COS20019, Week 4 Lab

Please fill in the information below and paste screenshots in the appropriate section. You may add more sections if required.

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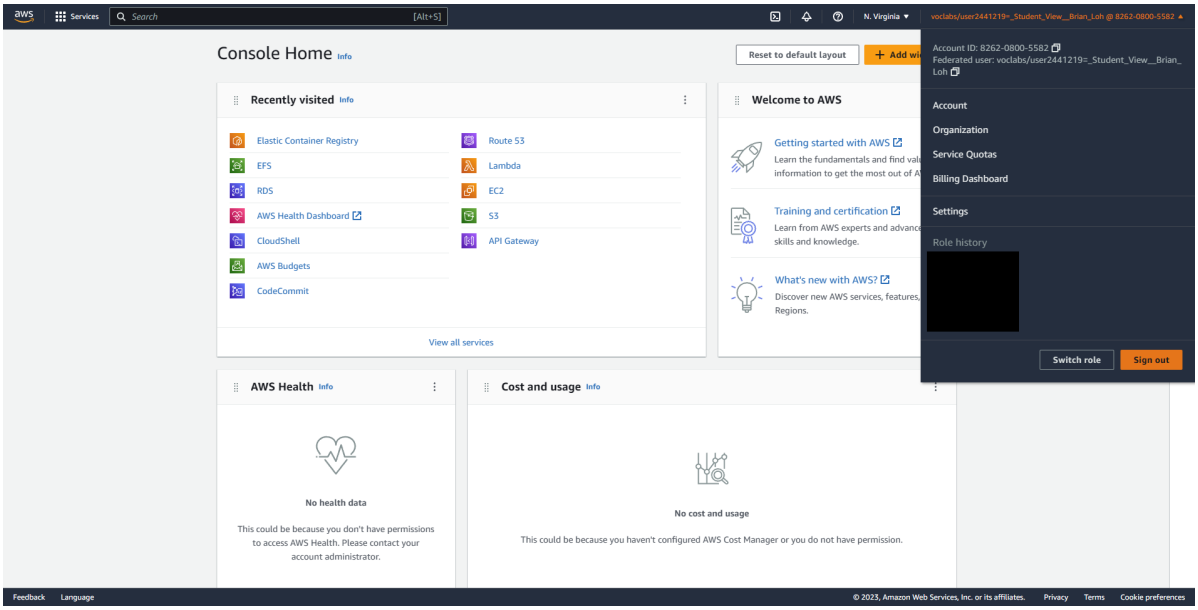
Student ID: 101229220

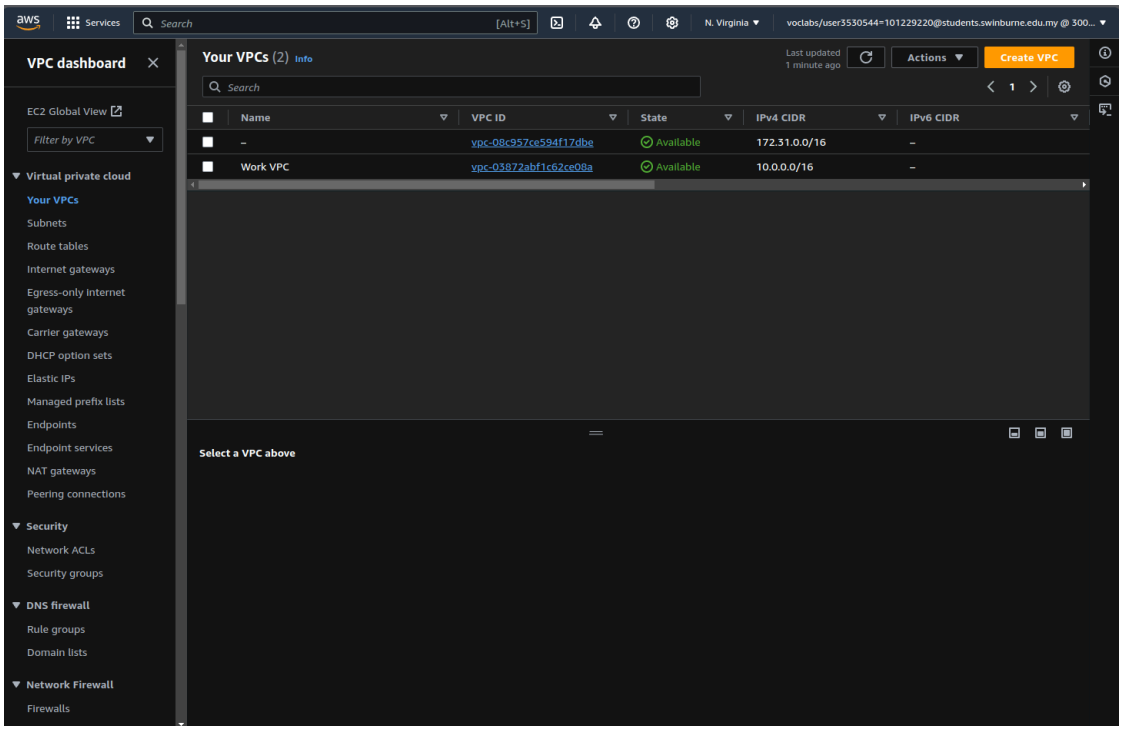
Build your VPC and Launch a Web Server

Paste screenshot of the **AWS Management Console** showing your User Account details (example shown below). Ensure that your bother screenshots show the menu bar (does not need to be expanded).

