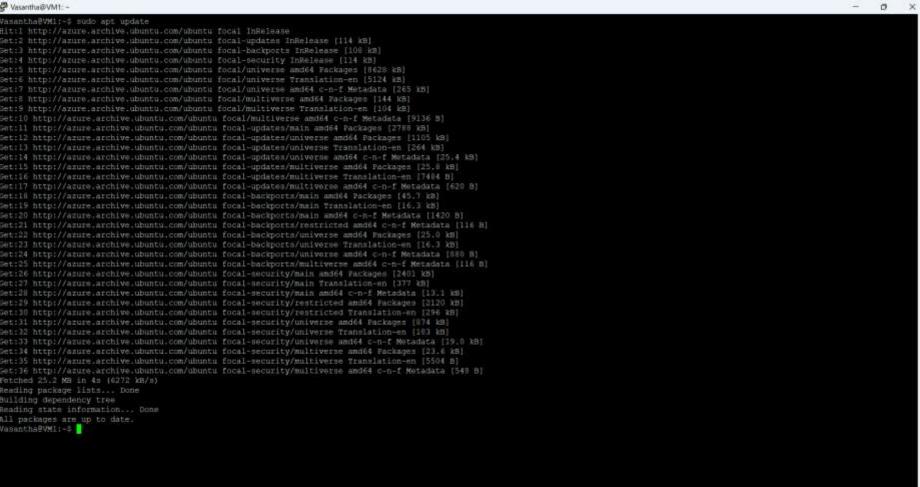














































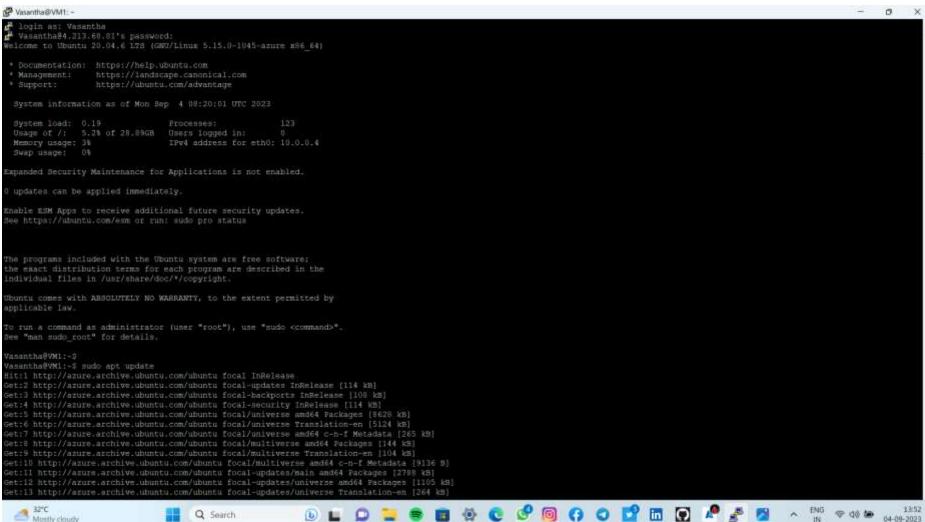
















































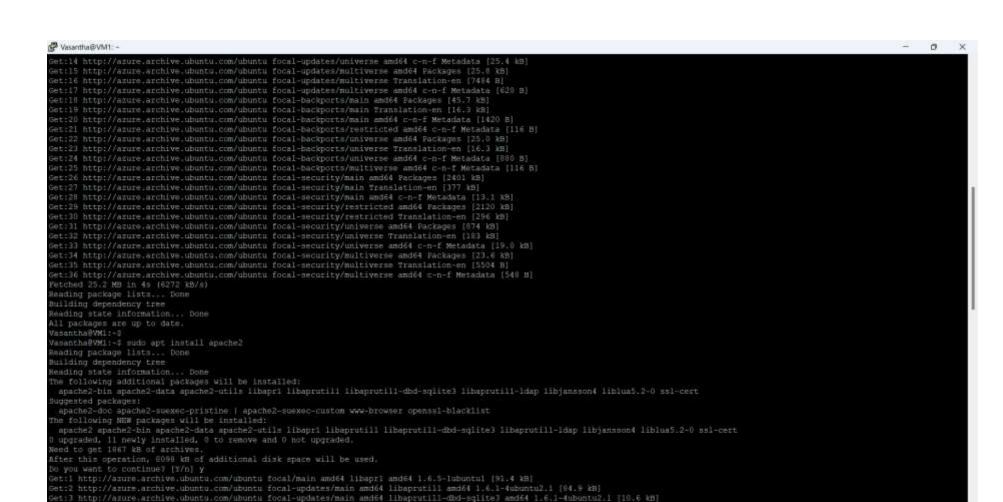




















et:5 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libjansson4 amd64 2.12-lbuild1 [28.9 kB] etič http://erure.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64 5.2.4-1.lbuild3 [105 kB]

et:4 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutill-ldap amd64 l.6.1-4ubuntu2.1 [8756 B]





































```
et:7 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bin amd64 2.4.41-4ubuntu3.14 [1182 kB]
et:8 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-data all 2.4.41-4ubuntu3.14 [158 kB]
et:9 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-utils amd64 2.4.41-4ubuntu2.14 [84.4 kB]
Set:10 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apeche2 amd64 2.4.41-4ubuntu3.14 [95.6 kB]
et:11 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 ssl-cert all 1.0.39 [17.0 kB]
Petched 1867 kB in Us (24.7 MB/s)
electing previously unselected package libapricamd64.
(Reading database ... 58881 files and directories currently installed.)
Preparing to unpack .../00-libapr1 1.6.5-lubuntul amd64.deb ...
npacking libapri:and64 (1.6.5-lubuntul) ...
electing previously unselected package libaprutill:amd64.
mpacking libeprutill:amd64 (1.6.1-Aubuntu2.1) ..
electing previously unselected package libaprutill-dbd-sqlite3:amd64.
reparing to unpack ... /02-libaprutill-dbd-sqlite3 1.6.1-4ubuntu2.1 amd64.deb ...
npacking libeprutil1-dbd-sqlite3:amd64 (1.6.1-4ubuntu2.1) ...
electing previously unselected package libaprutill-ldap; amd64.
Preparing to unpack .../03-libaprutill-ldap 1.6.1-4ubuntu2.1 mmd64.deb ...
Impacking libaprutill-ldap:amd64 (1.6.1-4ubuntu2.1) ...
electing previously unselected package libjansson4:amd64.
reparing to unpack .../04-libjansson4 2.12-lbuild1 amd64.deb ...
mpacking libjansson4:amd64 (2.12-1build1) ...
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reparing to unpack .../05-liblua5.2-0 5.2.4-1.1build3_mmd64.deb ...
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reparing to unpack .../08-apache2-utils 2.4.41-4ubuntu3.14 amd64.deb ...
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electing previously unselected package apache2.
Preparing to unpack .../09-apache2 2.4.41-4ubuntu3.14_amd64.deb ...
hpacking apache2 (2.4.41-4ubuntu3.14) ...
electing previously unselected package ssl-cert.
mpacking ss1-cert (1.0.39) ...
etting up libapr1:amd64 (1.6.5-lubuntul) ...
etting up libjansson4:amd64 (2.12-1build1) ...
etting up ssl-cert (1.0.39) ..
etting up liblua5.2-0:amd64 (5.2.4-1.1build3) ...
etting up apache2-data (2.4.41-4ubuntu3.14) ...
etting up libaprutill:amd64 (1.6.1-4ubuntu2.1) ...
etting up libaprutill-ldap;amd64 (1.6.1-4ubuntu2.1) ...
etting up libaprutill-dbd-sqlite3;amd64 (1.6.1-4ubuntu2.1) ...
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mpacking ssl-cert (1.0.39) ...
etting up libaprl:amd64 (1.6.5-lubuntul) ...
etting up libjansson4:amd64 {2.12-1build1} ...
Setting up ssl-dert (1.0.39) ...
Setting up liblua5.2-0:amd64 (5.2.4-1.1bulld3) ...
etting up apache2-data (2.4.41-4ubuntu3.14) ...
Setting up libaprutil1:amd64 (1.6.1-4ubuntu2.1) ...
etting up libaprutill-1dap:amd64 (1.6.1-4ubuntu2.1) ...
etting up libaprutill-dbd-sqlite3:amd64 (1.6.1-4ubuntu2.1) ...
etting up apache2-utils (2.4.41-4ubuntu3.14) ...
etting up apache2-bin (2.4.41-4ubuntu3.14) ...
etting up apache2 (2.4,41-4ubuntu3.14) ...
mabling module mpm event.
mabling module authz core.
nabling module authz host.
nabling module autho core.
nabling module auth basic.
nabling module access compat.
nabling module authn file.
mabling module authr user.
nabling module alias.
nabling module dir.
nabling module autoindex.
nabling module env.
mabling module mime.
mabling module negotiation.
nabling module setenvif.
mabling module filter.
mabling module deflate.
nabling module status.
nabling module reqtimeout.
mabling conf charset.
mabling conf localized-error-pages.
nabling conf other-whosts-access-log.
nabling conf serve-cgi-bin.
mabling site 000-default.
Treated symlink /etc/systemd/system/multi-user.target.wants/apache2.service - /lib/systemi/system/apache2.service.
Treated symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service - /lib/systemd/system/apache-htcacheclean.service.
rocessing triggers for systemd (245.4-4ubuntu3.22) ...
rocessing triggers for man-db (2.9.1-1) ...
rocessing triggers for libc-bin (2.31-Oubuntu9.9) ...
/asantha@VM1:-3
```





































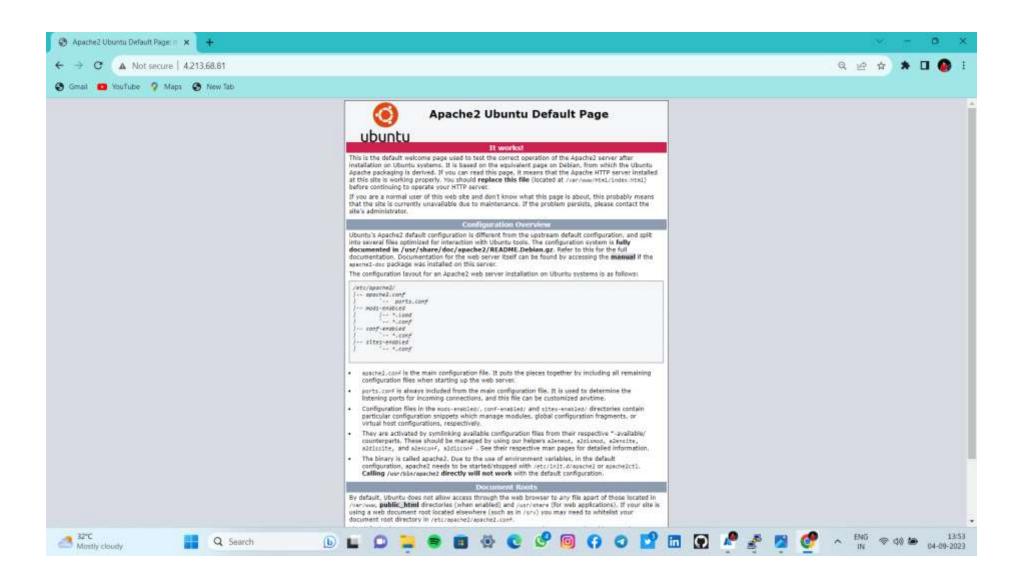


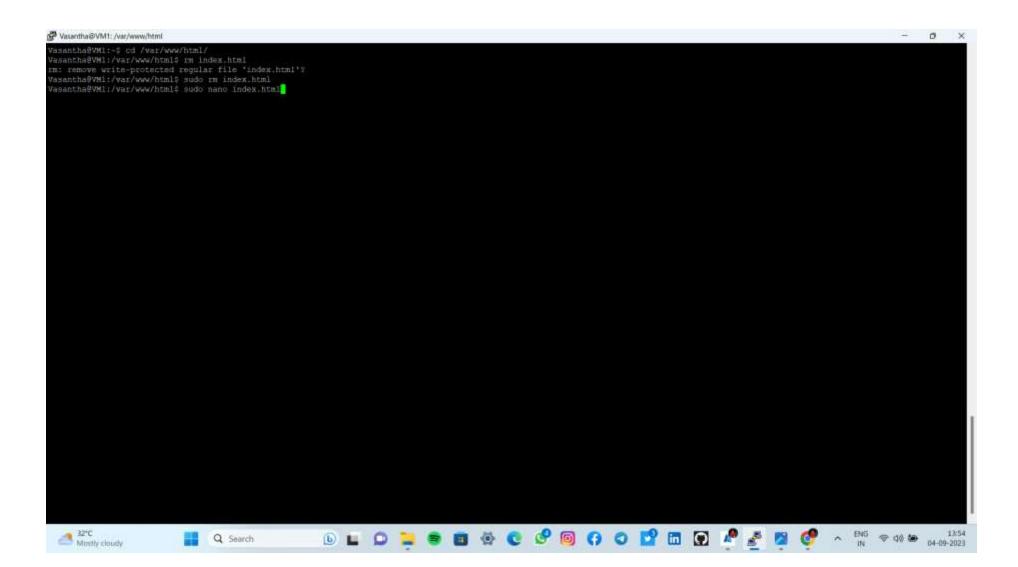


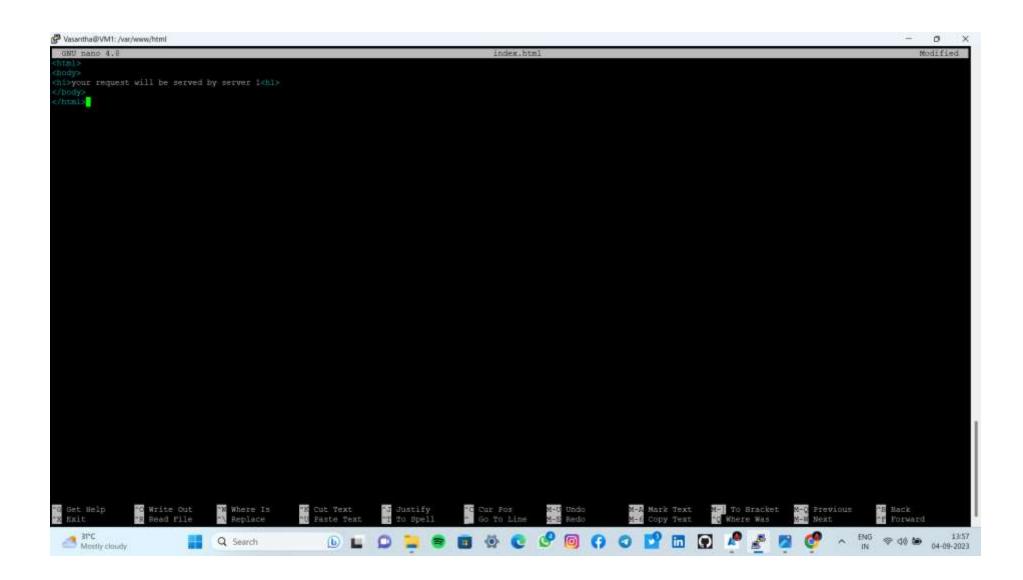


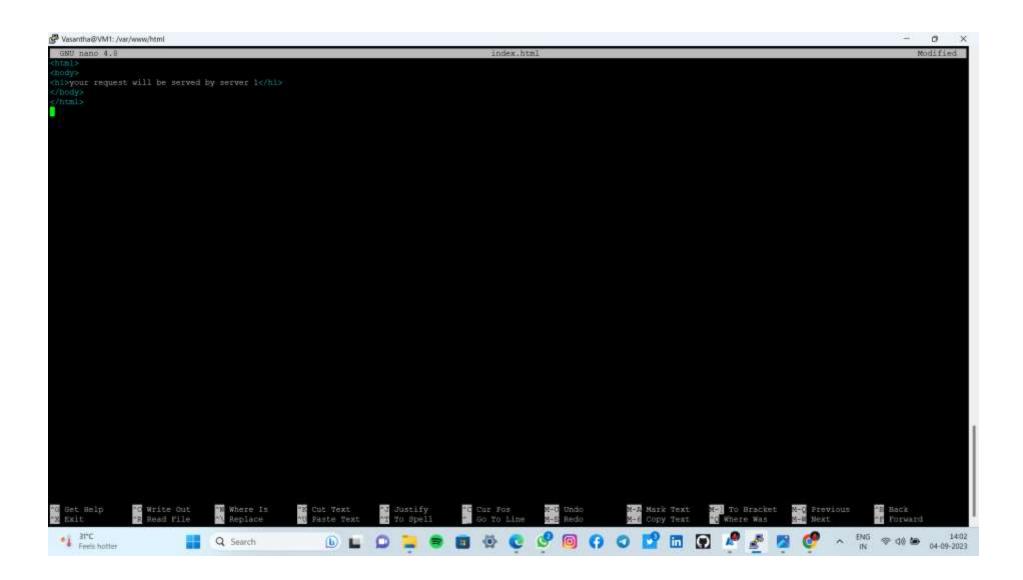


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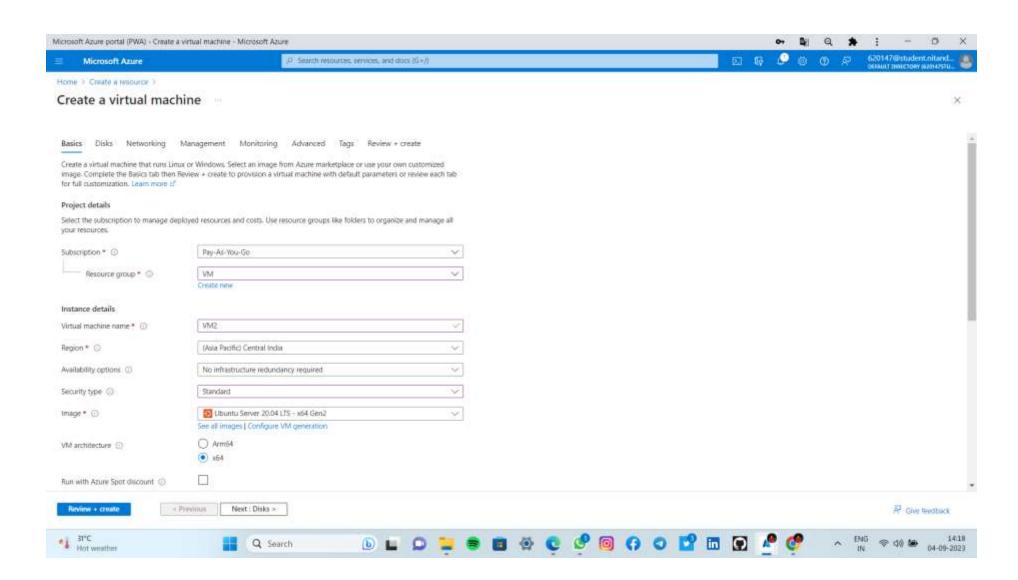


