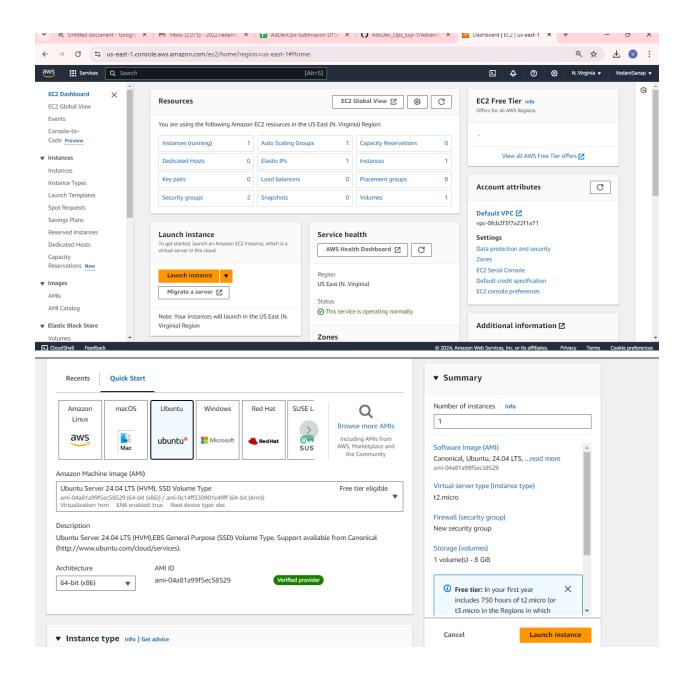
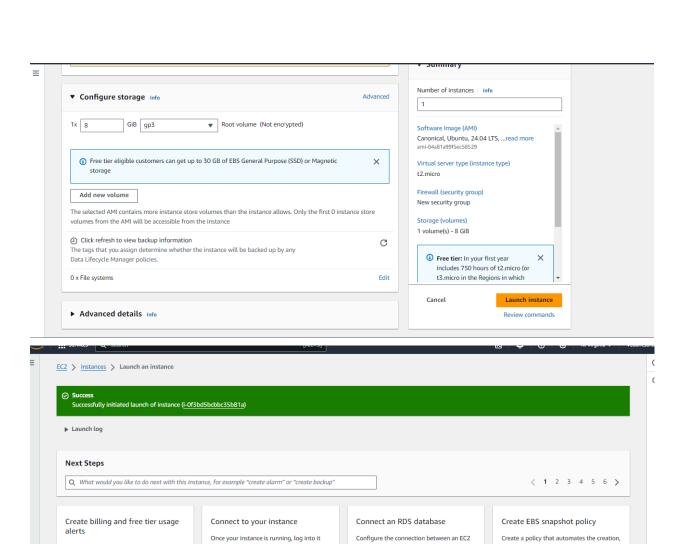
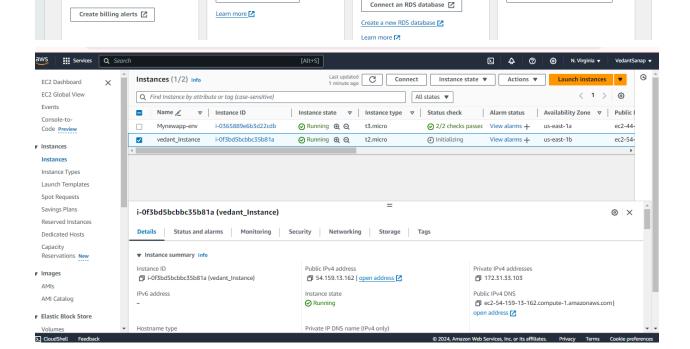
Experiment 01

a) To develop a website and host it on your local machine on a VM







instance and a database to allow traffic

flow between them.

retention, and deletion of EBS snapshots

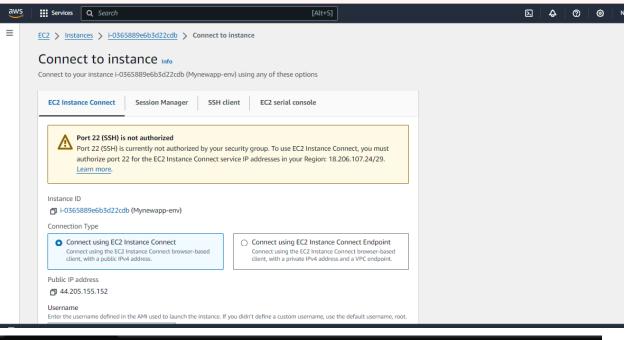
Create EBS snapshot policy 🔼

To manage costs and avoid surprise bills, set up email notifications for billing and

free tier usage thresholds.

from your local computer.