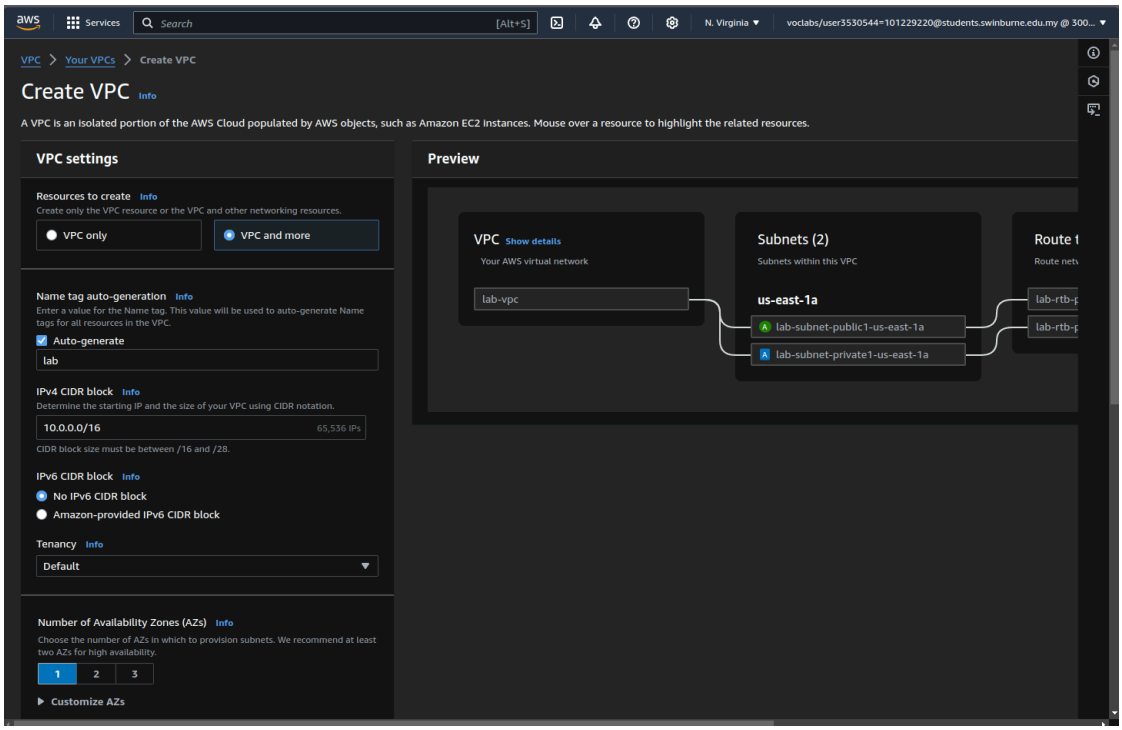


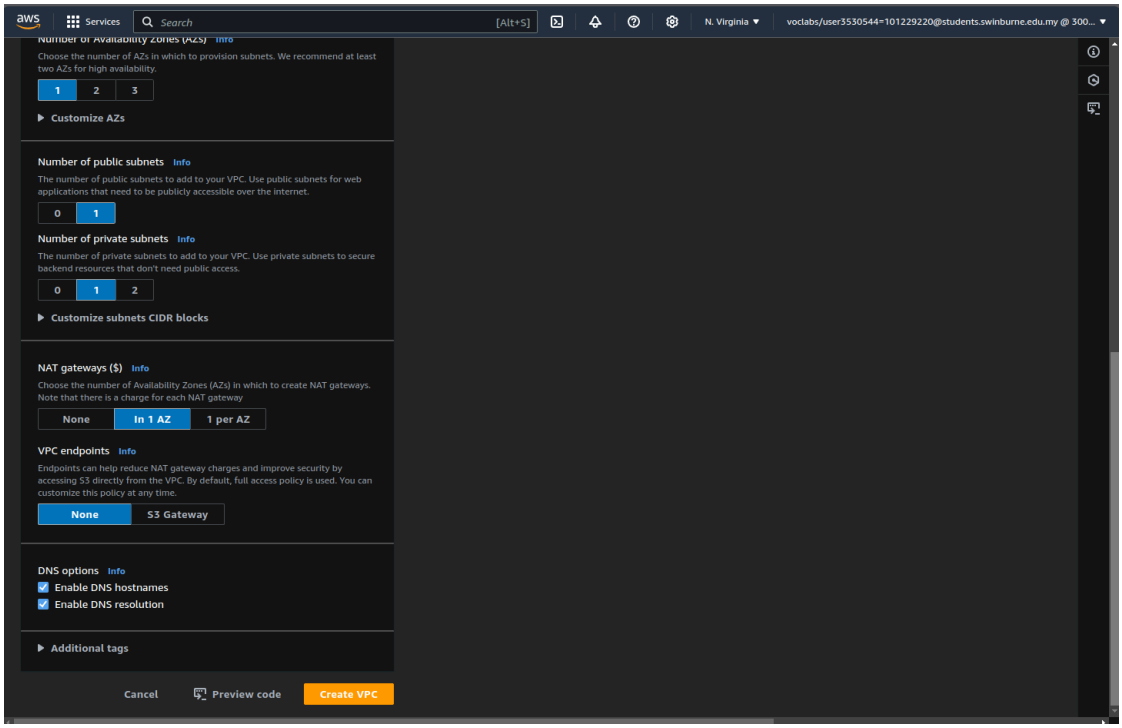
Task 1: Create Your VPC

1. Paste screenshot(s) of the **Your VPCs** screen (showing existing VPCs)

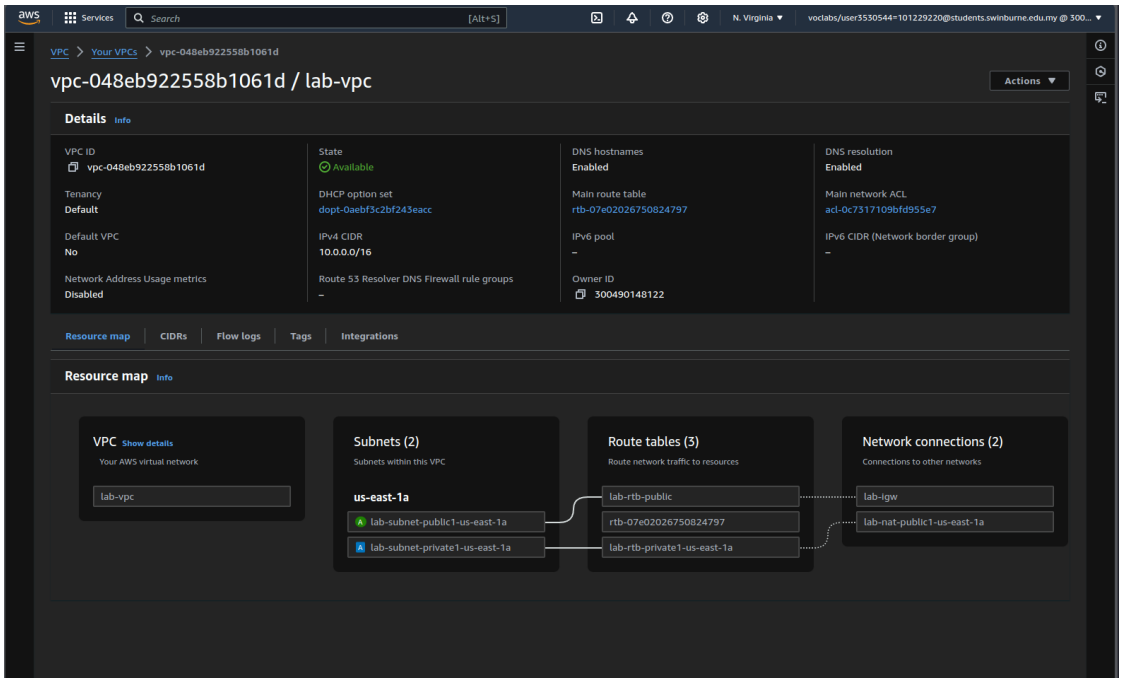


2. Paste screenshot(s) of the **Create VPC** screen (after entering / choosing the appropriate settings)



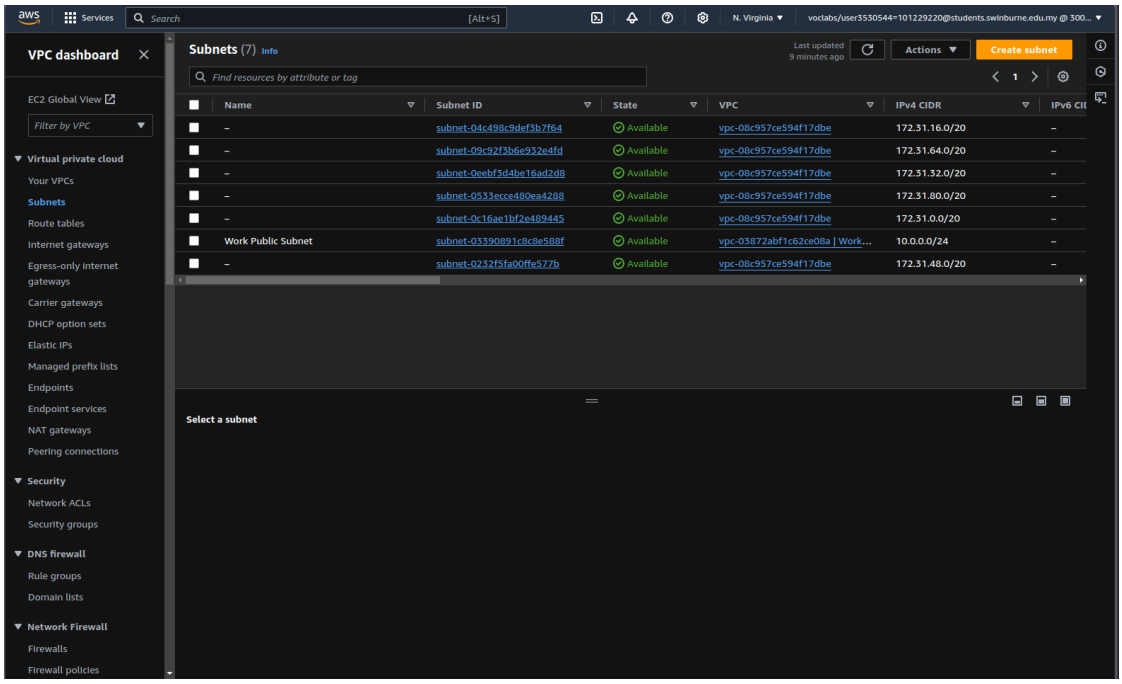