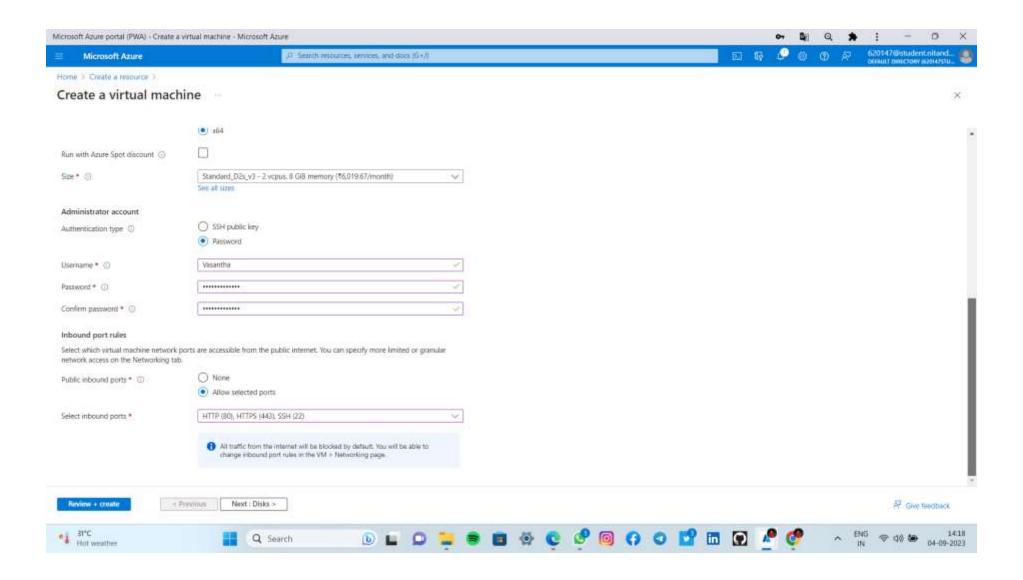


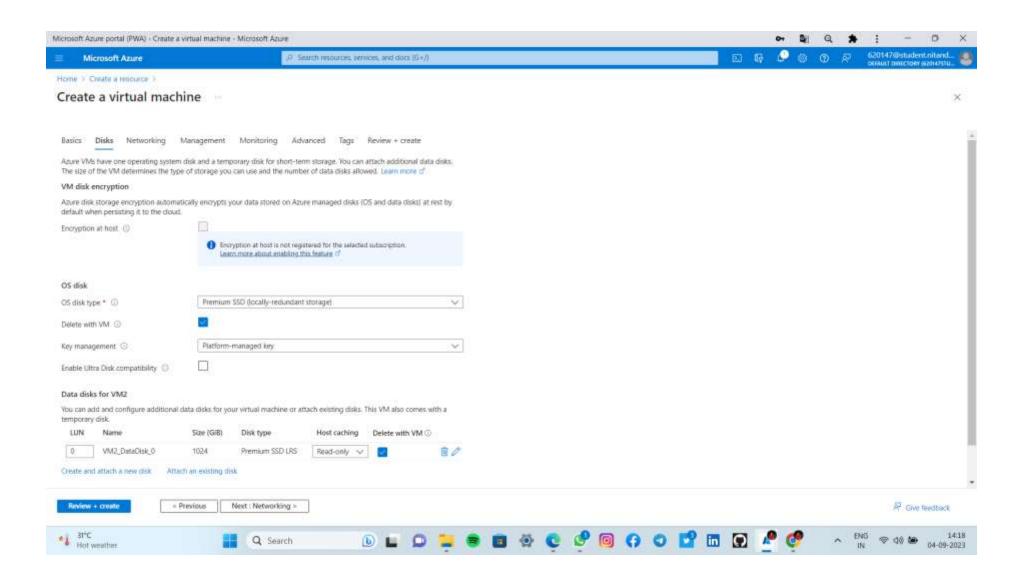
your request will be served by server 1

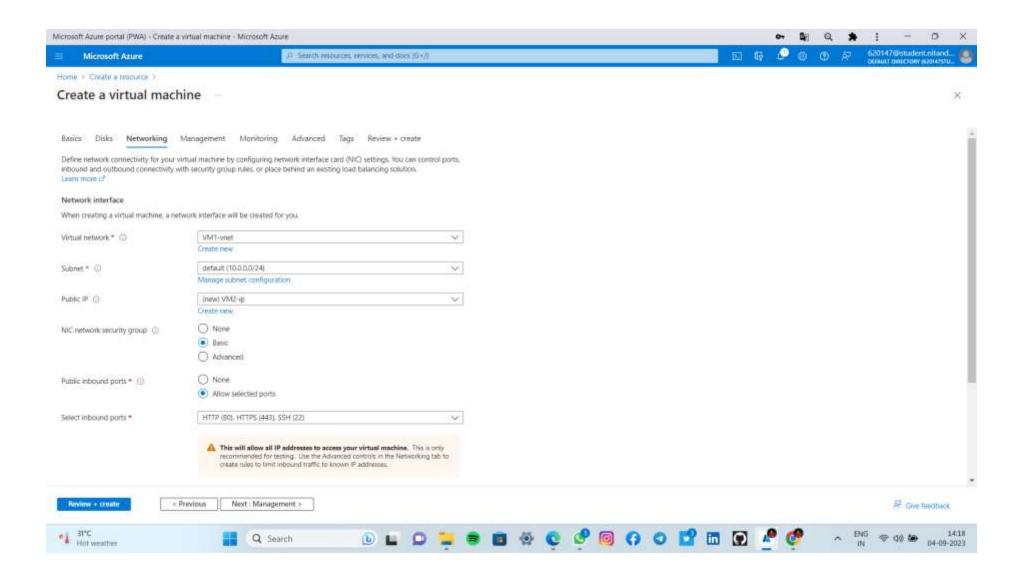


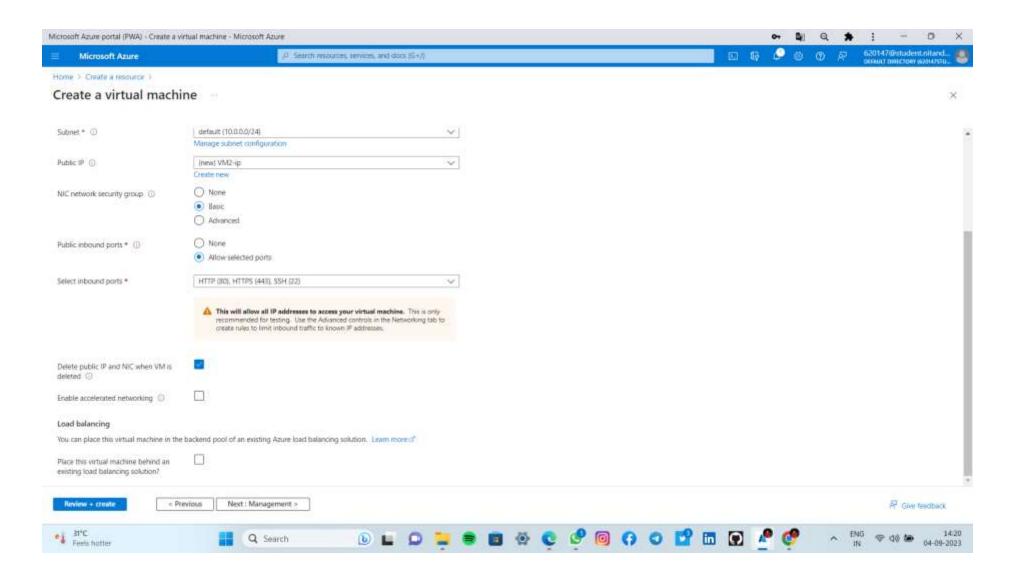
Virtual Machine-2

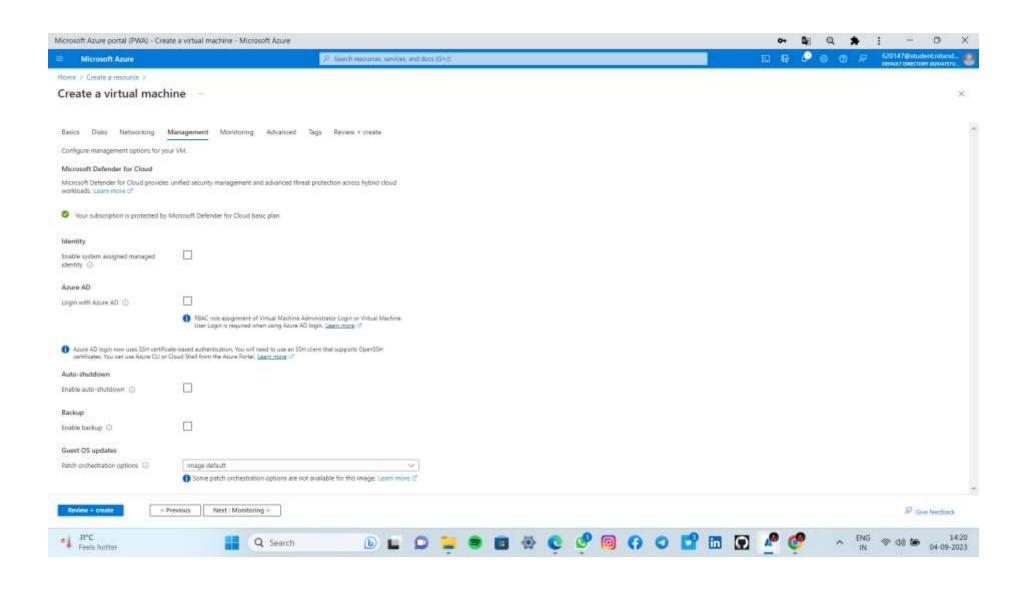


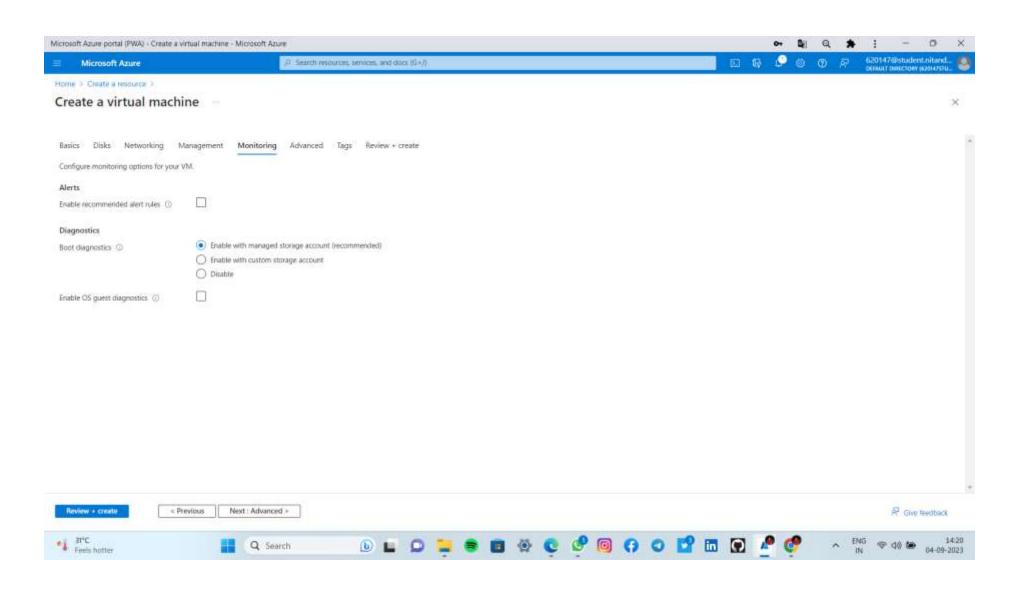


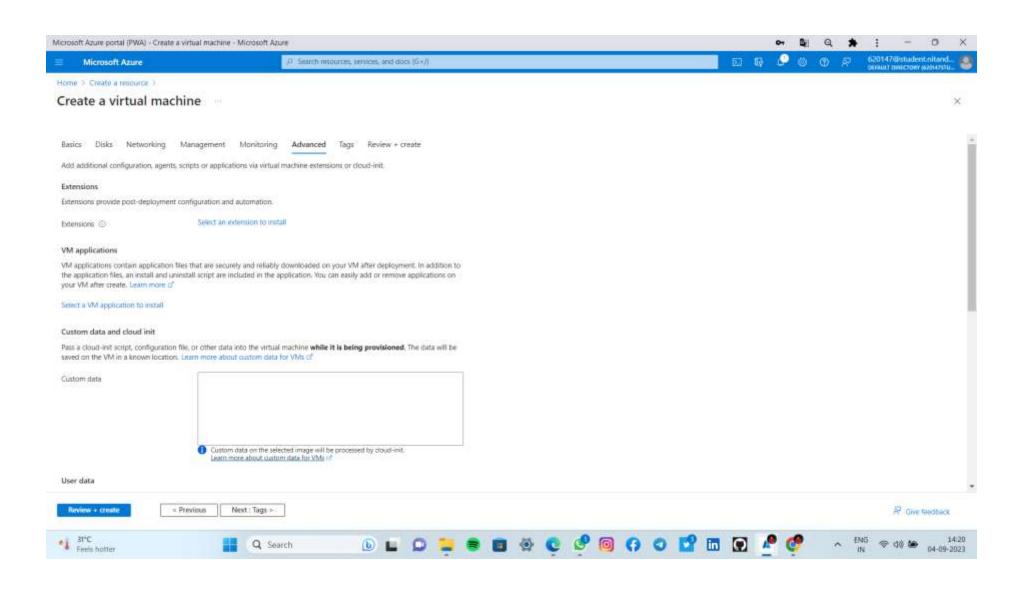


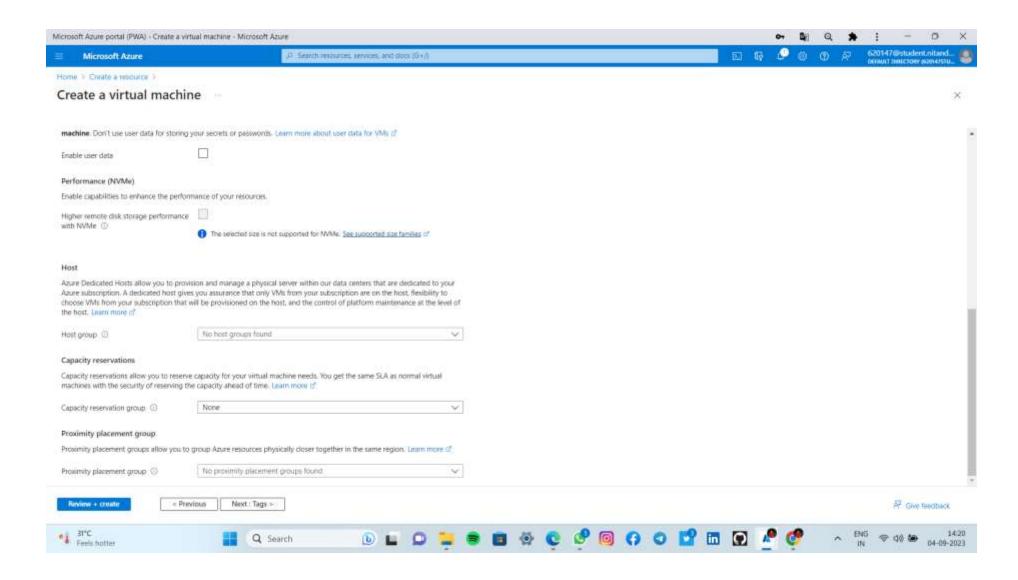


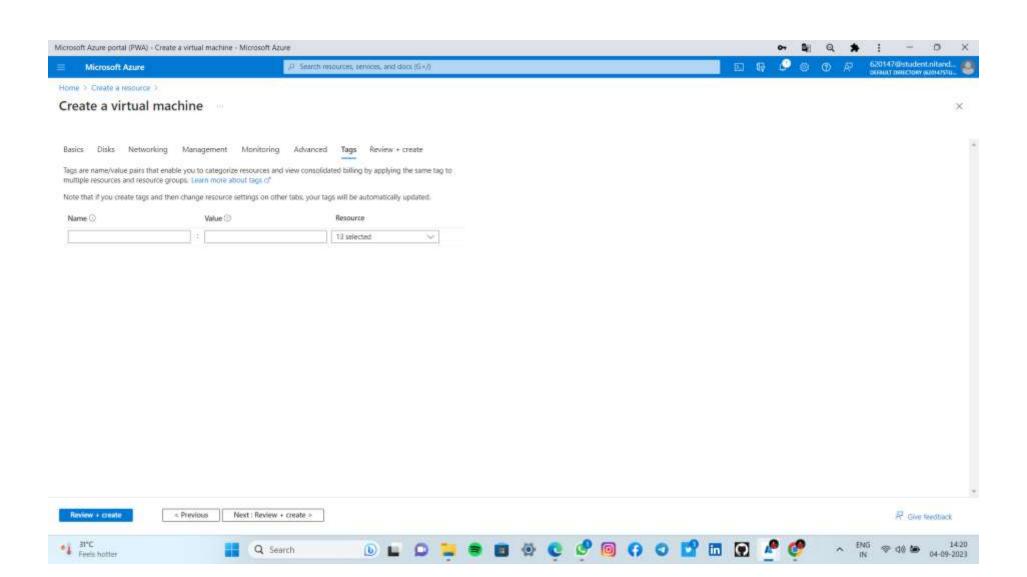


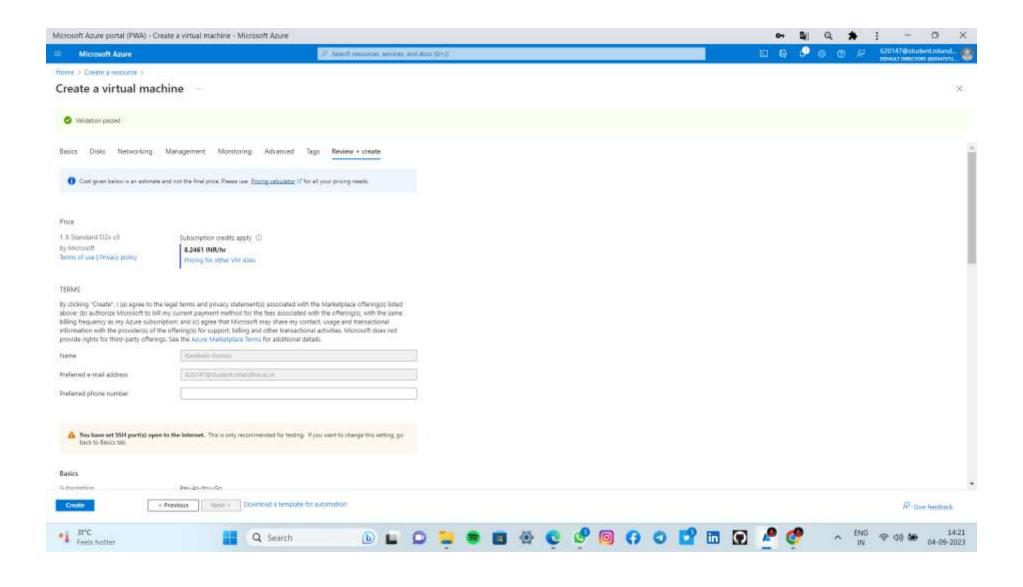


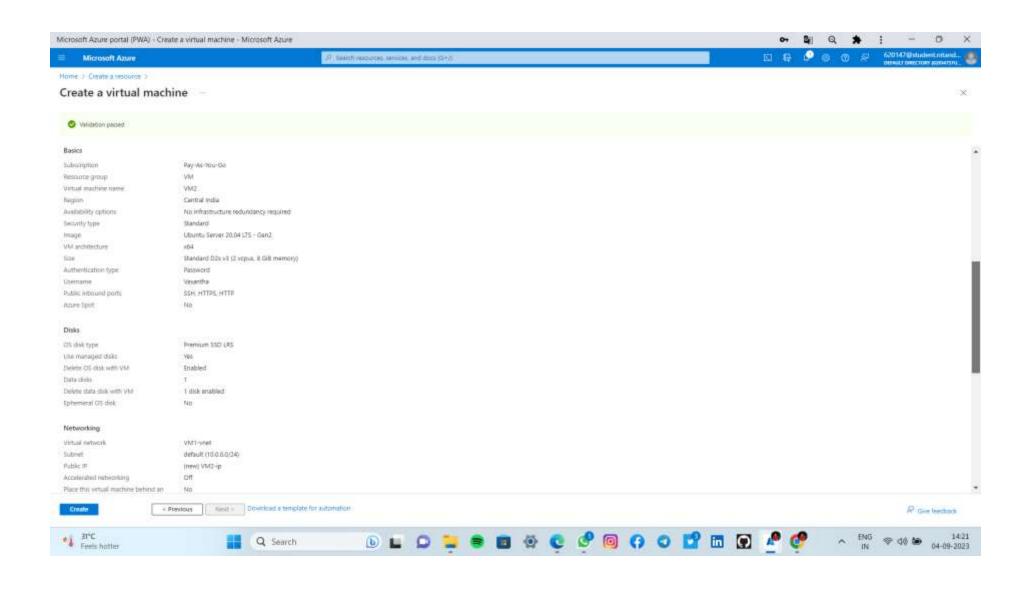


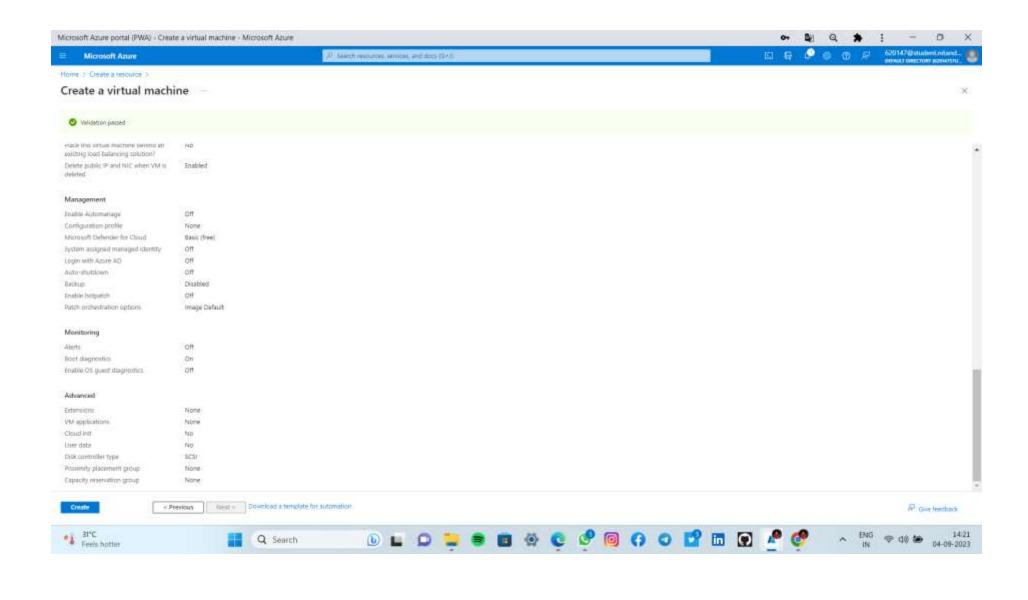


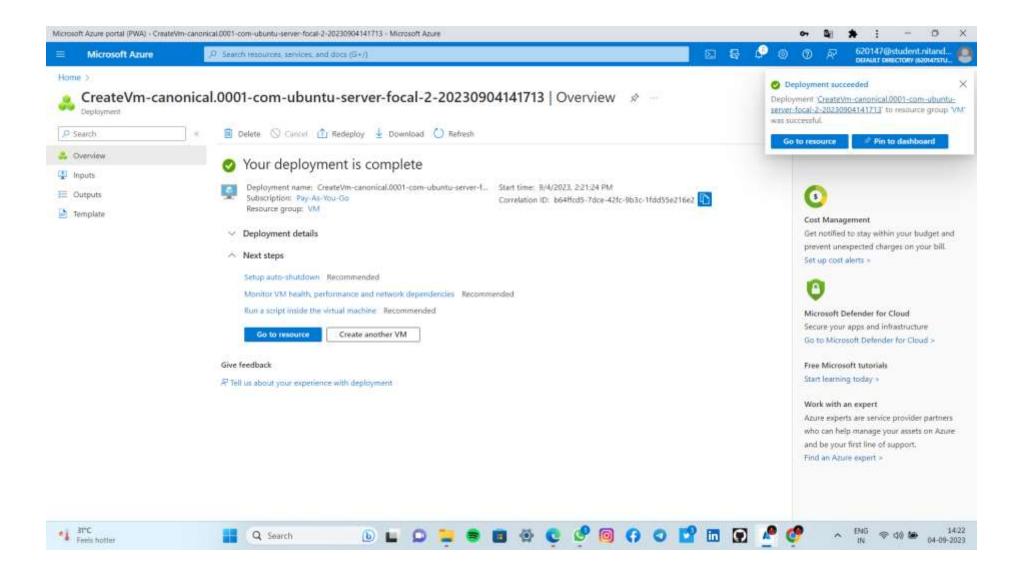


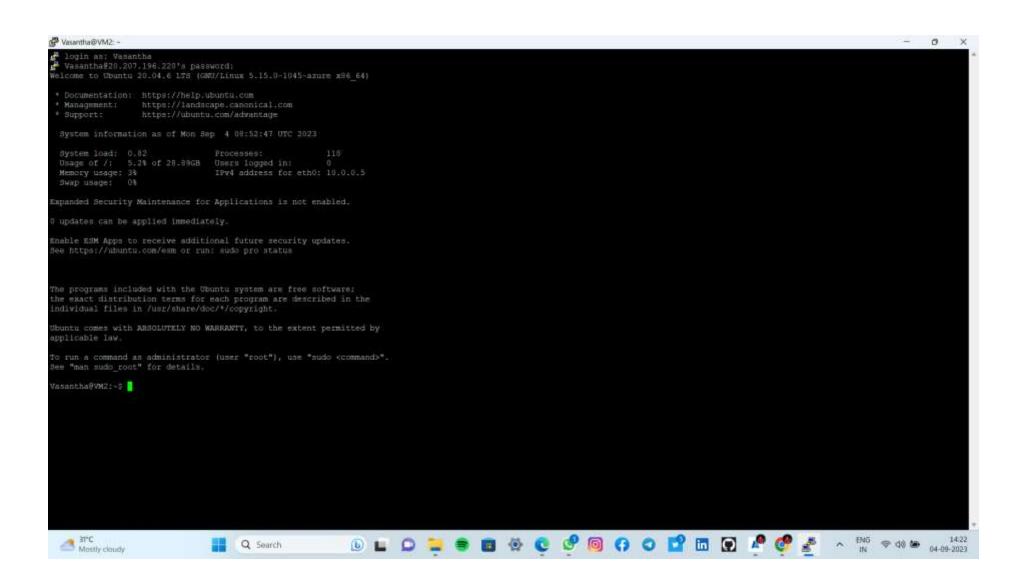


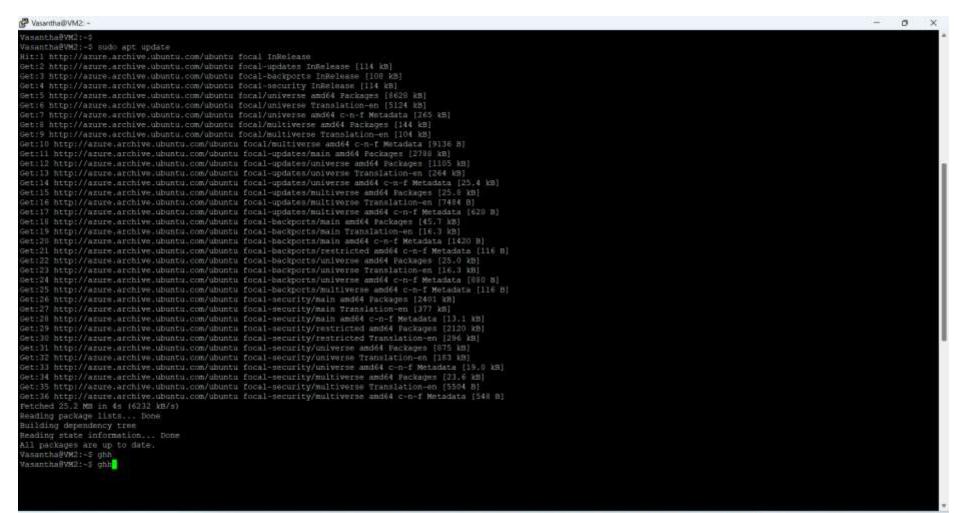




























































Wasantha@VM2:-\$ sudo apt install apache2 eading package lists... Done: uilding dependency tree Meading state information ... Done he following additional packages will be installed: apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblus5.2-0 ssl-cert uggested packages: apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist he following NEW packages will be installed: spache2 spache2-bin spache2-data spache2-utils libspr1 libsprutil1 libsprutil1-dbd-sqlite3 libsprutil1-ldap libjansson4 liblus5.2-0 ssl-cert upgraded, 11 newly installed, 0 to remove and 0 not upgraded. eed to get 1867 kB of archives. After this operation, 8098 kB of additional disk space will be used. to you want to continue? [Y/n] y Het:| http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 amd64 1.6.5-lubuntul [91.4 kB] Set:2 http://azure.archive.ubuntu.com/ubuntu focal-undates/main and64 libenrutill and64 1.6.1-4ubuntu2.1 [84.9 kB] set:] http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutill-dbd-sqlite3 amd64 l.6.1-4ubuntu2.1 [10.6 km] et:4 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutill-ldap amd64 l.6.1-4ubuntu2.1 [8756 8] et:5 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libjansmon4 amd64 2.12-1build1 [28.9 kB] et:6 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64 5.2.4-1.1build3 [106 kB] et:7 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bin amd64 2.4.41-4ubuntu3.14 [1182 kB] et:8 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amdé4 apache2-data all 2.4.41-4ubuntu3.14 [158 k8] set:9 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-utils amd64 2.4.41-4ubuntu3.14 [84.4 kB] et:10 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2 amd64 2.4.41-4ubuntu3.14 [95.6 kB] et:11 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 ssl-cert all 1.0.39 [17.0 k8] etched 1867 kB in 0s (23.1 MB/s) reconfiguring packages ... selecting previously unselected package libaprl:amd64. Reading database ... 