Connect to instance 🔼



```
whuntumin-17-11-6-30:-5 sudo apt update && sudo apt upgrade -y
Hit: http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble InRelease
Get: 2 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates InRelease [126 kB]
Get: 3 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-backports InRelease [126 kB]
Get: 4 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-backports InRelease [126 kB]
Get: 5 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-backports InRelease [126 kB]
Get: 6 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-winiverse and64 Components [3871 kB]
Get: 7 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/universe and64 Components [3871 kB]
Get: 8 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/universe and64 Components [3871 kB]
Get: 8 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/universe and64 Components [3871 kB]
Get: 10 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/universe and64 Components [3872 kB]
Get: 10 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/sultiverse and64 Components [3872 kB]
Get: 11 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/sultiverse and64 Components [3872 kB]
Get: 12 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble/sultiverse and64 Components [3872 kB]
Get: 13 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/ania nod64 Components [3872 kB]
Get: 14 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/ania nod64 Components [3872 kB]
Get: 15 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/universe and64 Components [3872 kB]
Get: 16 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/universe and64 Components [3872 kB]
Get: 17 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/universe and64 Components [3872 kB]
Get: 18 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/universe and64 Components [3872 kB]
Get: 19 http://ap-south-1.ec2.archive.ubuntu.cos/ubuntu noble-updates/universe and64 Components [3872 kB]
Get: 20 http://ap-south-1.ec2.archi
```

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu0ip-172-31-6-34:-$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Do
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif
Enabling module filter.
Enabling module deflate
Enabling module status.
Enabling module reqtimeout
Enabling conf charset.
Enabling conf localized-error-pages
Enabling conf other-vhosts-access-log
Enabling conf security.
Enabling conf serve-cgi-bin
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.mants/apache2.service + /usr/lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.mants/apache-htcacheclean.service -> /usr/lib/systemd/system/apache-htcacheclean
 service.
Processing triggers for ufw (0.36.2-6)
Processing triggers for man-db (2.12.0-4build2) ..
Processing triggers for libc-bin (2.39-0ubuntu8.2)
Scanning processes...
Scanning candidates...
Scanning linux images..
Pending kernel upgrade!
```

```
*** System restart required ***
Last login: Mon Aug 5 14:53:58 2024 from 152.58.43.204
ubuntu@ip=172-31-6-34:*$ sudo mv /home/ubuntu/index.html /var/wnw/html/
ubuntu@ip=172-31-6-34:*$ sudo chown -R wnw-data:nwm-data /var/wnw/html
ubuntu@ip=172-31-6-34:*$ sudo nano /etc/apache2/sites-available/000-default.conf
ubuntu@ip=172-31-6-34:*$ sudo a2ensite 000-default.conf
ubuntuBip-172-31-6-30:-$ sudo aZensite 000-default.conf
Site 000-default already enabled
ubuntuBip-172-31-6-30:-$ sudo systemetl restart apache2
ubuntuBip-172-31-6-30:-$ sudo apt install certbot python3-certbot-apache
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
augeas-lenses libaugeas0 python3-acme python3-augeas
python3-certbot python3-configargparse python3-icu
python3-josepy python3-parsedatetime python3-rfc3339
Supposted packages:
   python3-josepy python3-parseoacetime python3-rec339
Suggested packages:
augeas-doc python-certbot-doc python3-certbot-nginx
augeas-tools python-acme-doc python-certbot-apache-doc
The following NEW packages will be installed:
augeas-lenses certbot libaugeas0 python3-acme python3-augeas
python3-certbot python3-certbot-apache
Unpacking python3-parsedatetime (2.6-3) ...

Selecting previously unselected package python3-certbot.

Preparing to unpack .../08-python3-certbot_2.9.0-1_all.deb ...

Unpacking python3-certbot (2.9.0-1) ...

Selecting previously unselected package certbot.

Preparing to unpack .../09-certbot_2.9.0-1_all.deb ...

Unpacking certbot (2.9.0-1) ...

Selecting previously unselected package python3-certbot-apache.

Preparing to unpack .../10-python3-certbot-apache_2.9.0-1_all.deb ...

Unpacking python3-certbot-apache (2.9.0-1) ...

Selecting previously unselected package python3-icu.

Preparing to unpack .../11-python3-icu_2.12-lbuild2_amd64.deb ...

Unpacking python3-icu (2.12-lbuild2) ...
```



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Introduction



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