3. Paste screenshot(s) of the **View VPC** screen (showing new VPC)

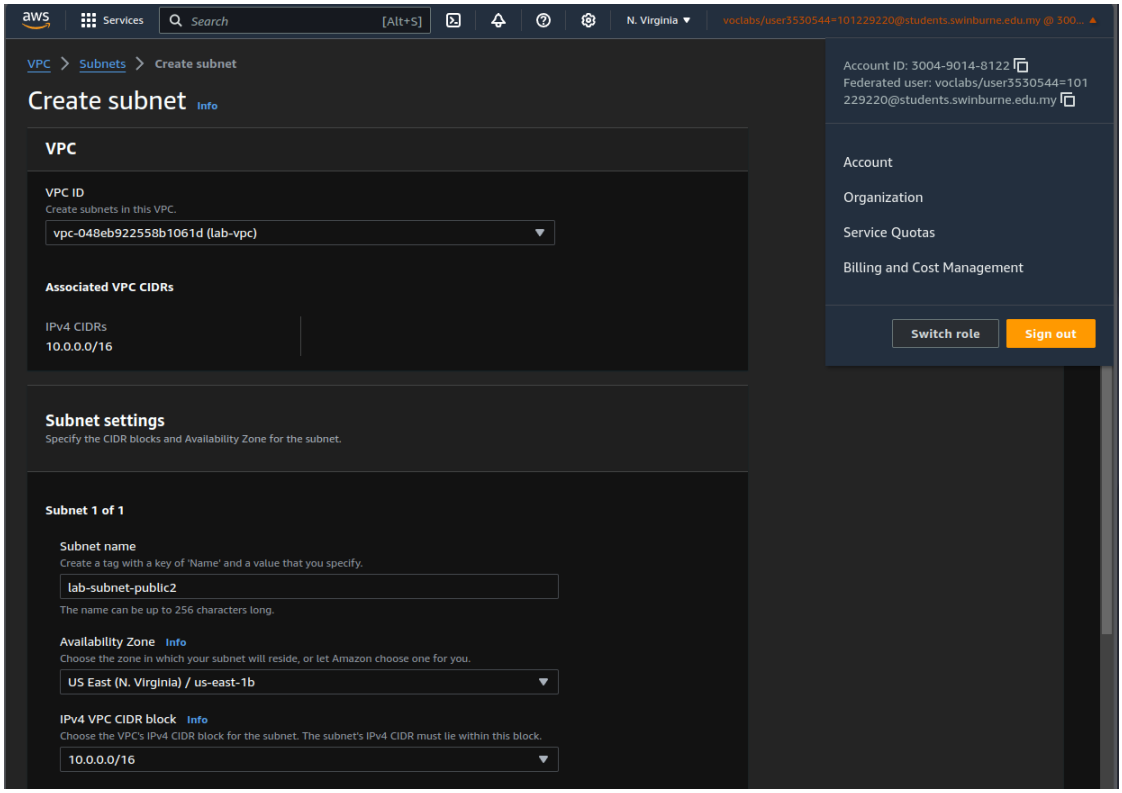


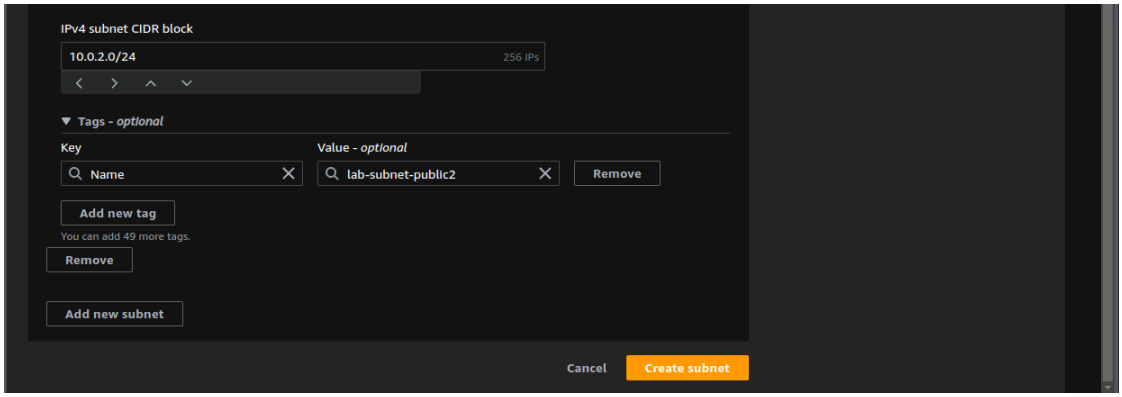
Task 2: Create Additional Subnets

4. Paste screenshot(s) of the **Subnets** screen (showing existing subnets)

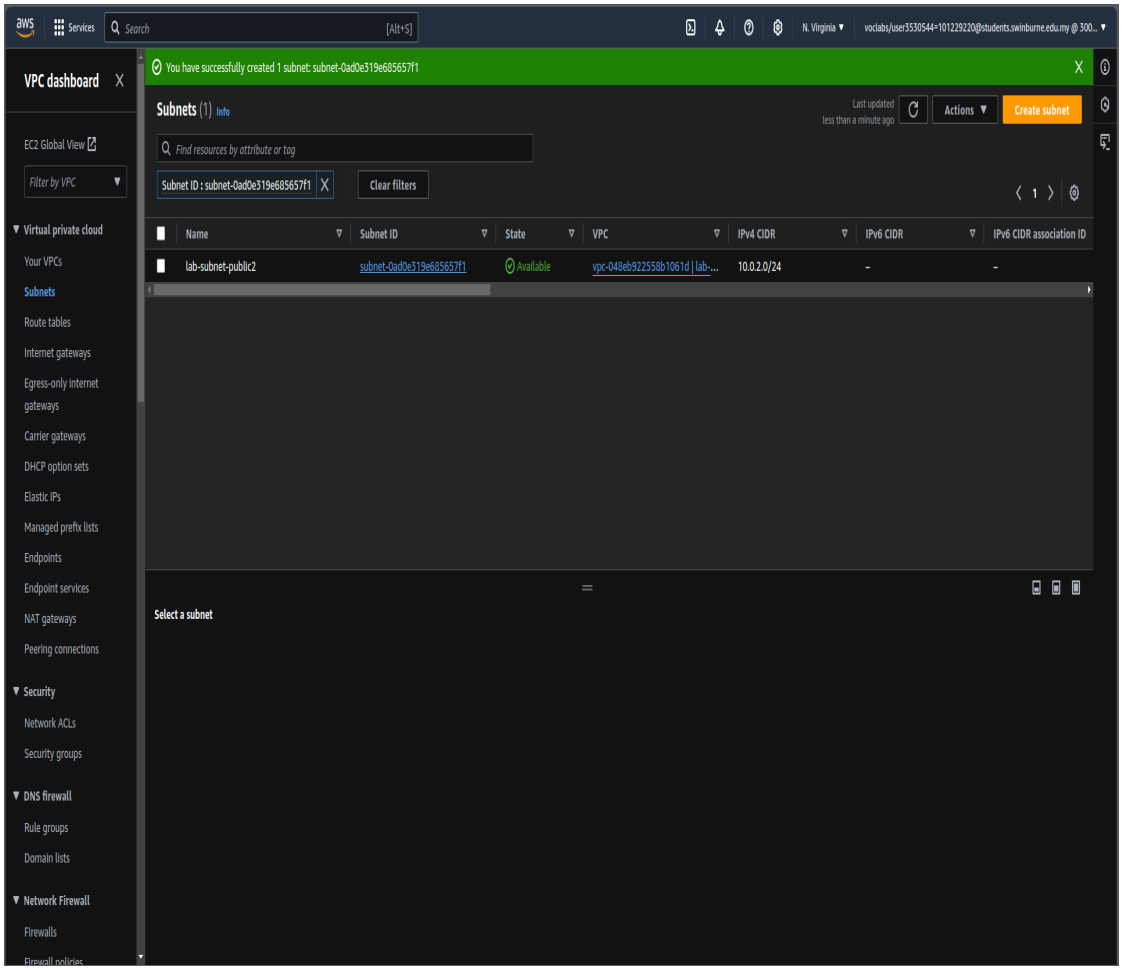


5. Paste screenshot(s) of the **Create Subnet** screen (after entering / choosing the appropriate settings)