58881 files and directories currently installed.) reparing to unpack .../00-libaprl 1.6.5-lubuntul amd64.deb ... mpacking libaprl:amd64 (1.6.5-lubuntul) . electing previously unselected package libaprutil1:and64. reparing to unpack .../01-libaprutill 1.6.1-4ubuntu2.1_amd64.deb ... hpacking libaprutill:amd64 (1.6.1-4ubuntu2.1) ... electing previously unselected package libaprutill-dbd-sqlite3:amd64. reparing to unpack .../02-libaprutil1-dbd-sqlite3 1.6.1-4ubuntu2.1 amd64.deb ... npacking libaprutill-dbd-sqlite3:amd64 (1.6.1-4ubuntu2.1) ... electing previously unselected package libaprutill-ldap:amd64. reparing to unpack .../03-libaprutill-ldap 1.6.1-4ubuntu2.1 amd64.deb mpacking libaprutill-ldap;amd64 (1.6.1-4ubuntu2.1) ... electing previously unselected package libjansson4:and64. reparing to unpack .../04-libjansson4 2.12-lbuild1 and64.deb ... npacking libjansson4:amd64 (2.12-lbuild1) ... electing previously unselected package liblua5.2-0:amd64. reparing to unpack .../05-liblua5.2-0 5.2.4-1.1build3 amd64.deb ... mpacking liblus5.2-0:amd64 (5.2.4-1.1bulld3) ... electing previously unselected package apache2-bin. spacking apache2-bin (2.4.41-4ubuntu3.14) ...











































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- 0 × mpacking apache2 (2.4.41-4ubuntu3.14) ... electing previously unselected package as1-cert. mpacking ssl-cert (1.0.39) ... etting up libaprl:amd64 (1.6.5-lubuntul) ... etting up libjansson4:amd64 {2.12-1build1} ... Setting up ssl-dert (1.0.39) ... Setting up liblua5.2-0:amd64 (5.2.4-1.1bulld3) ... etting up apache2-data (2.4.41-4ubuntu3.14) ... Setting up libaprutil1:amd64 (1.6.1-4ubuntu2.1) ... etting up libaprutill-1dap:amd64 (1.6.1-4ubuntu2.1) ... etting up libaprutill-dbd-sqlite3:amd64 (1.6.1-4ubuntu2.1) ... etting up apache2-utils (2.4.41-4ubuntu3.14) ... etting up apache2-bin (2.4.41-4ubuntu3.14) ... etting up apache2 (2.4,41-4ubuntu3.14) ... mabling module mpm event. mabling module authz core. nabling module authz host. nabling module autho core. nabling module auth basic. nabling module access compat. nabling module autho file. mabling module authr user. nabling module alias. nabling module dir. nabling module autoindex. nabling module env. mabling module mime. mabling module negotiation. nabling module setenvif. mabling module filter. mabling module deflate. nabling module status. nabling module reqtimeout. mabling conf charset. mabling conf localized-error-pages. nabling conf other-whosts-access-log, nabling conf serve-cgi-bin. nabling site 000-default. Treated symlink /etc/systemd/system/multi-user.target.wants/apache2.service - /lib/systemi/system/apache2.service. Treated symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service - /lib/systemd/system/apache-htcacheclean.service. rocessing triggers for systemd (245.4-4ubuntu3.22) ... rocessing triggers for man-db (2.9.1-1) ... rocessing triggers for libc-bin (2.31-Oubuntu9.9) ... /asantha@VM2:-3



































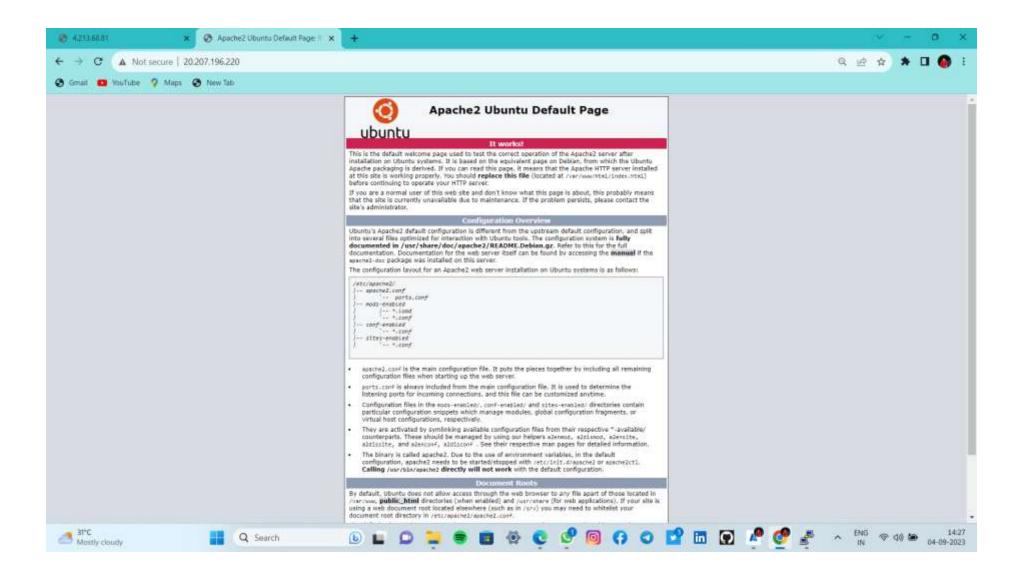


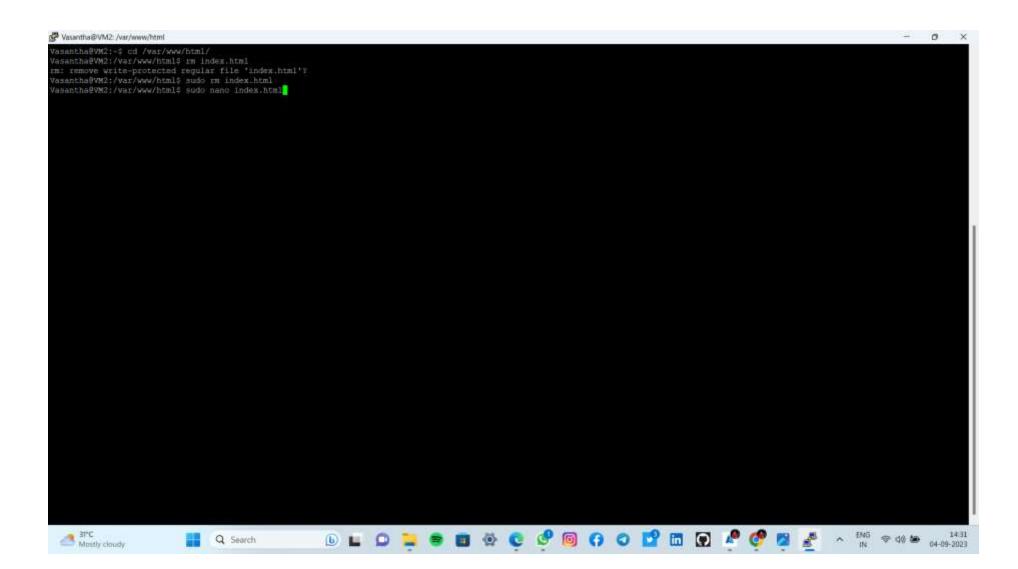


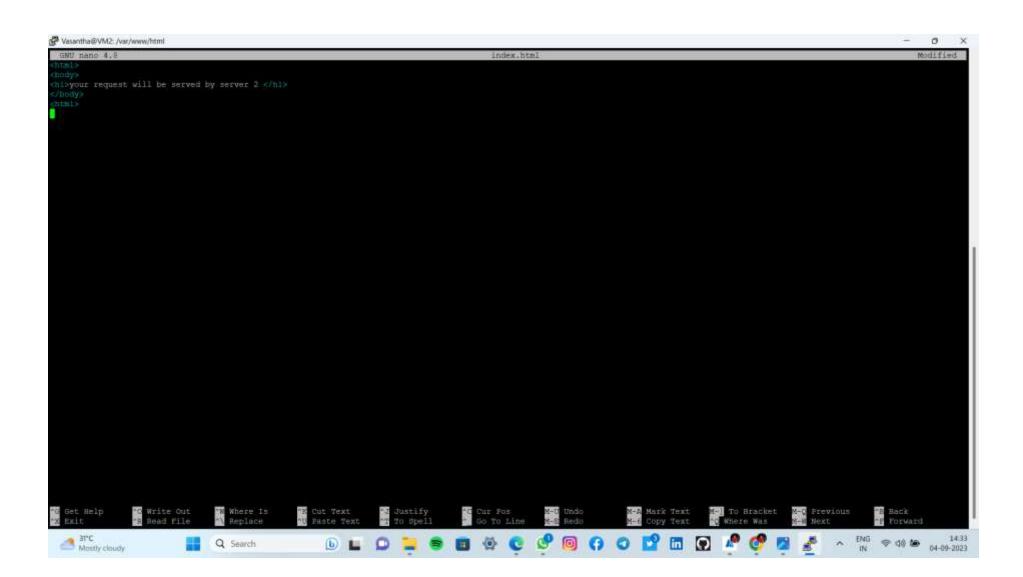


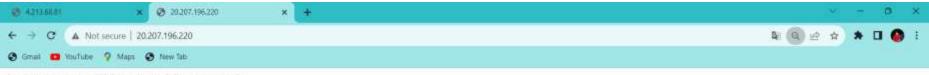








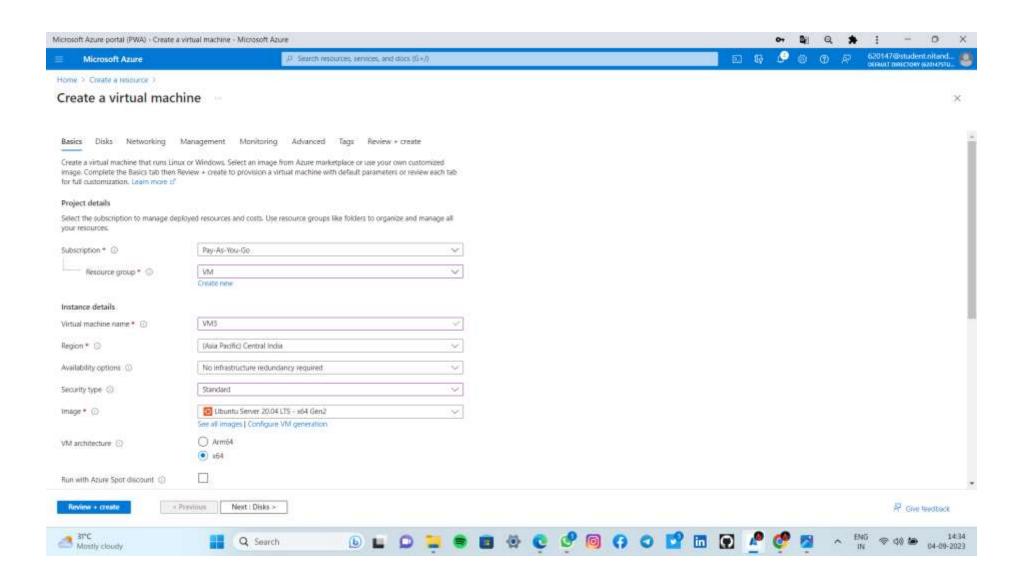


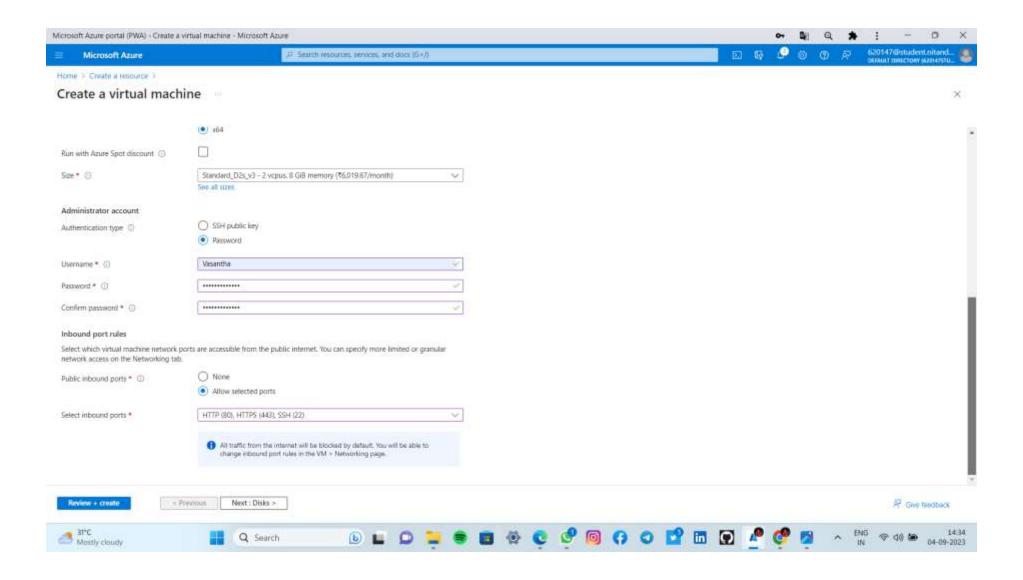


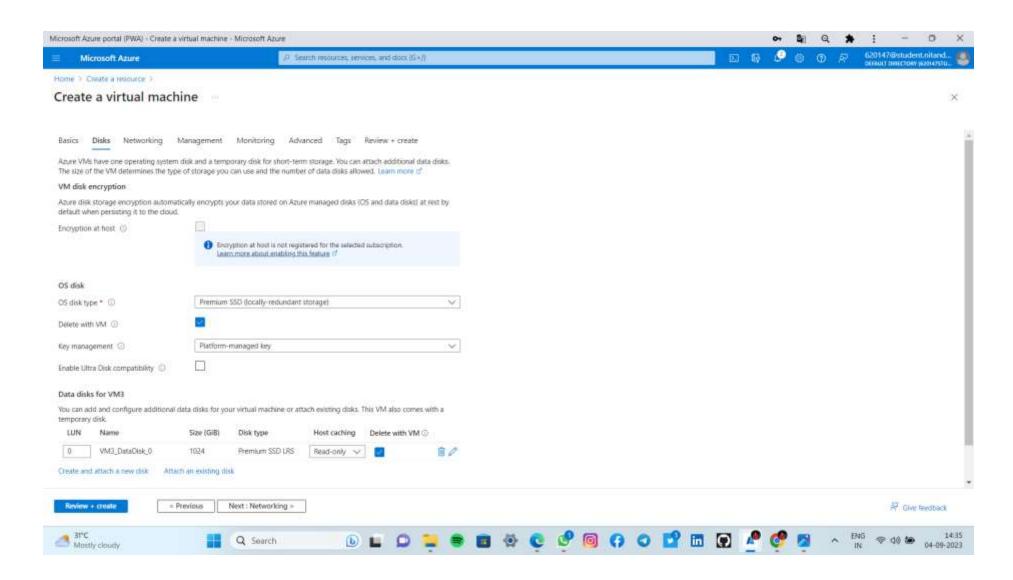
your request will be served by server 2

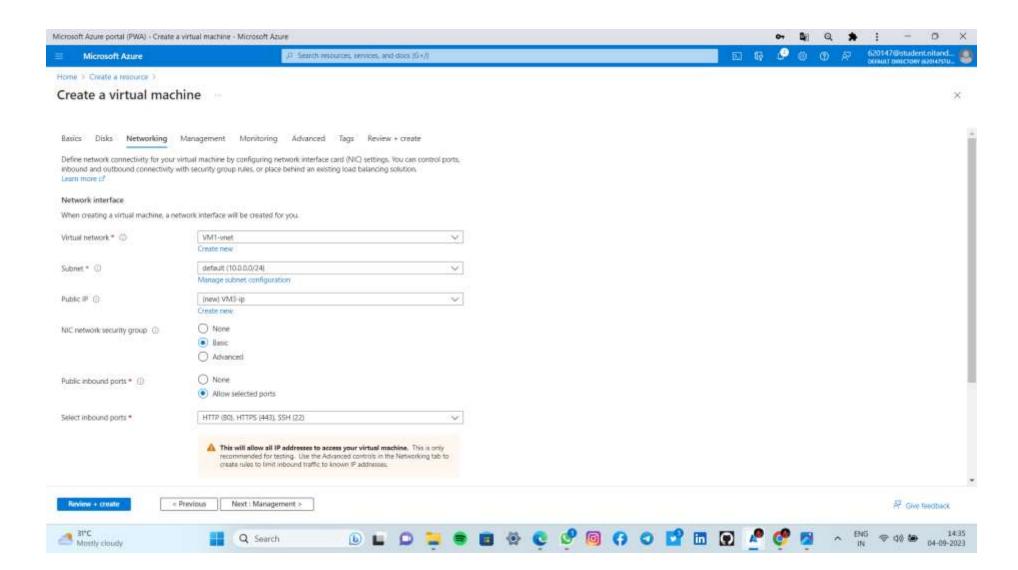


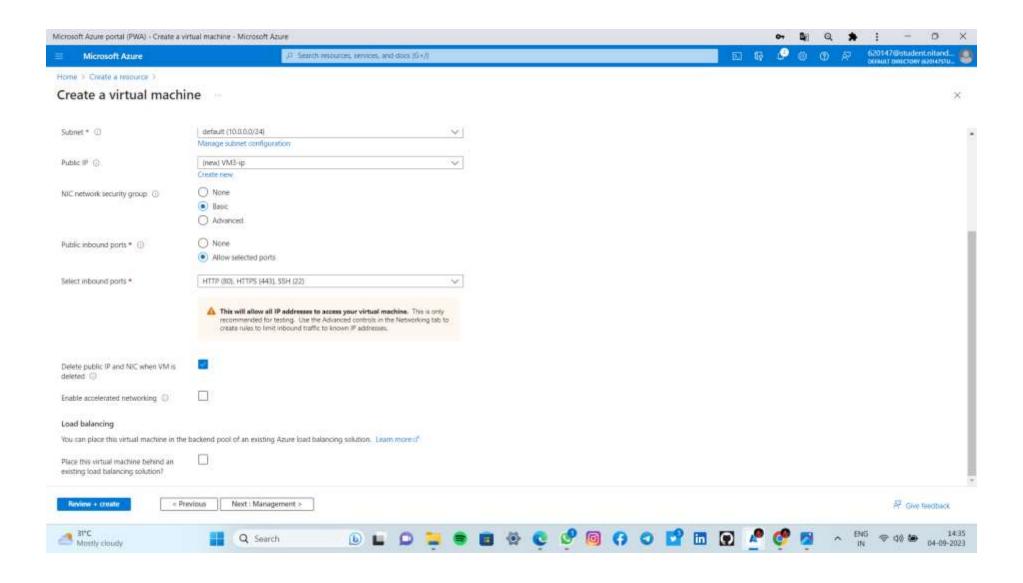
Virtual Machine-3

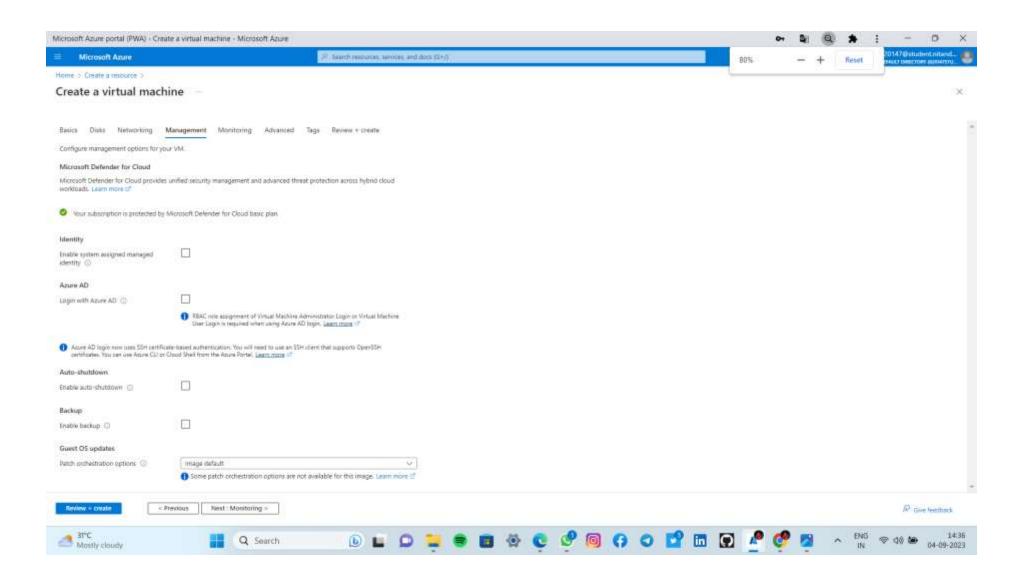


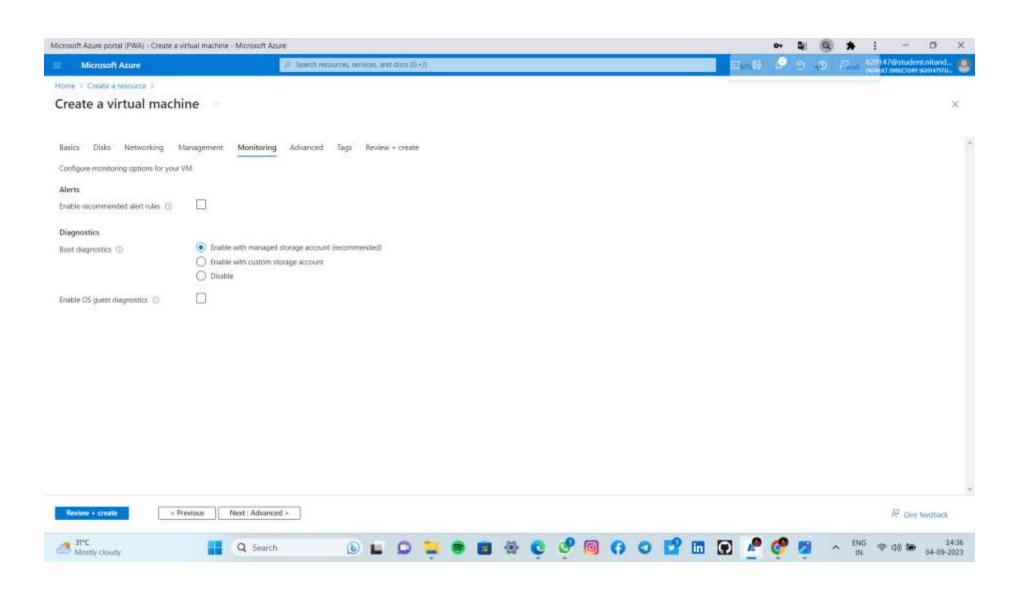


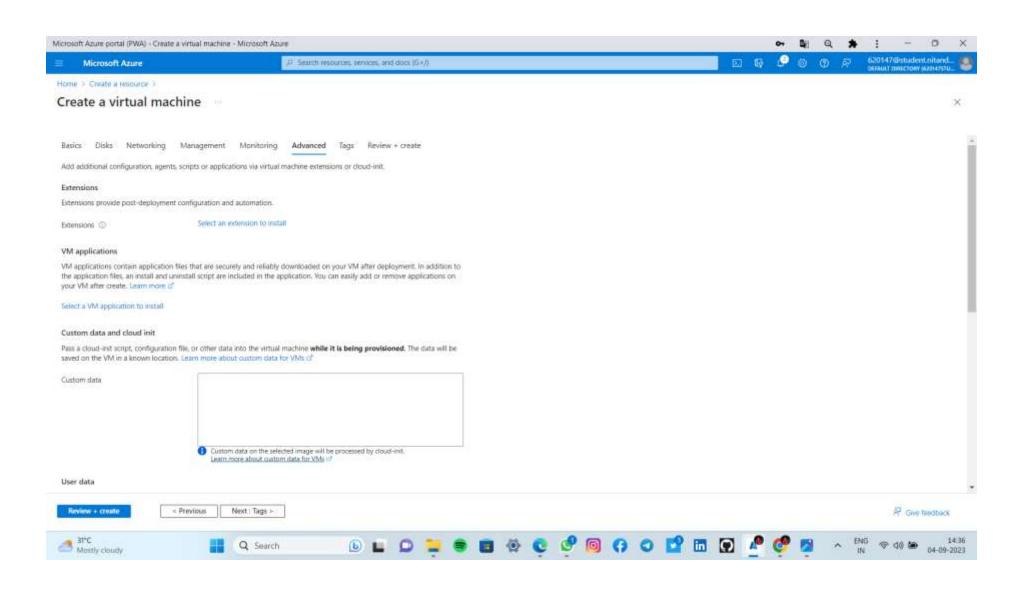


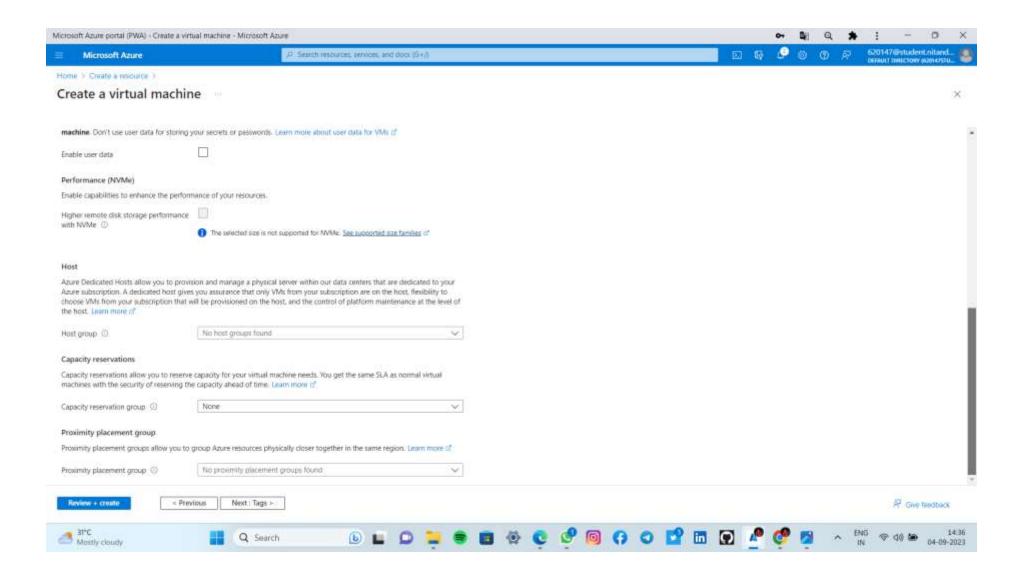


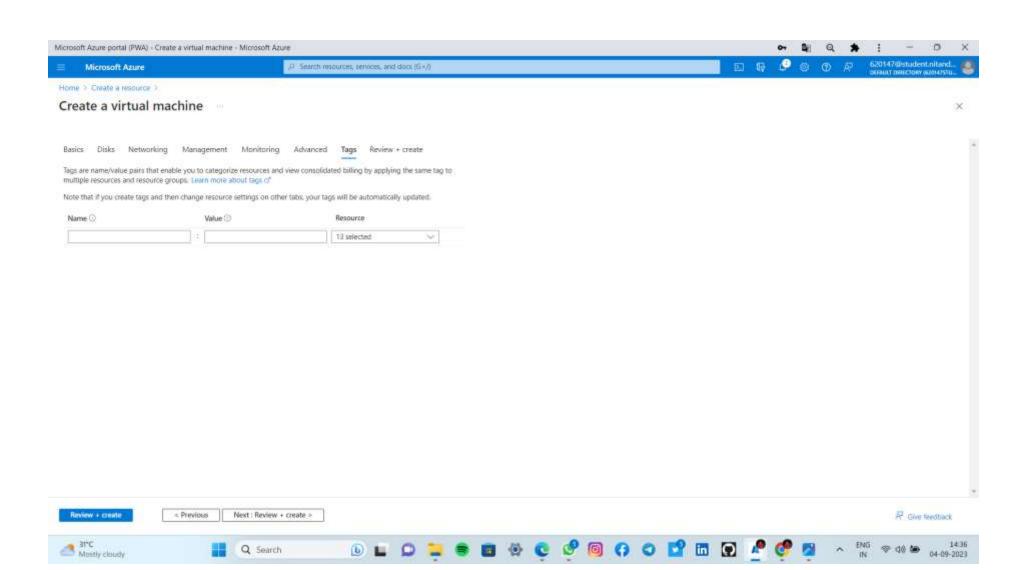


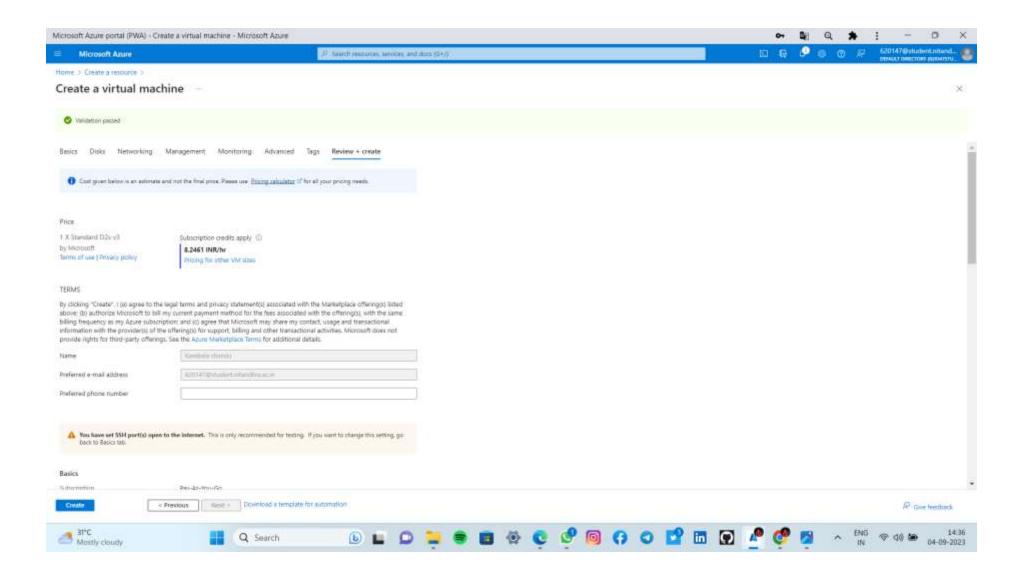


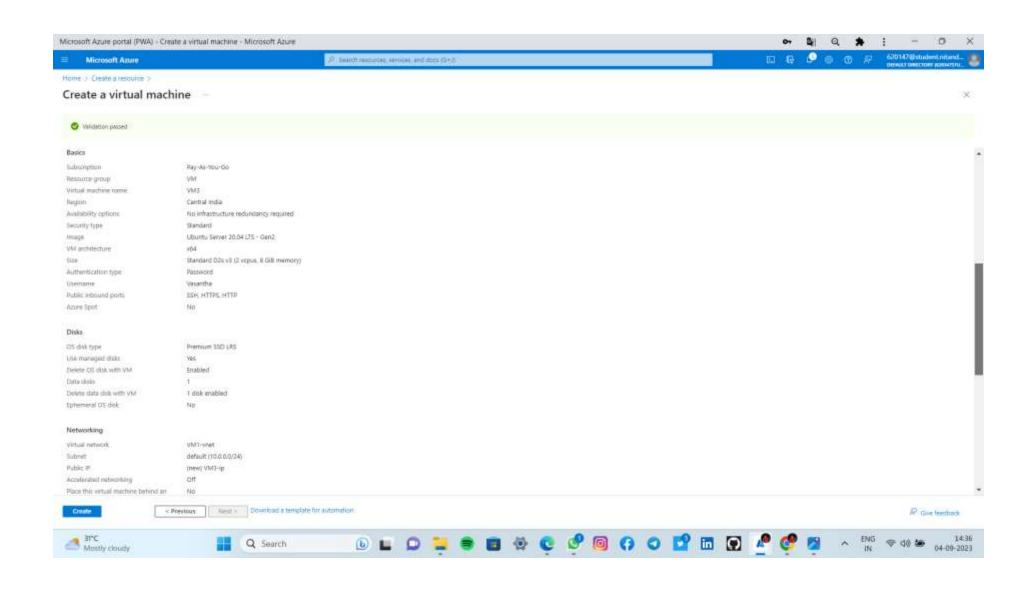


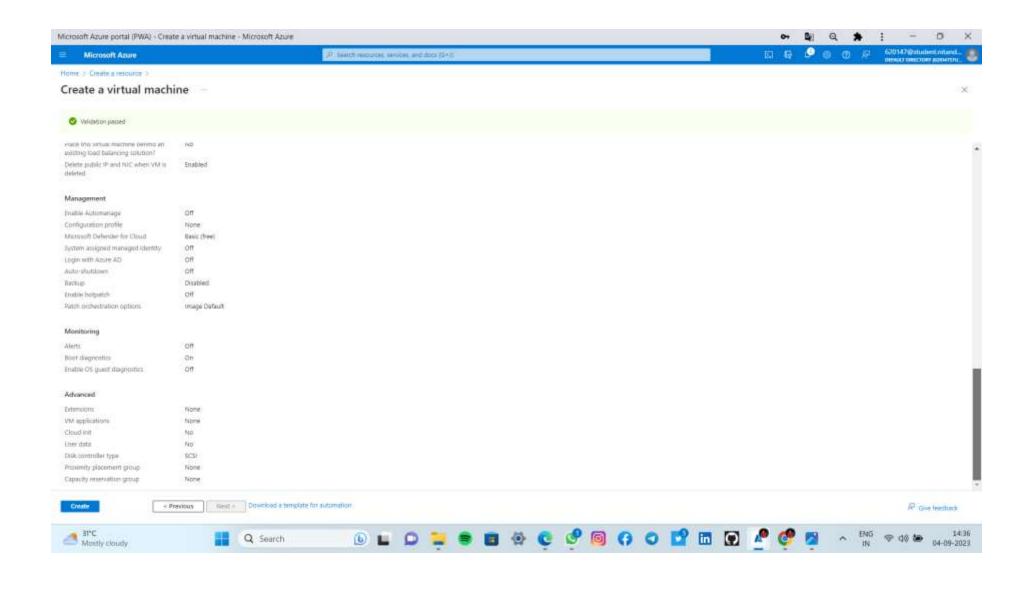


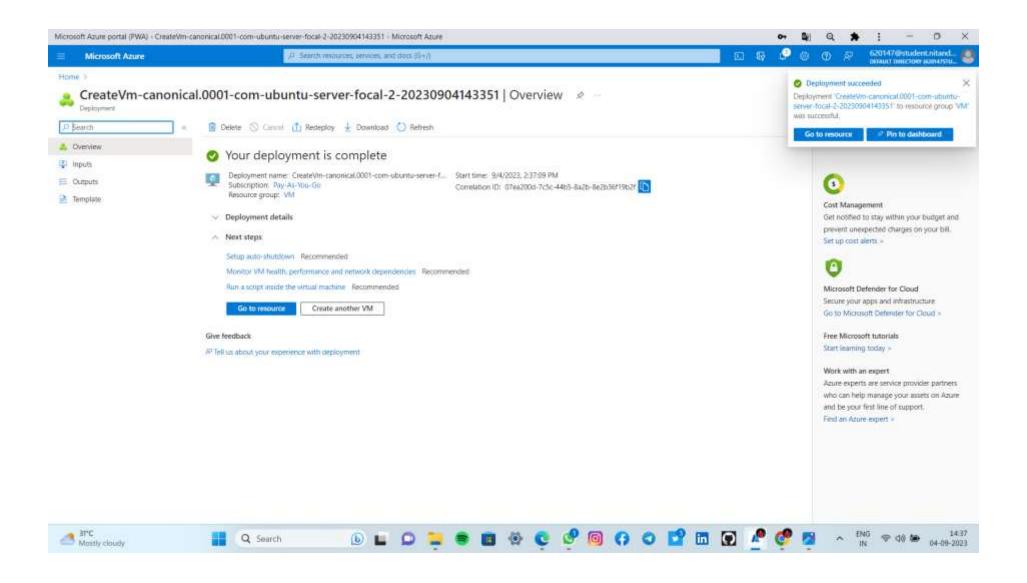


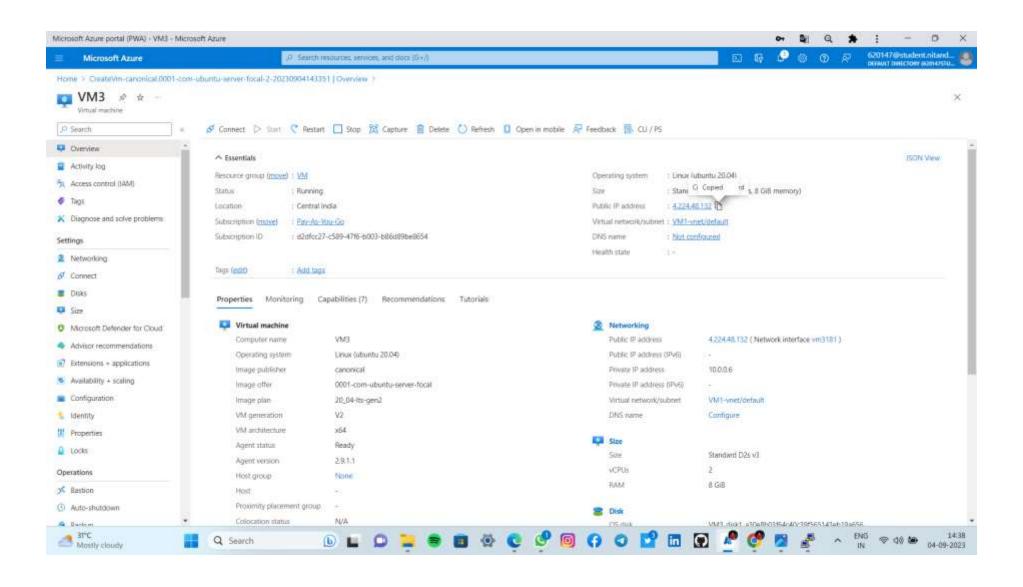


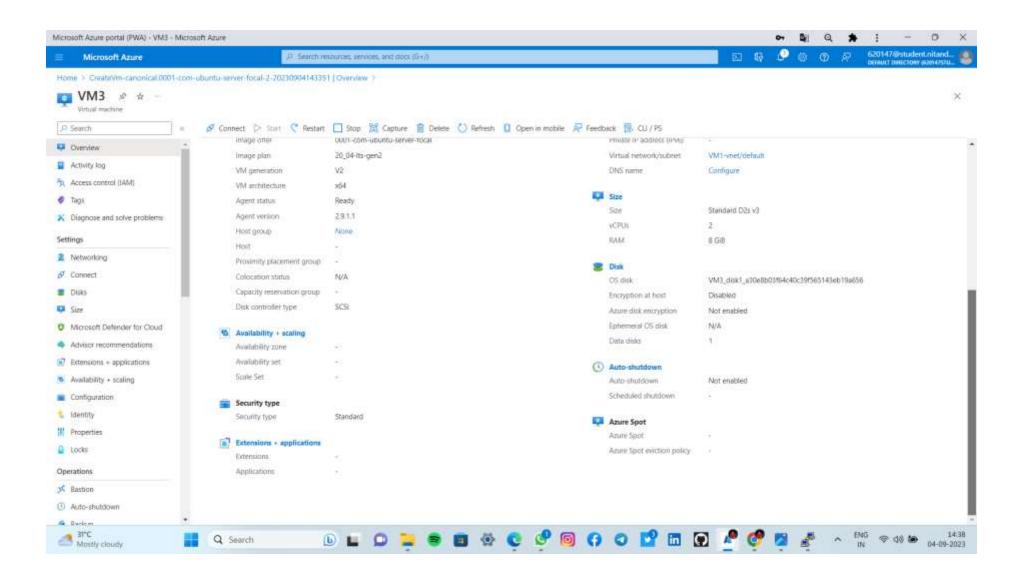