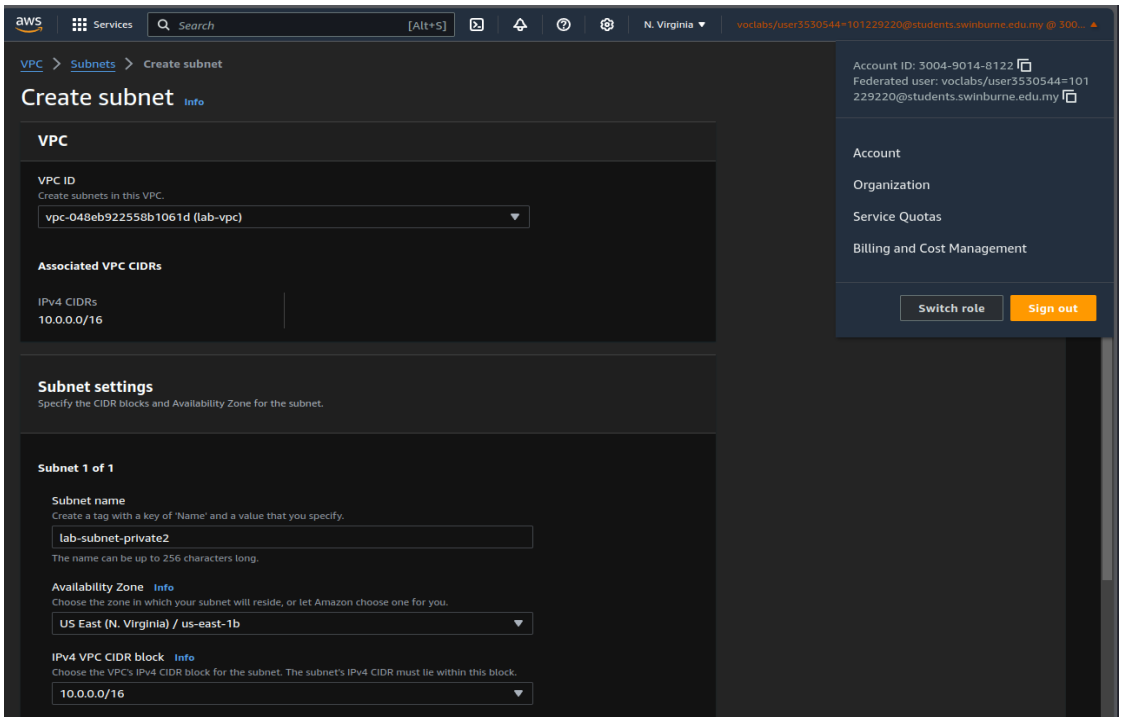




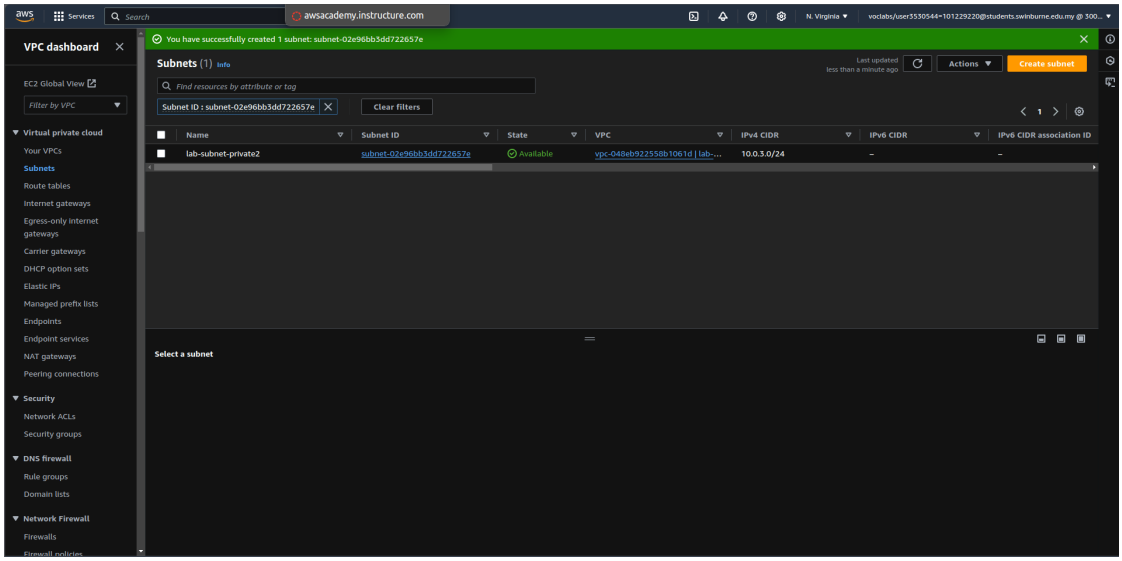
6. Paste screenshot(s) of the **Subnets** screen (showing new public subnet)



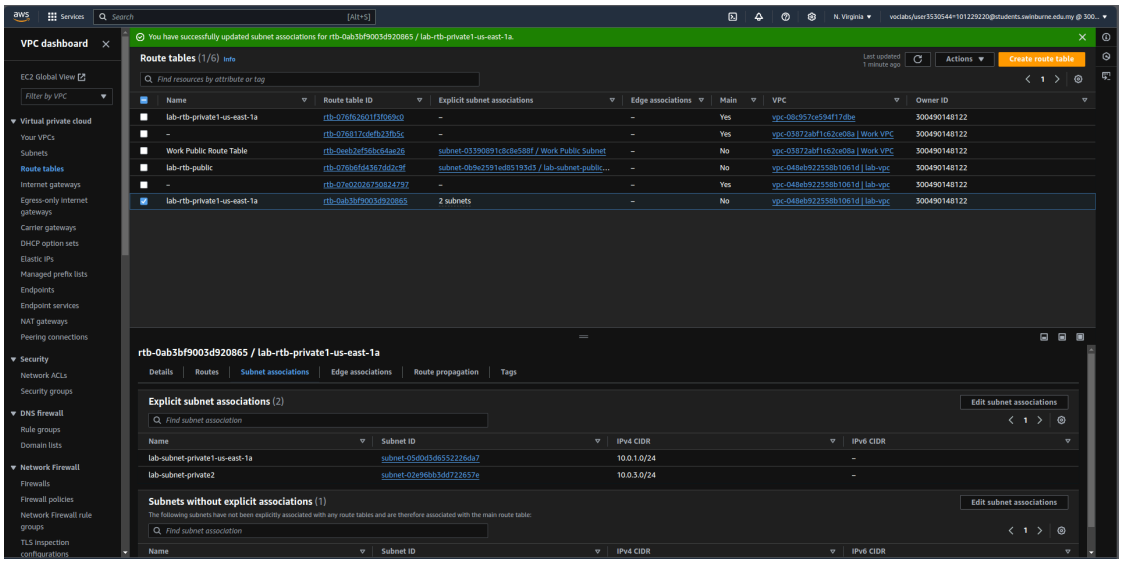
7. Paste screenshot(s) of the **Create Subnet** screen (after entering / choosing the appropriate settings)



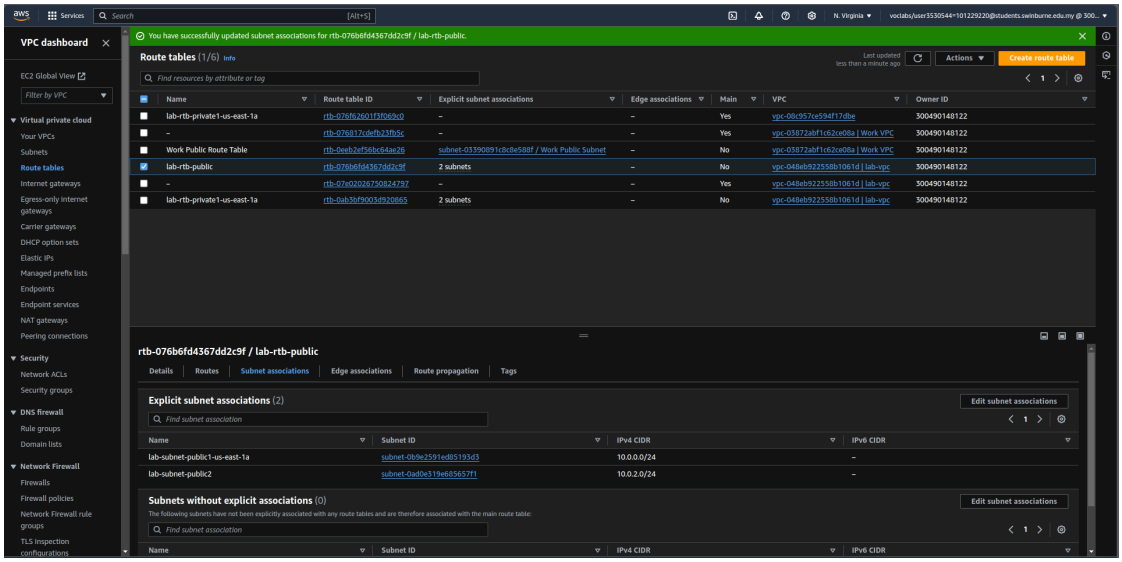
8. Paste screenshot(s) of the **Subnets** screen (showing new private subnet)



9. Paste screenshot(s) of the **Subnet associations** tab screen for private route table (after entering / choosing the appropriate settings)

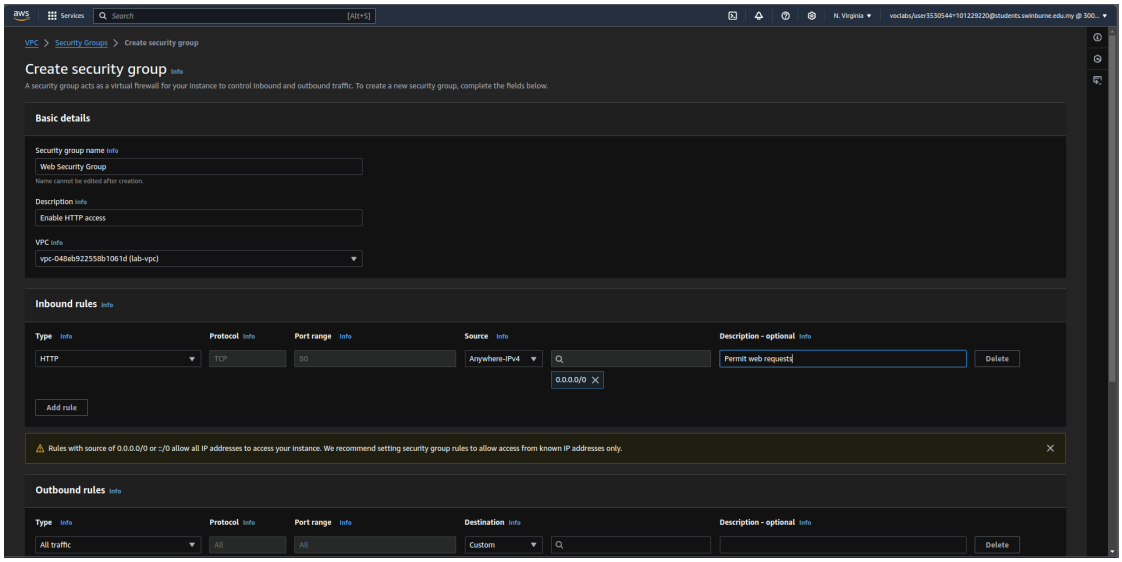


10. Paste screenshot(s) of the **Subnet associations** tab screen for public route table (after entering / choosing the appropriate settings)