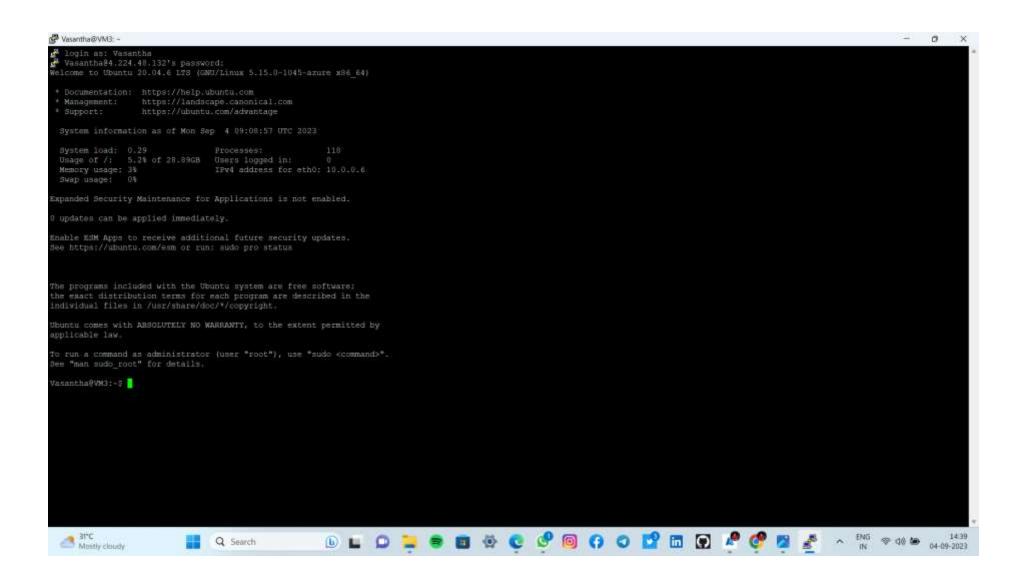
























































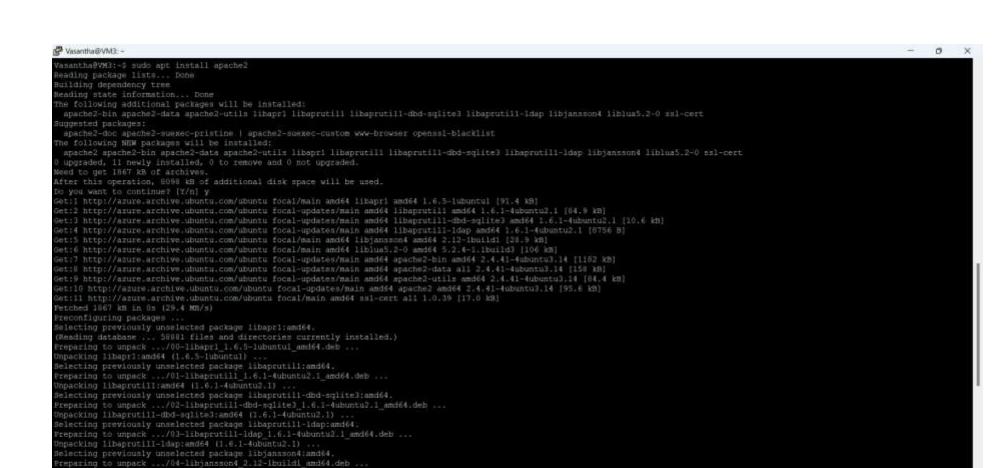








- 0 X







electing previously unselected package liblua5.2-0:amd64.

reparing to unpack .../05-liblua5.2-0 5.2.4-1.1build3 amd64.deb ...

npacking libjansson4:amd64 (2.12-lbuild1) ...

mpacking liblus5.2-0:amd64 (5.2.4-1.1bulld3) ... electing previously unselected package apache2-bin. npacking apache2-bin (2.4.41-4ubuntu3.14) ...















































Mostly cloudy

/asantha@VM3:~3

nabling site 000-default.



rocessing triggers for libc-bin (2.31-Oubuntu5.9) ...

rocessing triggers for man-db (2.9.1-1) ...









Treated symlink /etc/systemd/system/multi-user.target.wants/apache2.service - /lib/systemi/system/apache2.service.



Treated symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service - /lib/systemd/system/apache-htcacheclean.service.

























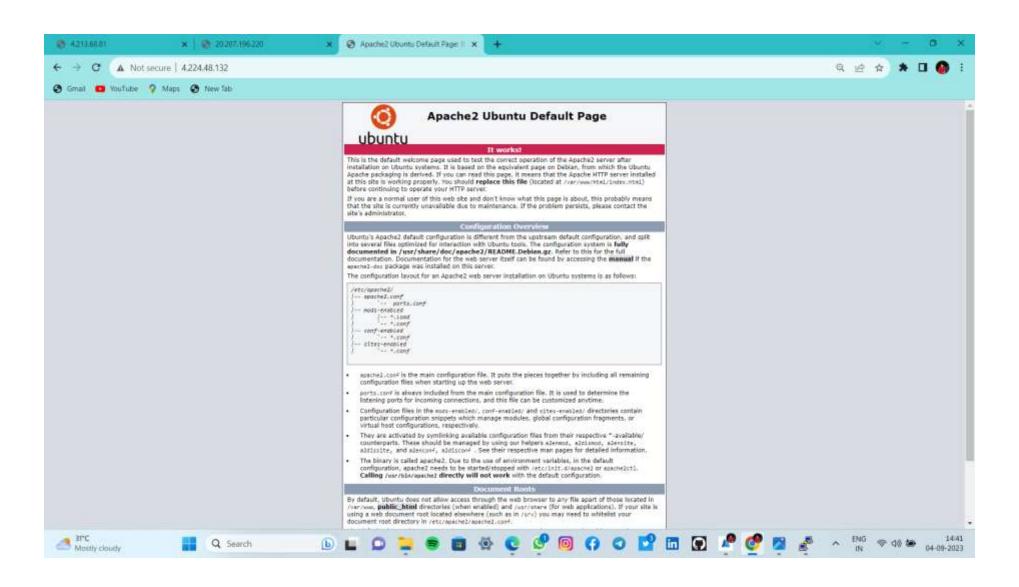


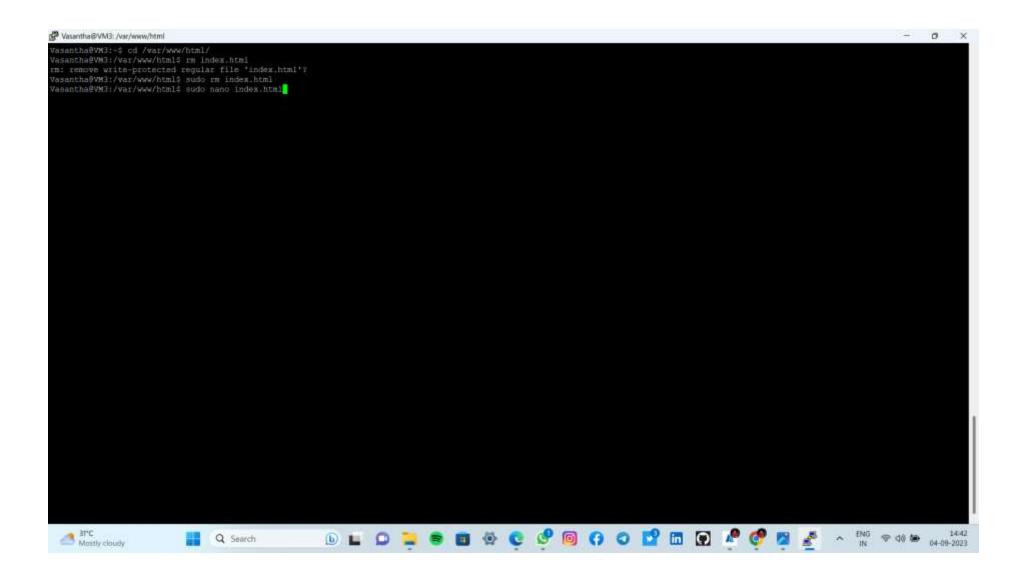


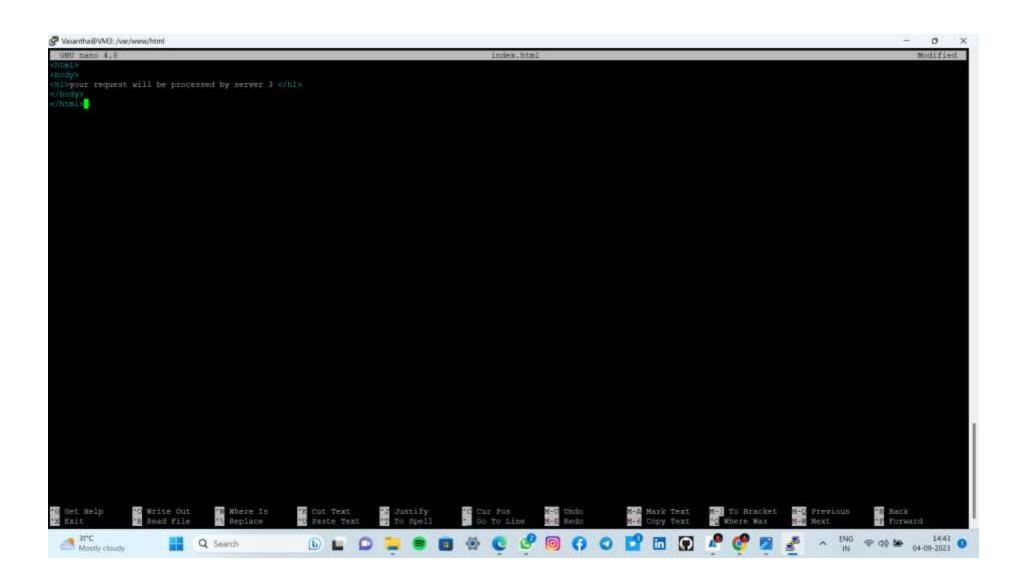










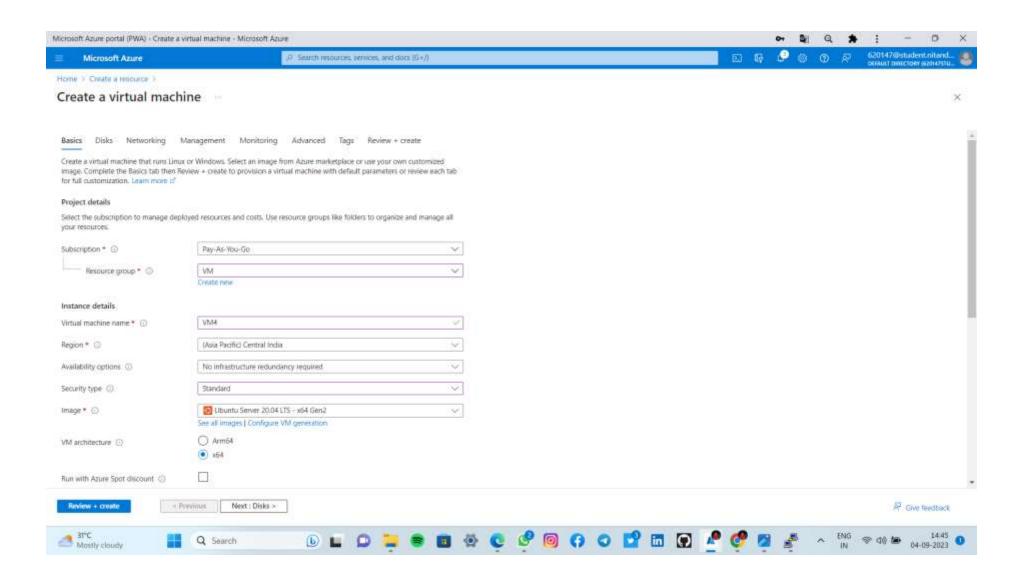


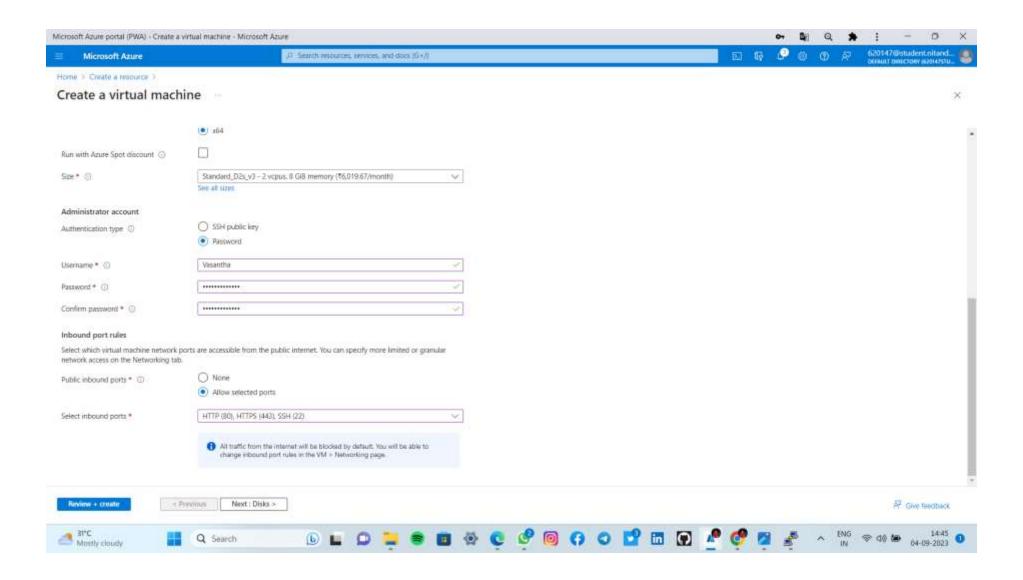


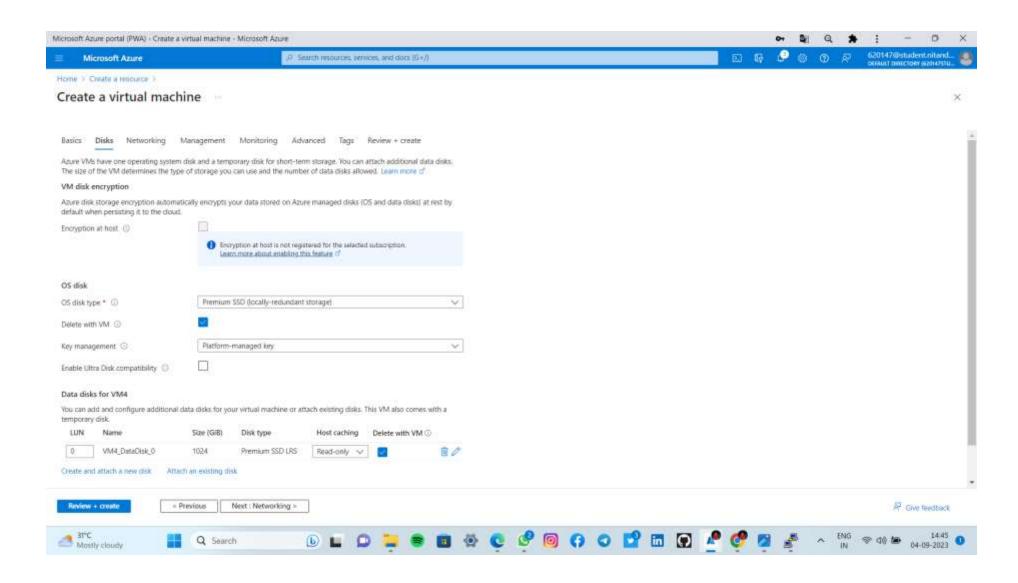
your request will be processed by server 3