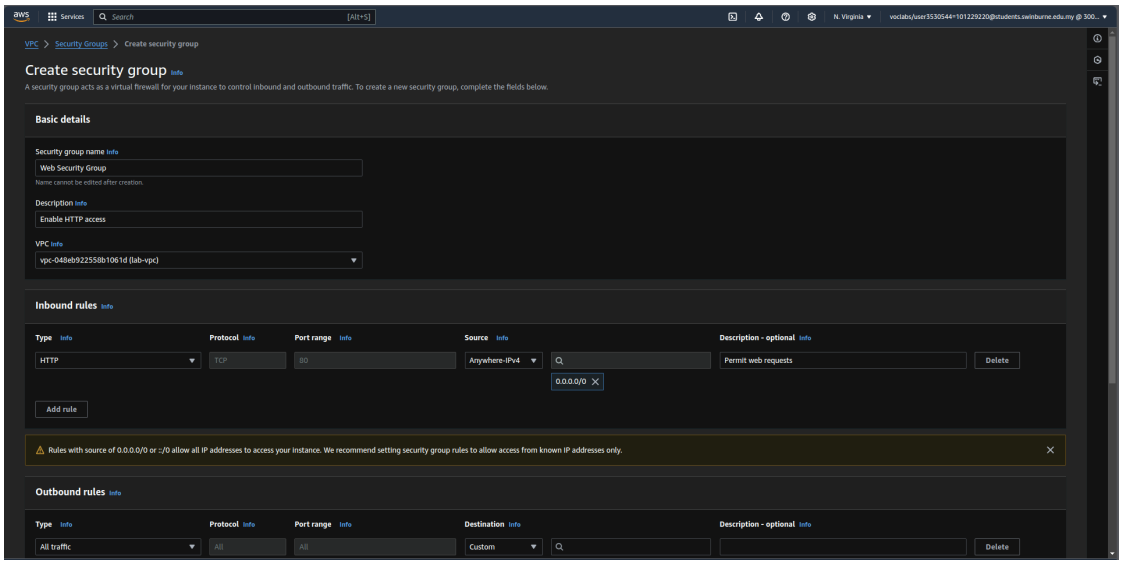


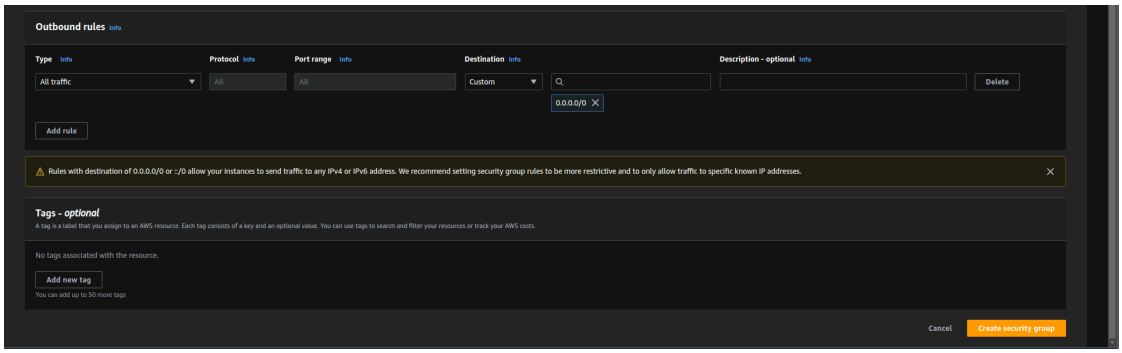
Task 3: Create a VPC Security Group

11. Paste screenshot(s) of the **Security Groups** screen

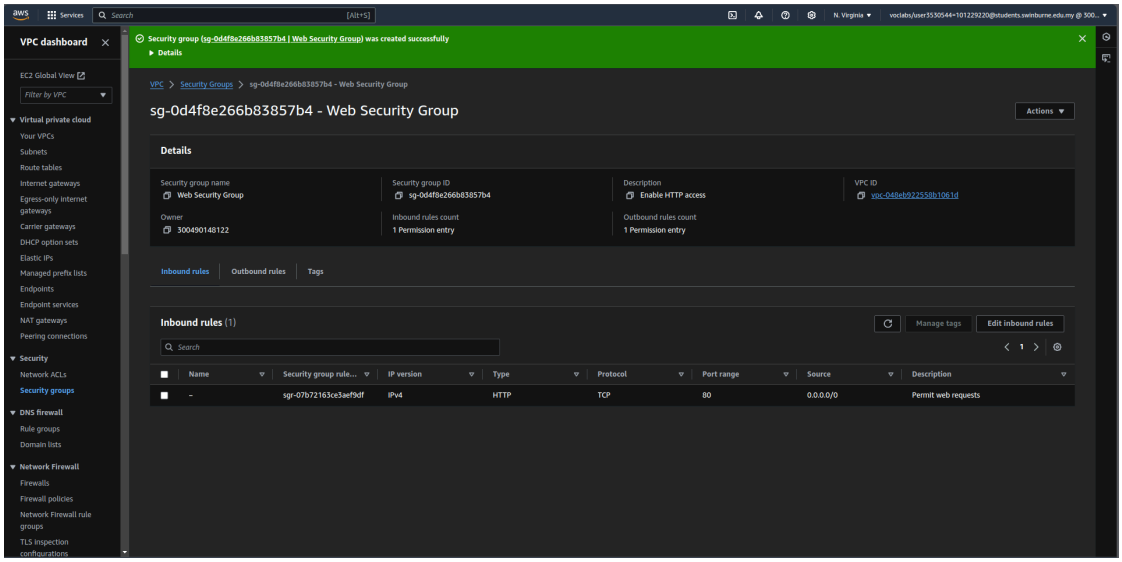


12. Paste screenshot(s) of the **Create Security Group** screen (after entering / choosing the appropriate settings)



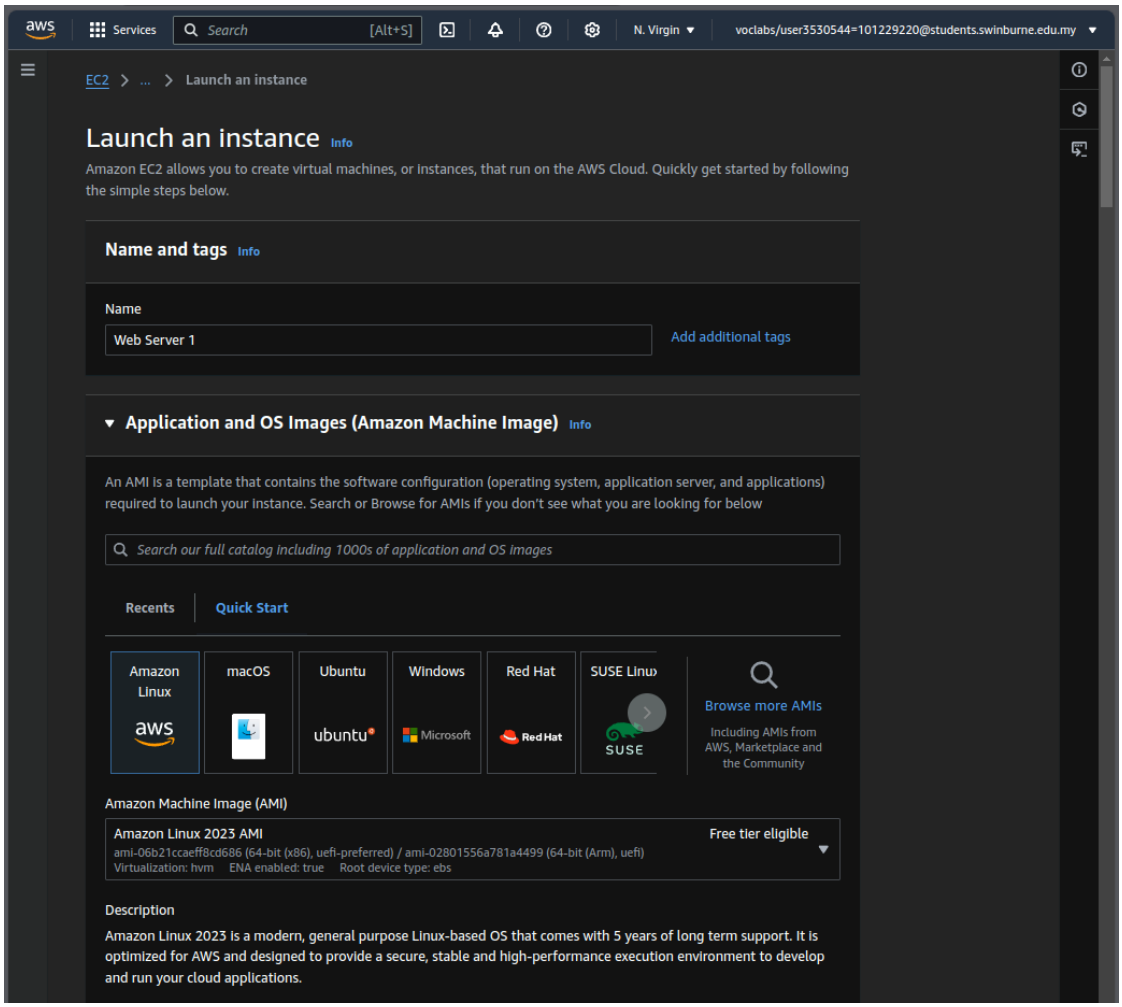


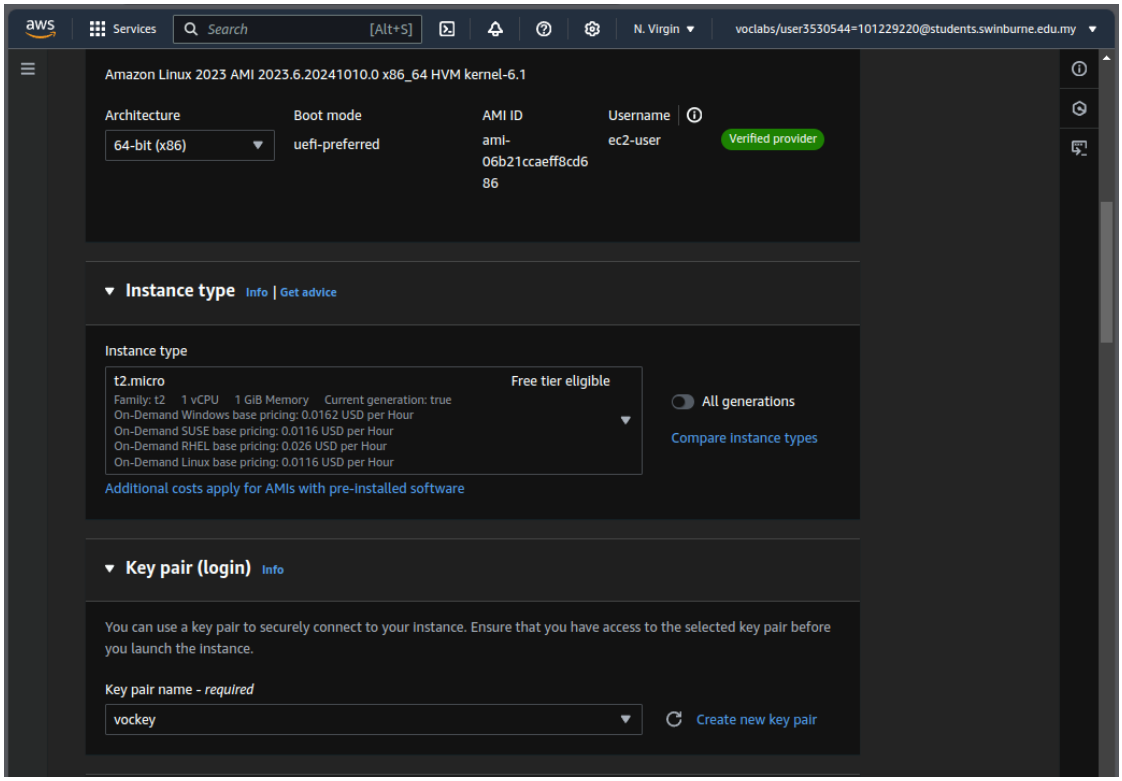
13. Paste screenshot(s) of the **Security Group** screen (showing the inbound rules)