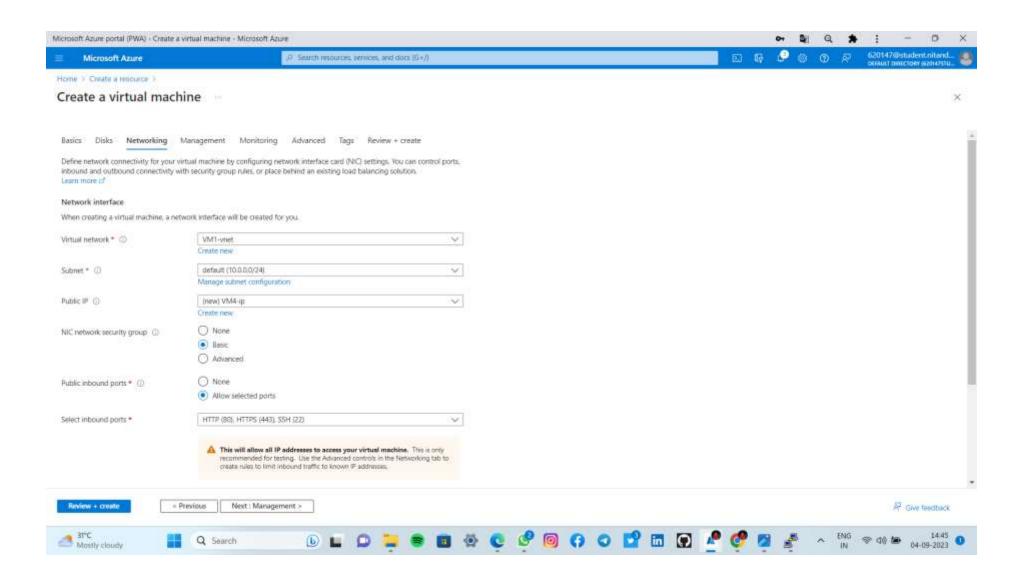


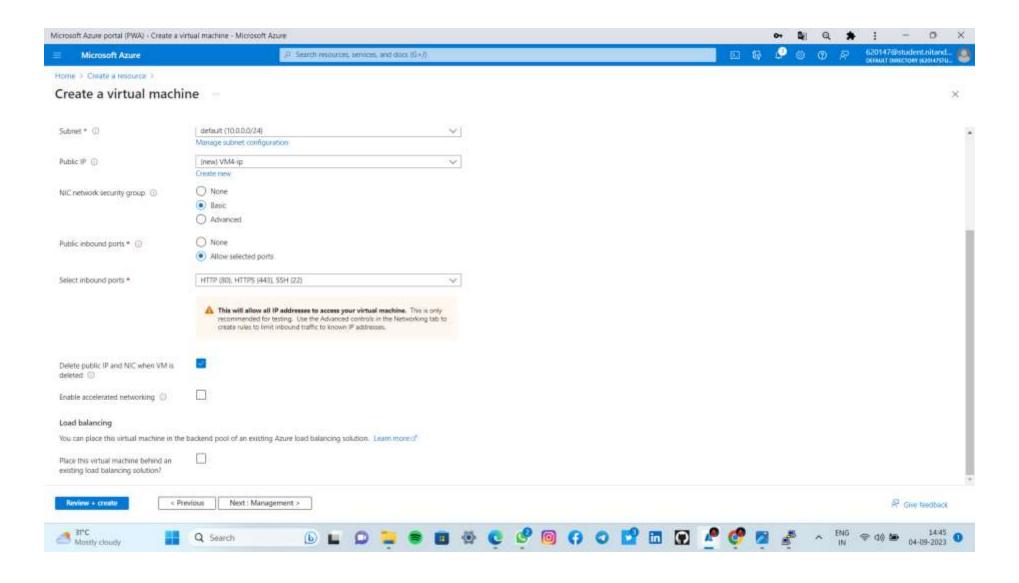
Virtual Machine-4

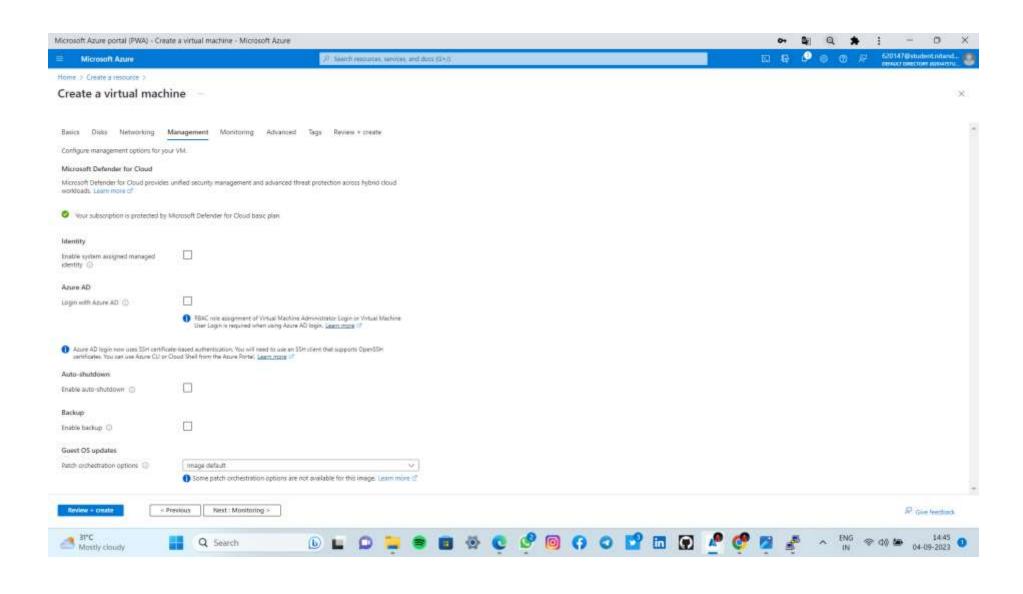


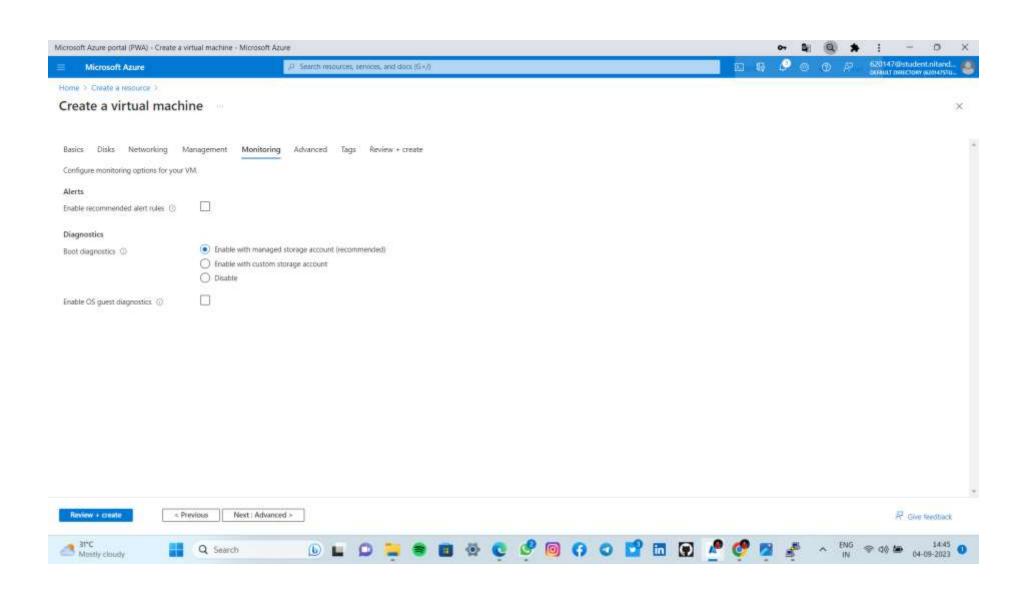


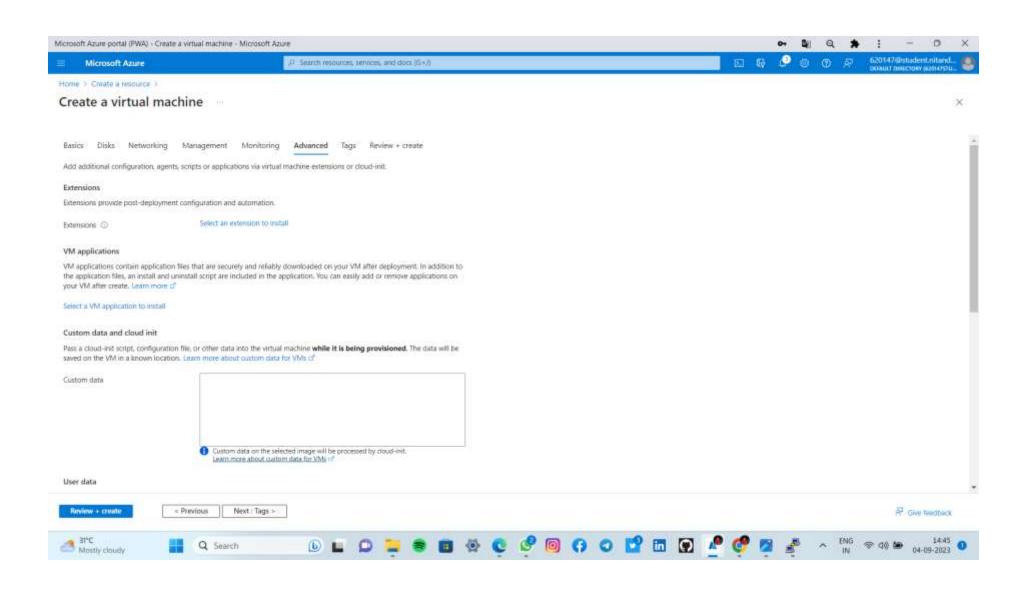


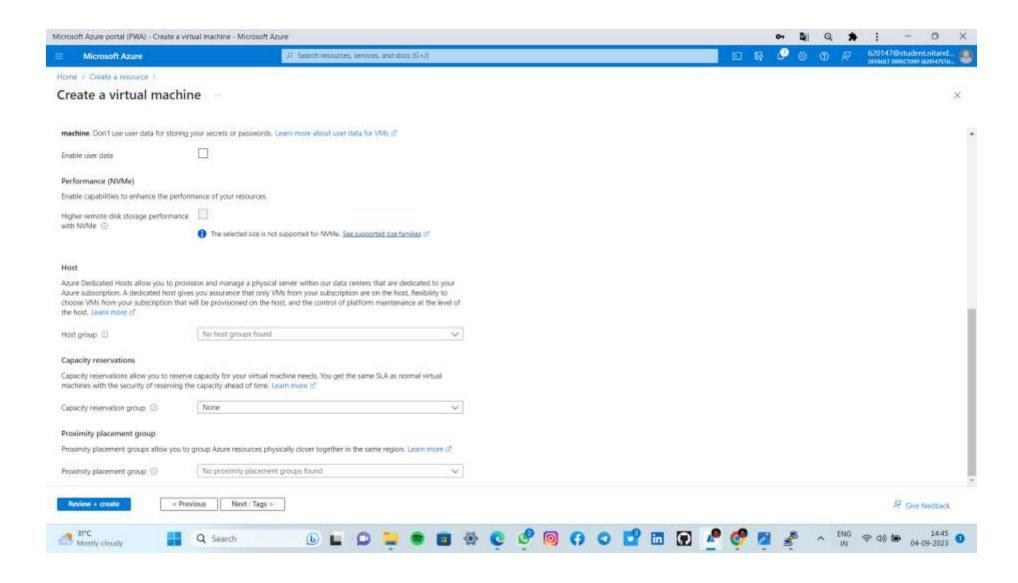


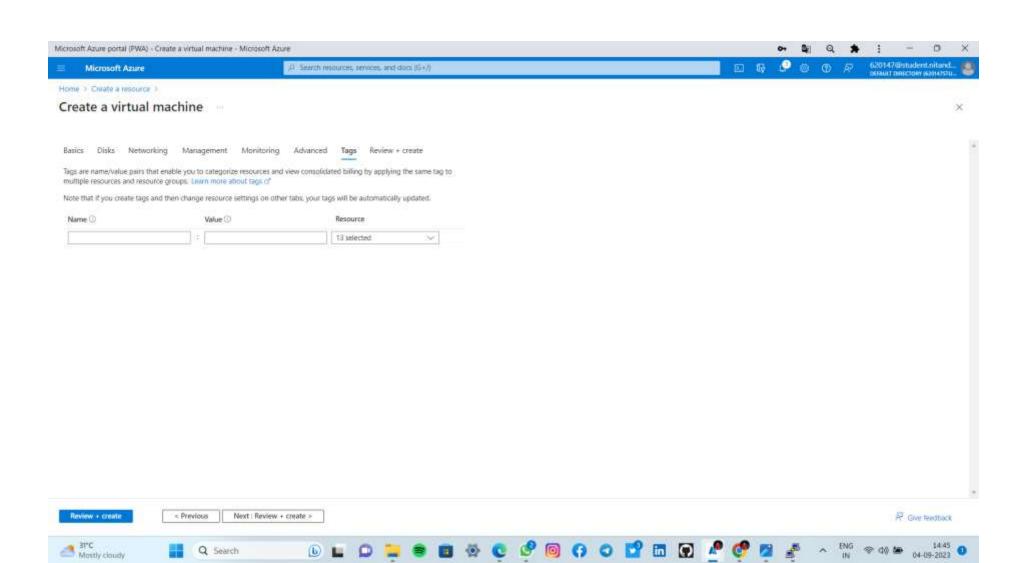


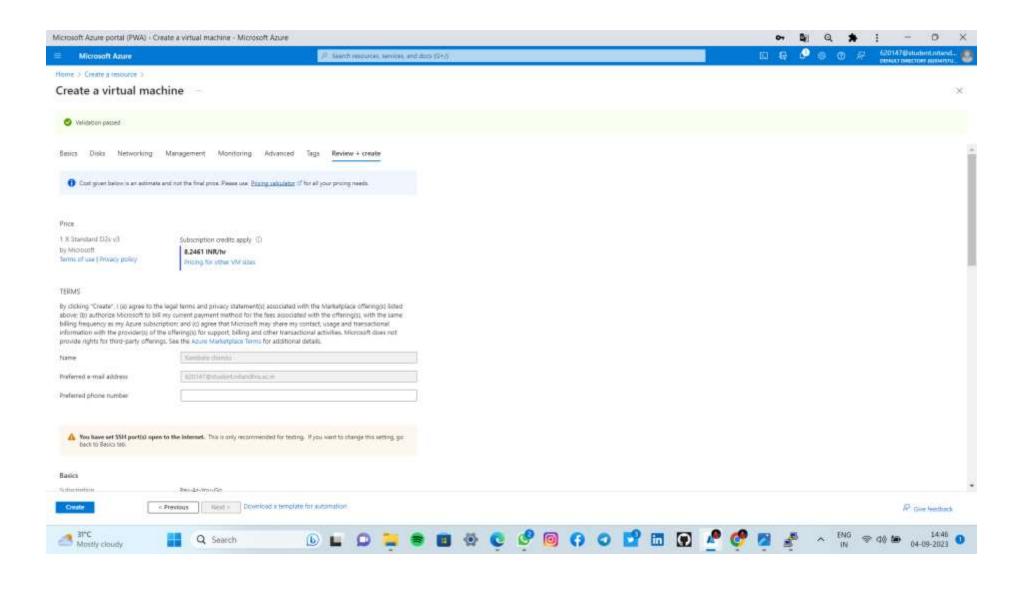


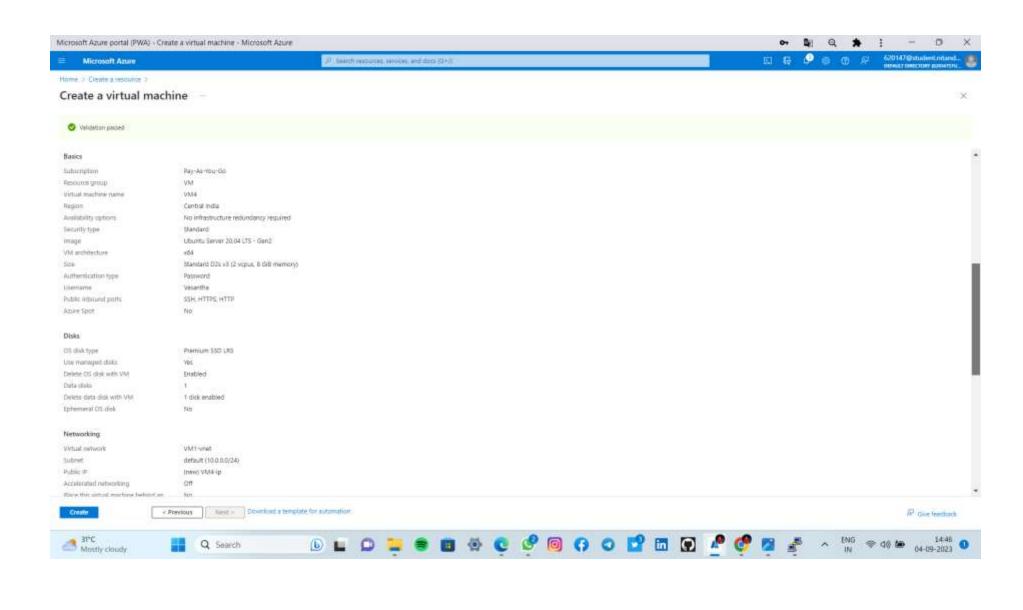


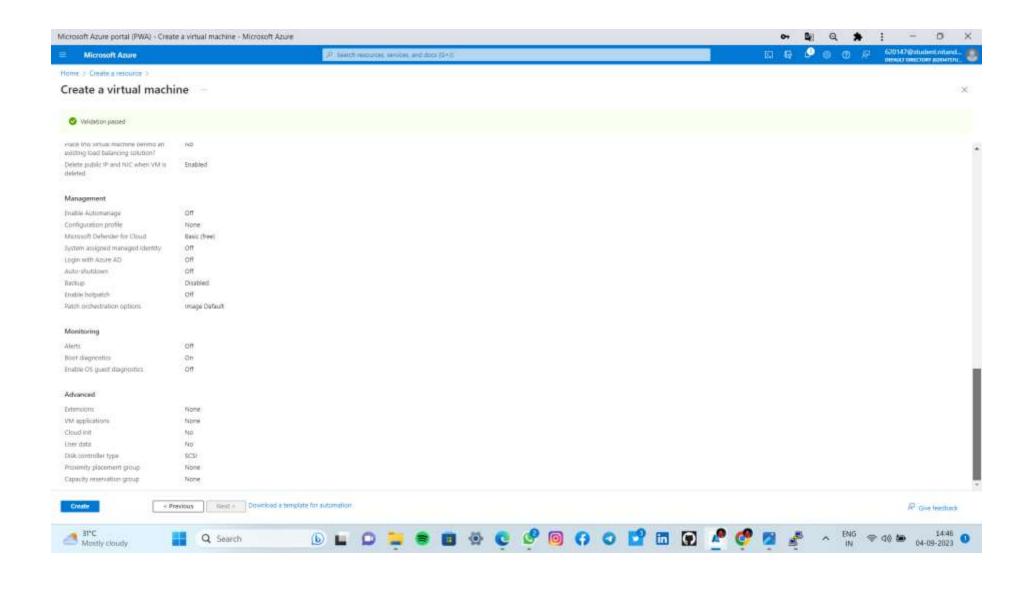


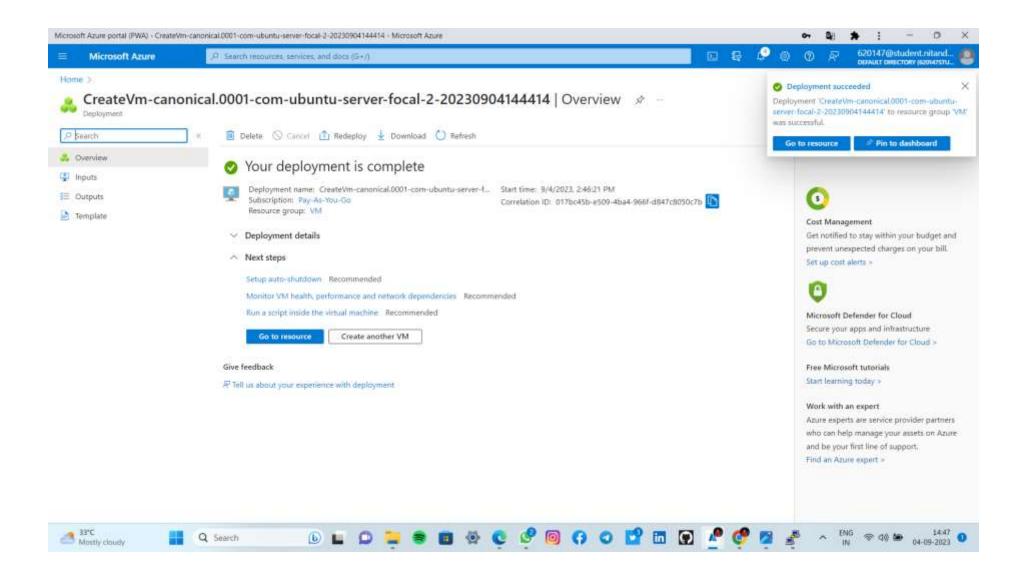


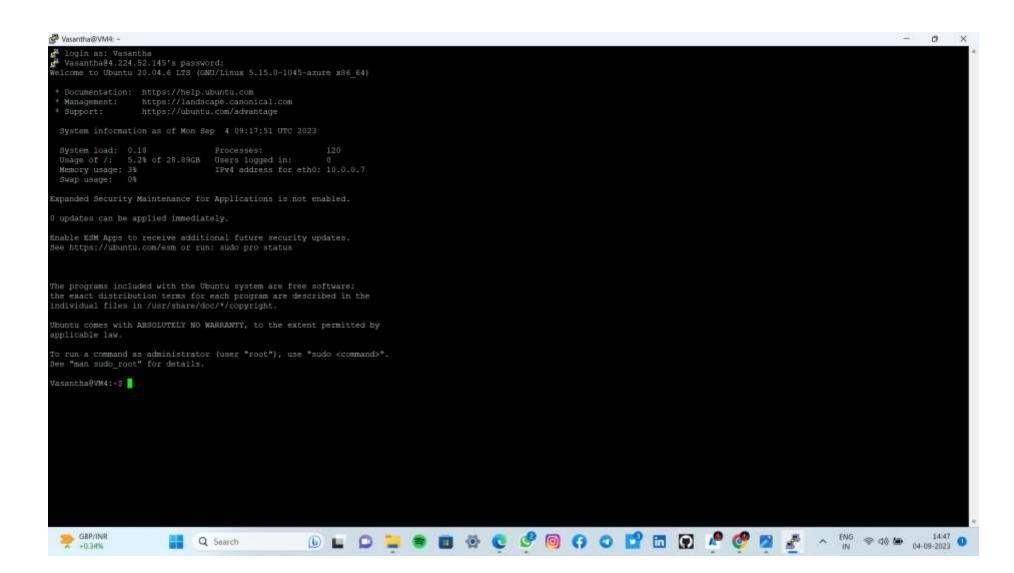




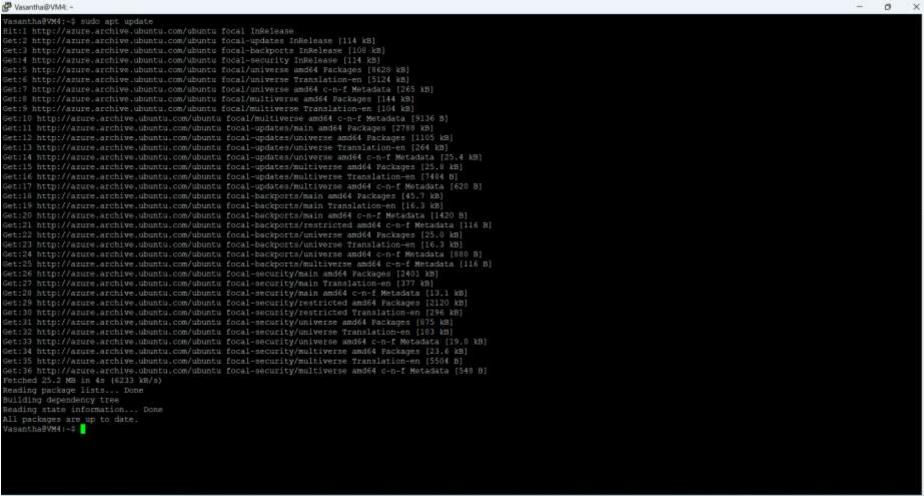




























































apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist he following NEW packages will be installed:

spache2 spache2-bin spache2-data spache2-utils libspr1 libsprutil1 libsprutil1-dbd-sqlite3 libsprutil1-ldap libjansson4 liblus5.2-0 ssl-cert upgraded, 11 newly installed, 0 to remove and 0 not upgraded.

eed to get 1867 kB of archives.

uggested packages:

After this operation, 8098 kB of additional disk space will be used.

o you want to continue? [Y/n] y et:] http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 amd64 1.6.5-lubuntul [91.4 kB]

Set:2 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutil1 amd64 1.6.1-4ubuntu2.1 [84.9 kB]

set:] http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutill-dbd-sqlite3 amd64 l.6.1-4ubuntu2.1 [10.6 km]

et:4 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutill-ldap amd64 l.6.1-4ubuntu2.1 [8756 8]

et:5 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libjansmon4 amd64 2.12-1build1 [28.9 kB]

et:6 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64 5.2.4-1.lbuild3 [106 km]

et:7 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bin amd64 2.4.41-4ubuntu3.14 [1182 kB]

et:8 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amdé4 apache2-data all 2.4.41-4ubuntu3.14 [158 k8]

set:9 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-utils amd64 2.4.41-4ubuntu3.14 [84.4 kB]

et:10 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2 amd64 2.4.41-4ubuntu3.14 [95.6 kB]

et:11 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 ssl-cert all 1.0.39 [17.0 kB]

etched 1867 kB in 0s (24.5 MB/s)

reconfiguring packages ...

selecting previously unselected package libaprl:amd64.

Reading database ... 58881 files and directories currently installed.)

reparing to unpack .../00-libaprl 1.6.5-lubuntul amd64.deb ...

mpacking libaprl:amd64 (1.6.5-lubuntul) .

electing previously unselected package libaprutil1:and64.

reparing to unpack .../01-libaprutill 1.6.1-4ubuntu2.1_amd64.deb ...

hpacking libaprutill:amd64 (1.6.1-4ubuntu2.1) ...

electing previously unselected package libaprutill-dbd-sqlite3:amd64.

reparing to unpack .../02-libaprutil1-dbd-sqlite3 1.6.1-4ubuntu2.1 amd64.deb ...

npacking libaprutill-dbd-sqlite3:amd64 (1.6.1-4ubuntu2.1) ...

electing previously unselected package libaprutill-ldap:amd64.

reparing to unpack .../03-libaprutill-ldap 1.6.1-4ubuntu2.1 amd64.deb

mpacking libaprutill-ldap;amd64 (1.6.1-4ubuntu2.1) ...

electing previously unselected package libjansson4:and64.

reparing to unpack .../04-libjansson4_2.12-lbuild1_amd64.deb ...

npacking libjansson4:amd64 (2.12-lbuild1) ...

electing previously unselected package liblua5.2-0:amd64.

reparing to unpack .../05-liblua5.2-0 5.2.4-1.1build3 amd64.deb ...

mpacking liblus5.2-0:amd64 (5.2.4-1.1bulld3) ...

electing previously unselected package apache2-bin.

npacking apache2-bin (2.4.41-4ubuntu3.14) ...



















































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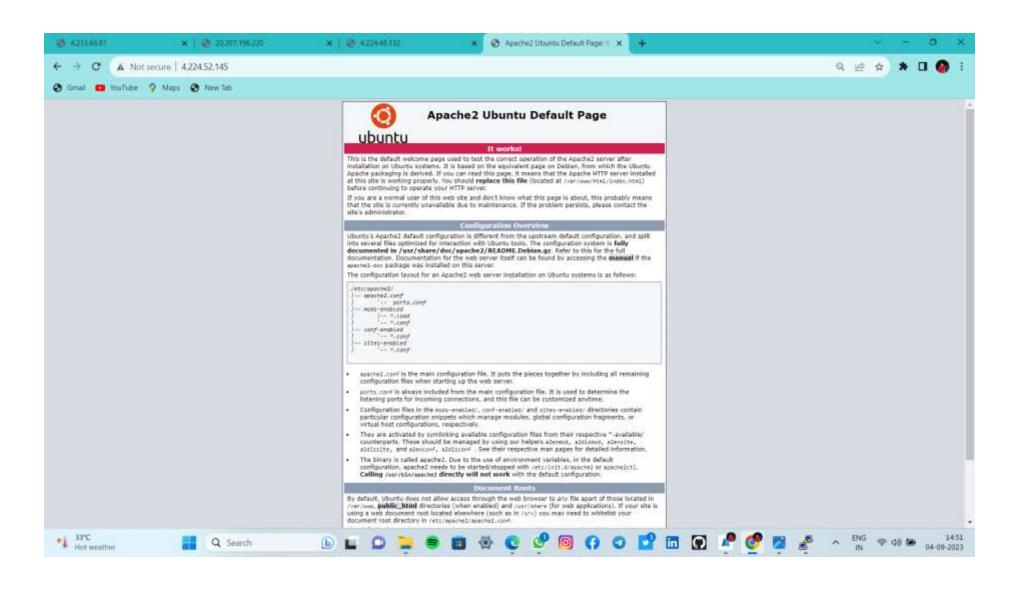