Task 4: Launch a Web Server Instance

14. Paste screenshot(s) of the **Launch Instance** screen (after entering / choosing the appropriate settings)




aws
Services
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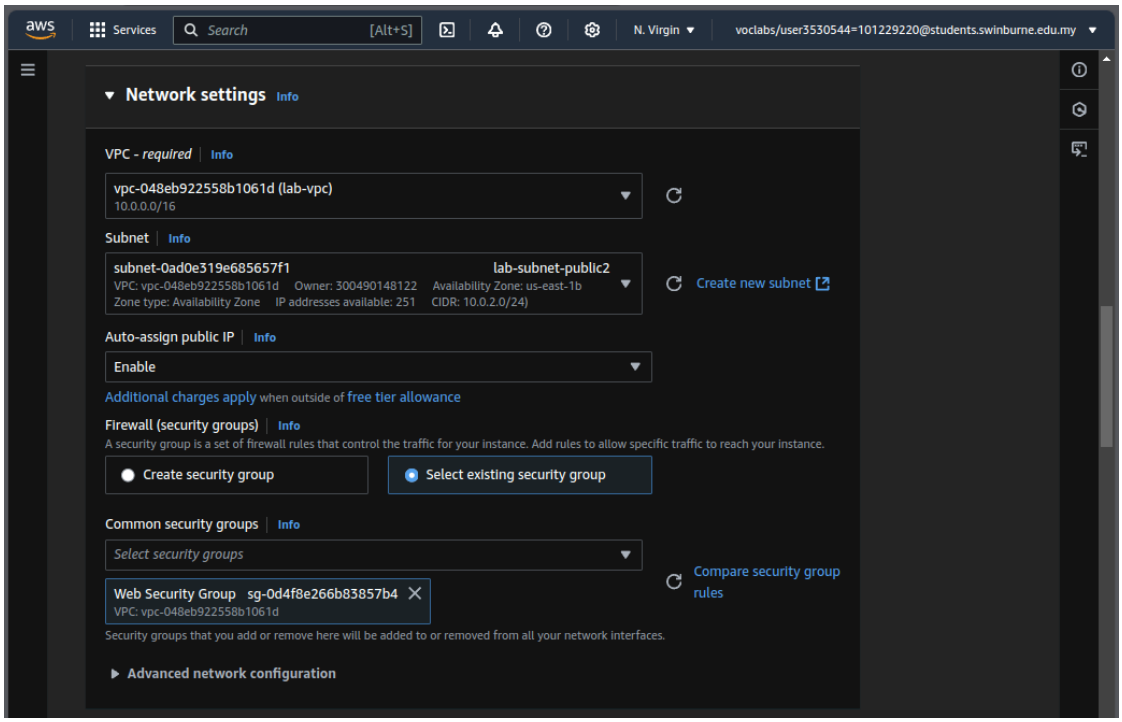
N. Virgin
voclabs/user3530544=101229220@students.swinburne.edu.my
Amazon Linux 2023 AMI 2023.6.20241010.0 x86_64 HVM kernel-6.1
Architecture
64-bit (x86)
Boot mode
uefi-preferred
AMI ID
ami-06b21ccaeff8cd686
Username
ec2-user
Verified provider
Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
vockey
Create new key pair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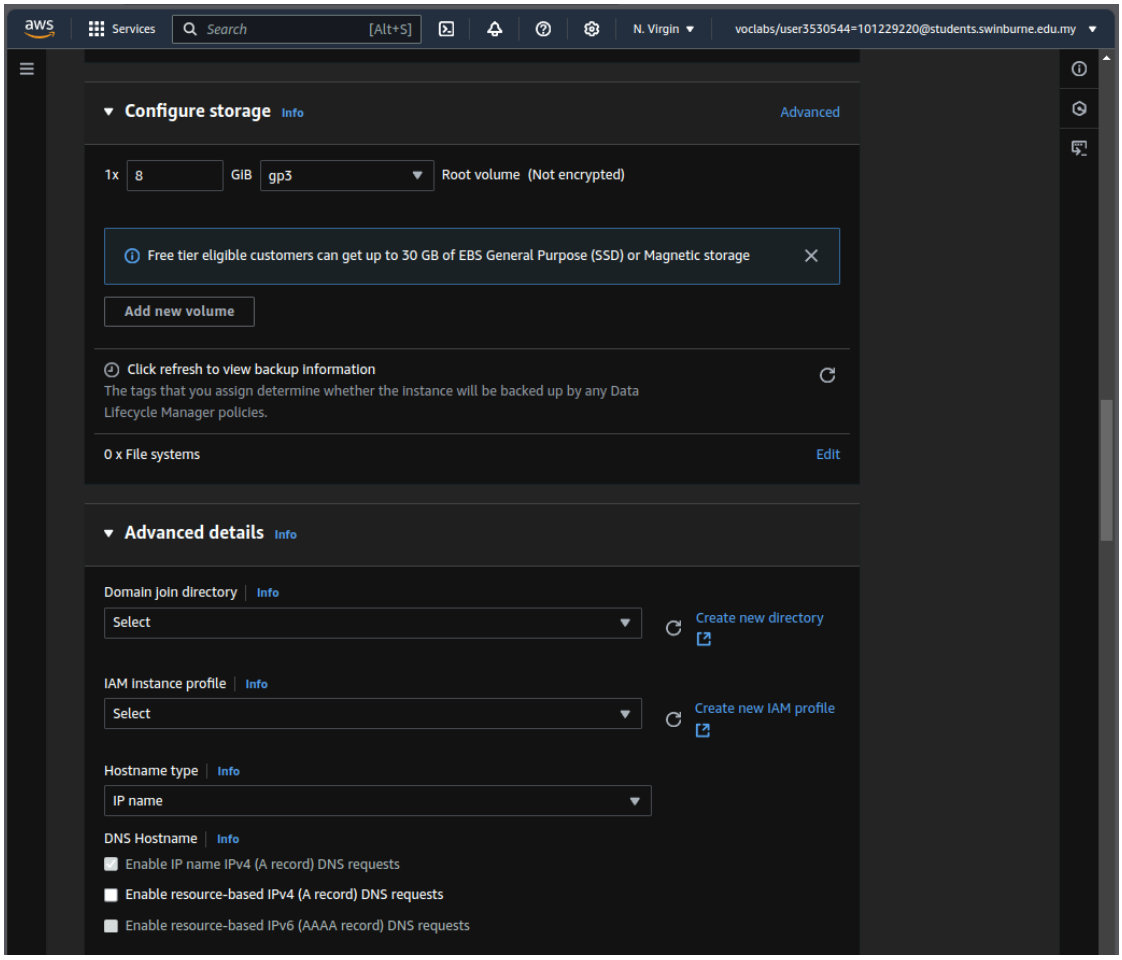
voclabs/user3530544=101229220@students.swinburne.edu.my
Network settings Info
VPC - required Info
vpc-048eb922558b1061d (lab-vpc)
10.0.0.0/16
Subnet Info
subnet-0ad0e319e685657f1
lab-subnet-public2
VPC: vpc-048eb922558b1061d Owner: 300490148122 Availability Zone: us-east-1b
Zone type: Availability Zone IP addresses available: 251 CIDR: 10.0.2.0/24)
Create new subnet
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Common security groups Info
Select security groups
Web Security Group sg-0d4f8e266b83857b4
VPC: vpc-048eb922558b1061d