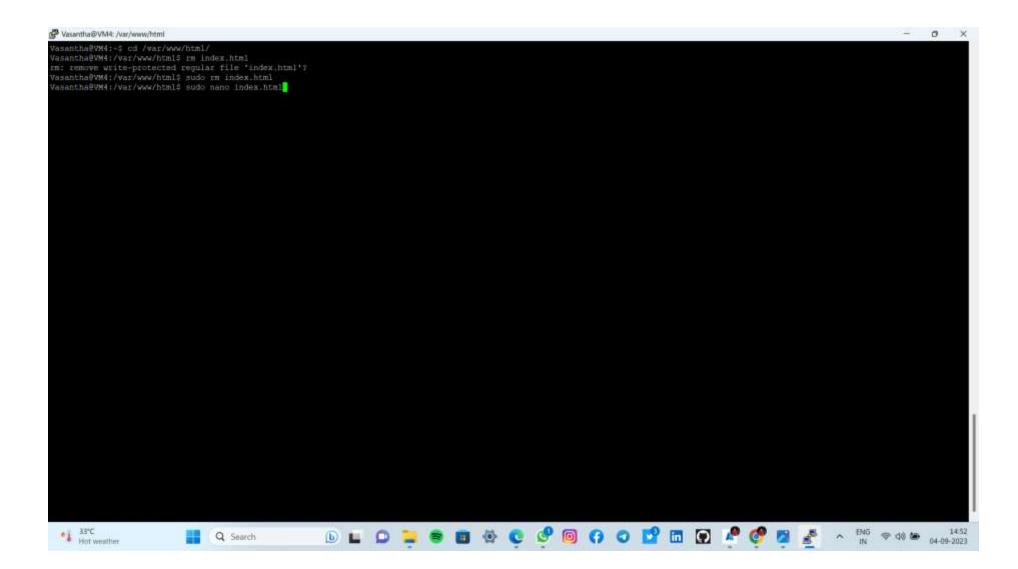


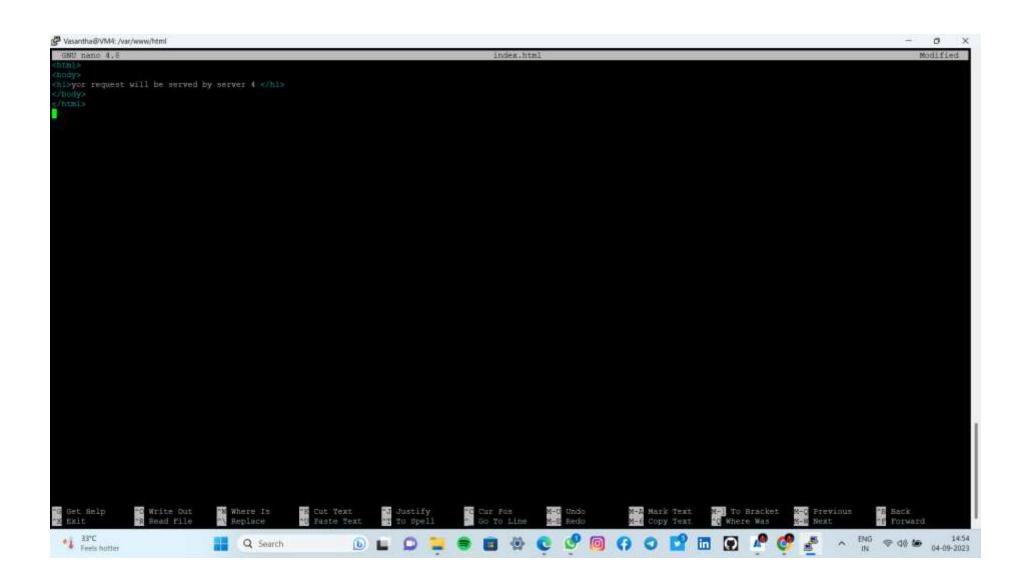










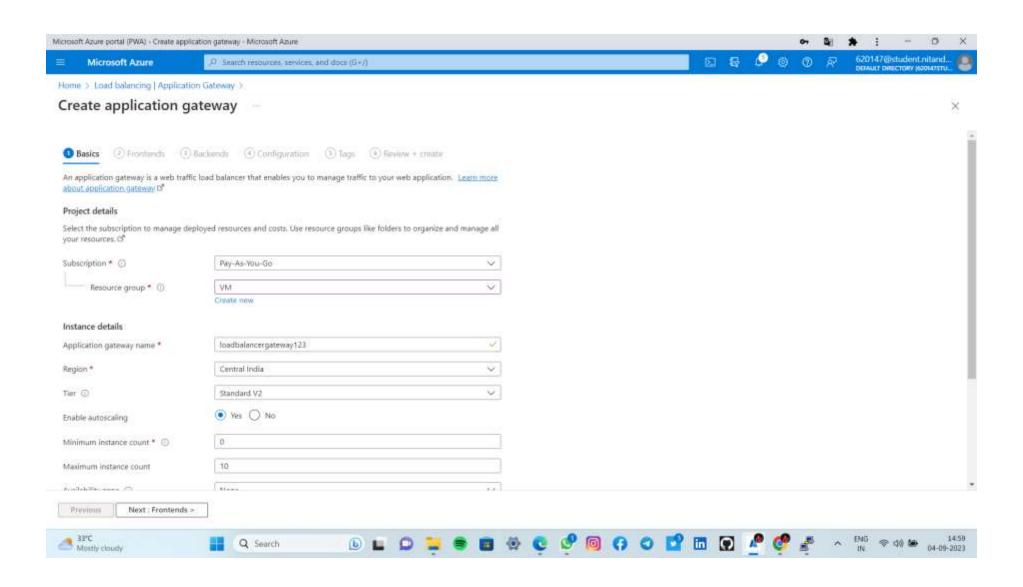


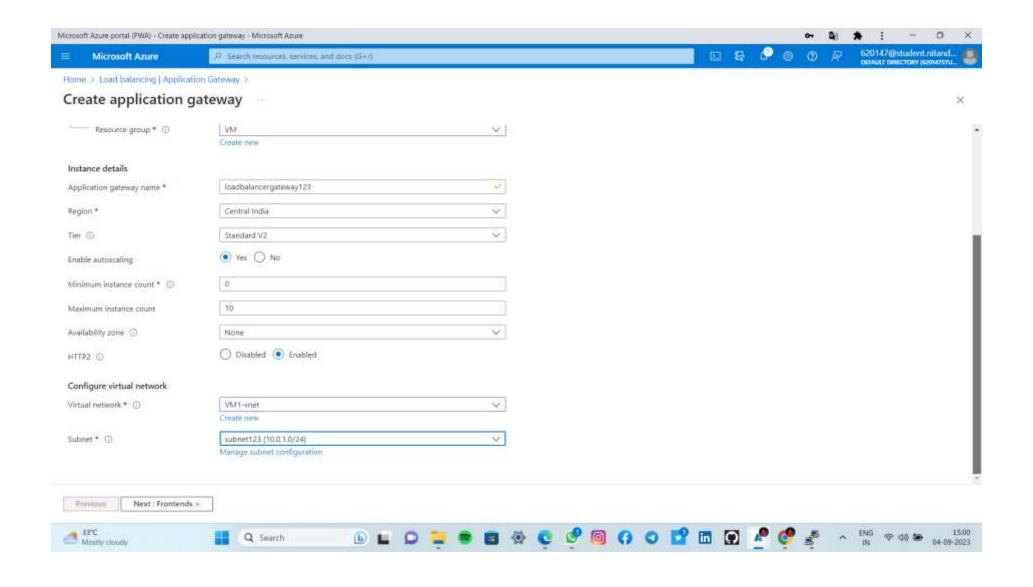


yor request will be served by server 4



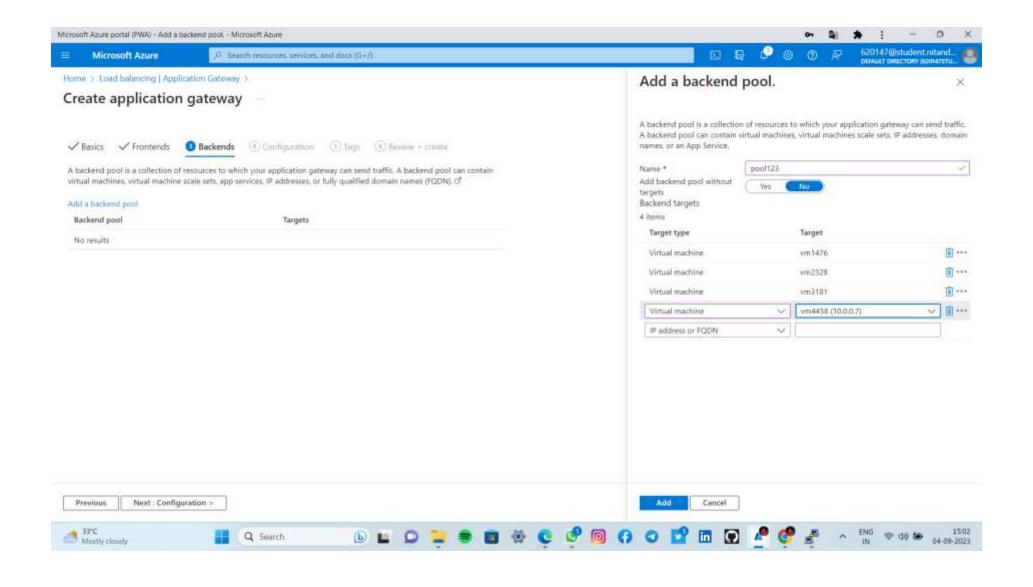
Application Gateway

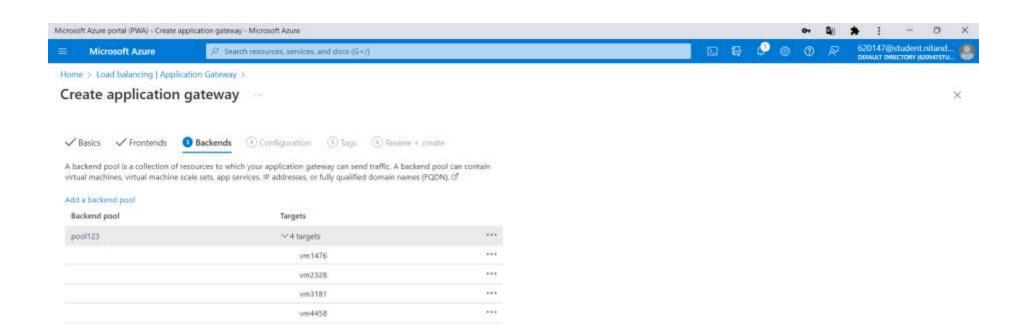




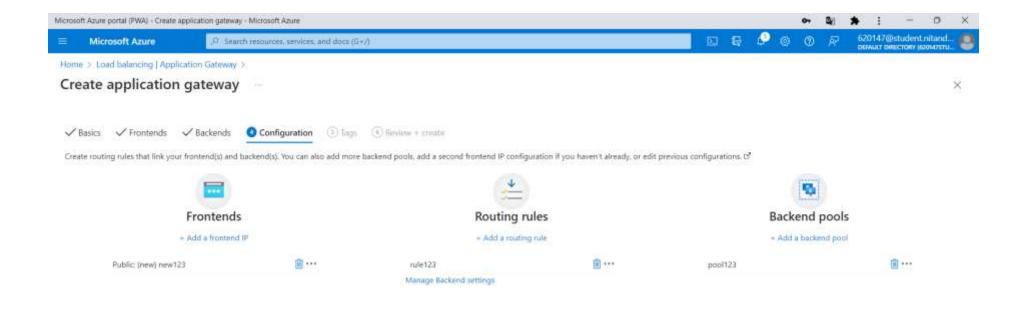




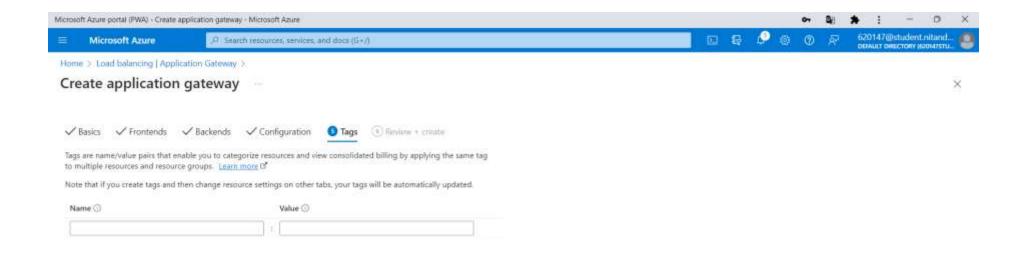




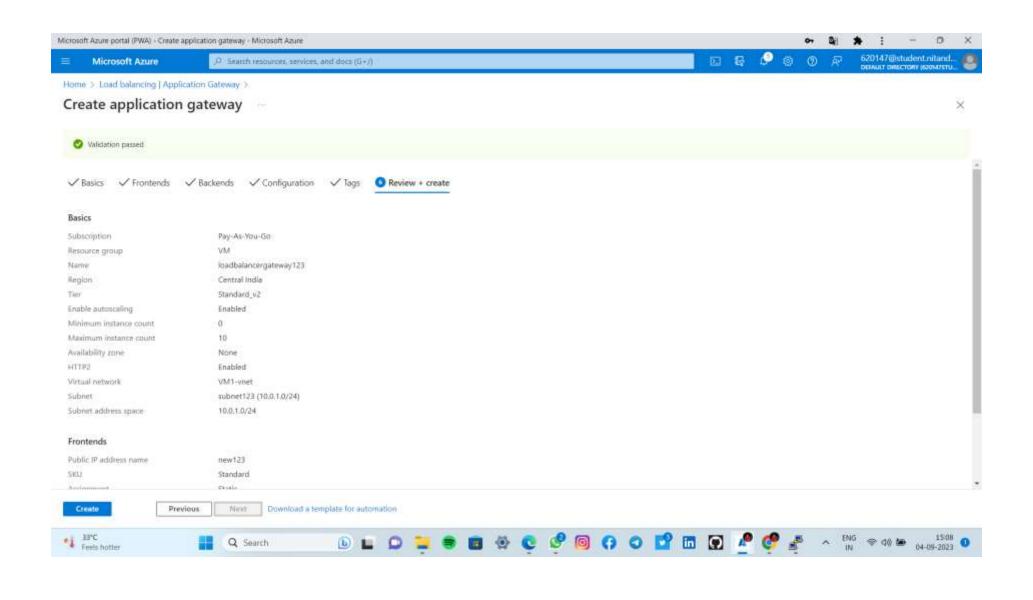


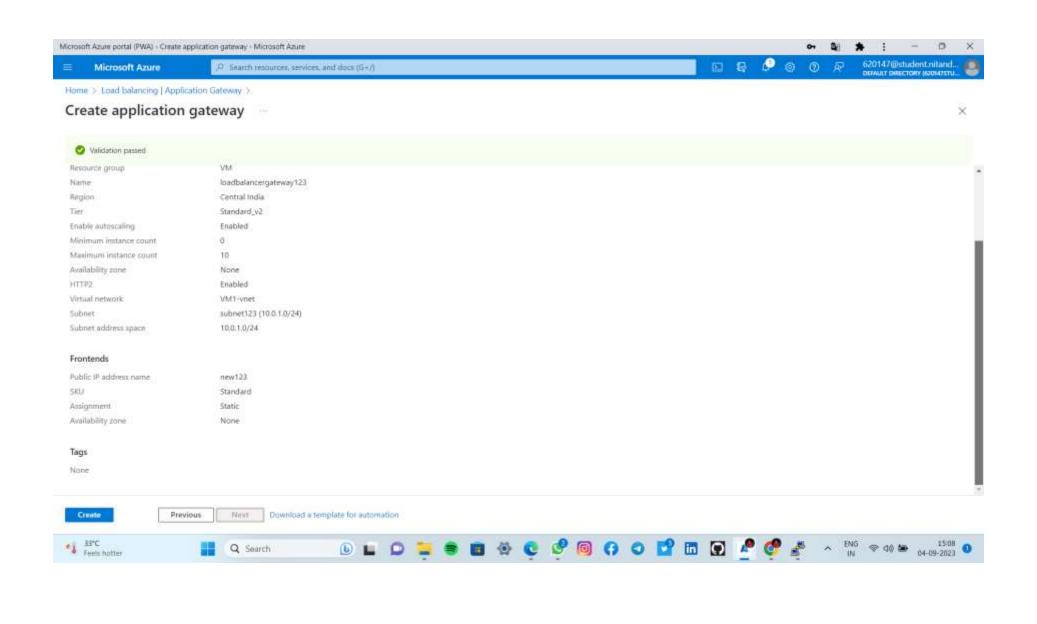


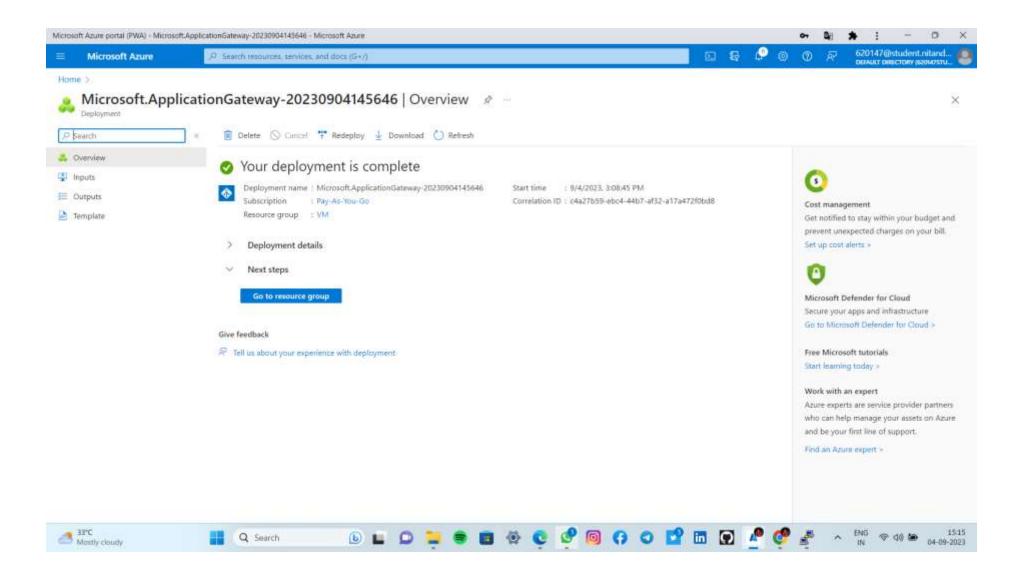


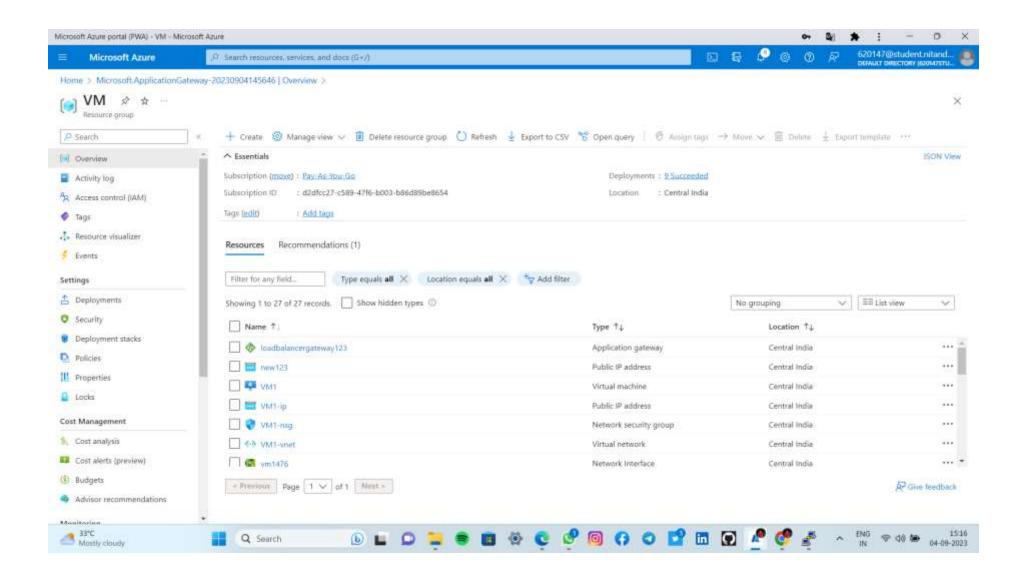




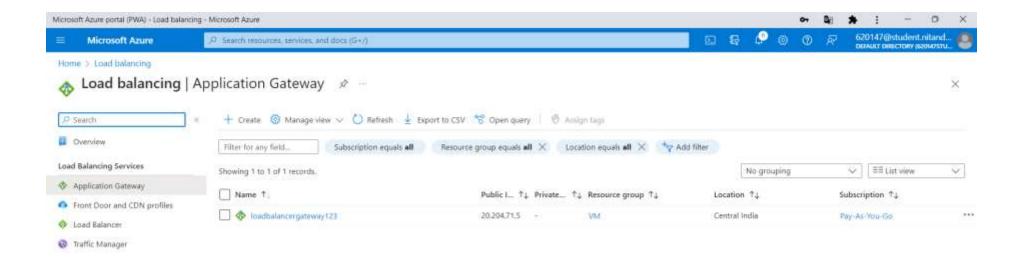








Load Balancing







your request will be served by server 1





your request will be served by server 2





your request will be processed by server 3





yor request will be served by server 4