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Advanced network configuration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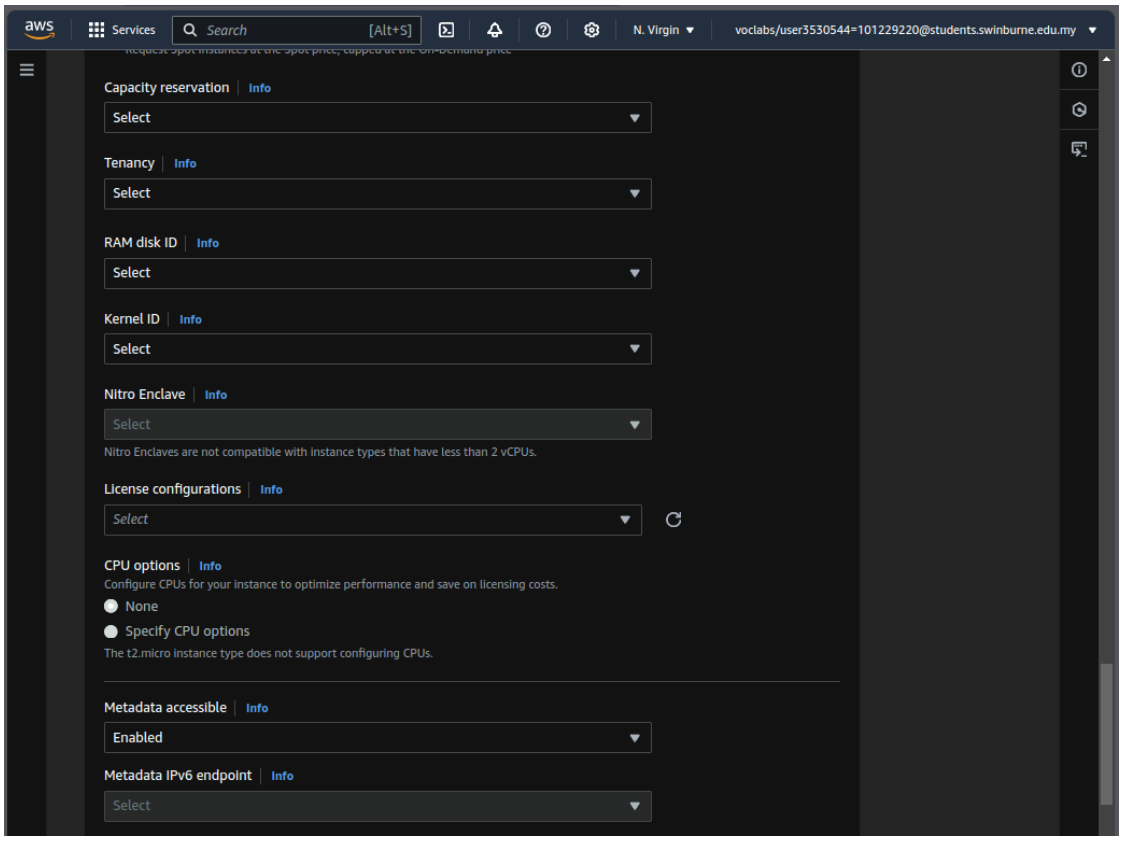
voclabs/user3530544=101229220@students.swinburne.edu.my
Configure storage Info
Advanced
1x
8
GiB
gp3
Root volume (Not encrypted)
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.
0 x File systems
Edit
Advanced details Info
Domain join directory Info
Select
Create new directory
IAM instance profile Info
Select
Create new IAM profile
Hostname type Info
IP name
DNS Hostname Info
Enable IP name IPv4 (A record) DNS requests
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests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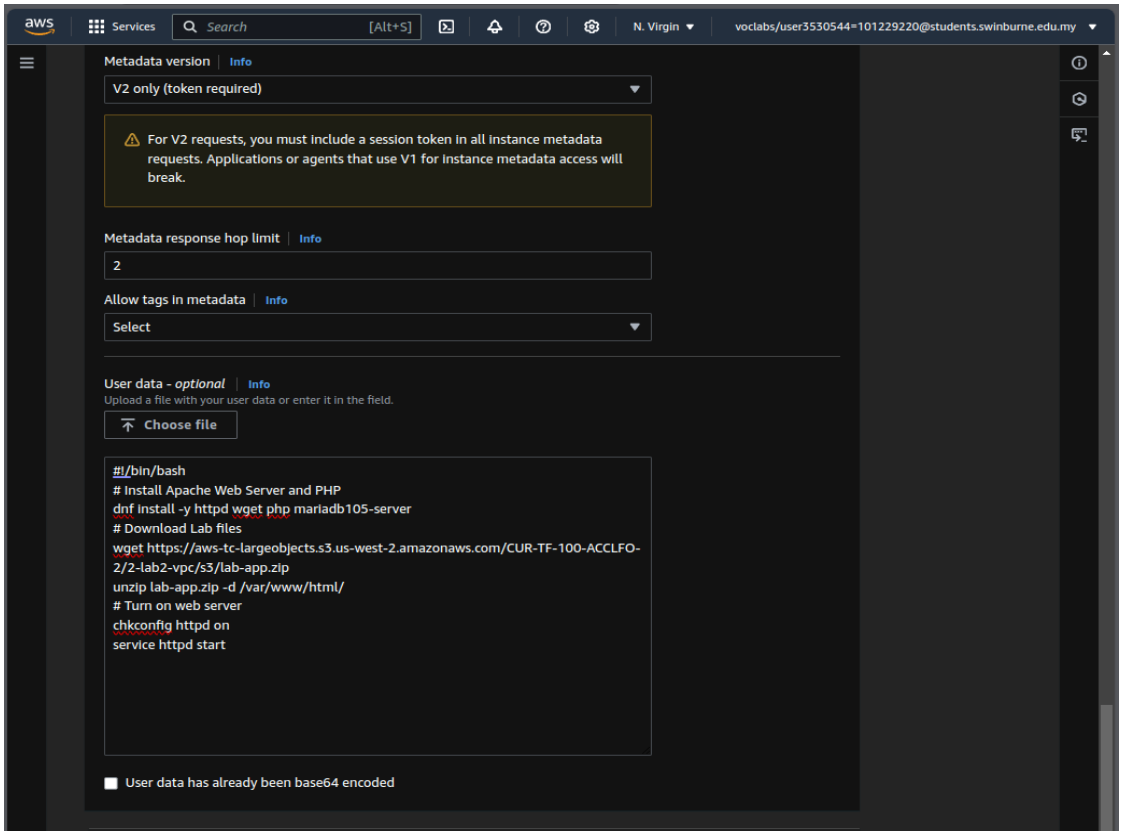
voclabs/user3530544=101229220@students.swinburne.edu.my
Capacity reservation Info
Select
Tenancy Info
Select
RAM disk ID Info
Select
Kernel ID Info
Select
Nitro Enclave Info
Select
Nitro Enclaves are not compatible with instance types that have less than 2 vCPUs.
License configurations Info
Select
CPU options Info
Configure CPUs for your instance to optimize performance and save on licensing costs.
None
Specify CPU options
The t2.micro instance type does not support configuring CPUs.
Metadata accessible Info
Enabled
Metadata IPv6 endpoint Info
Select


aws
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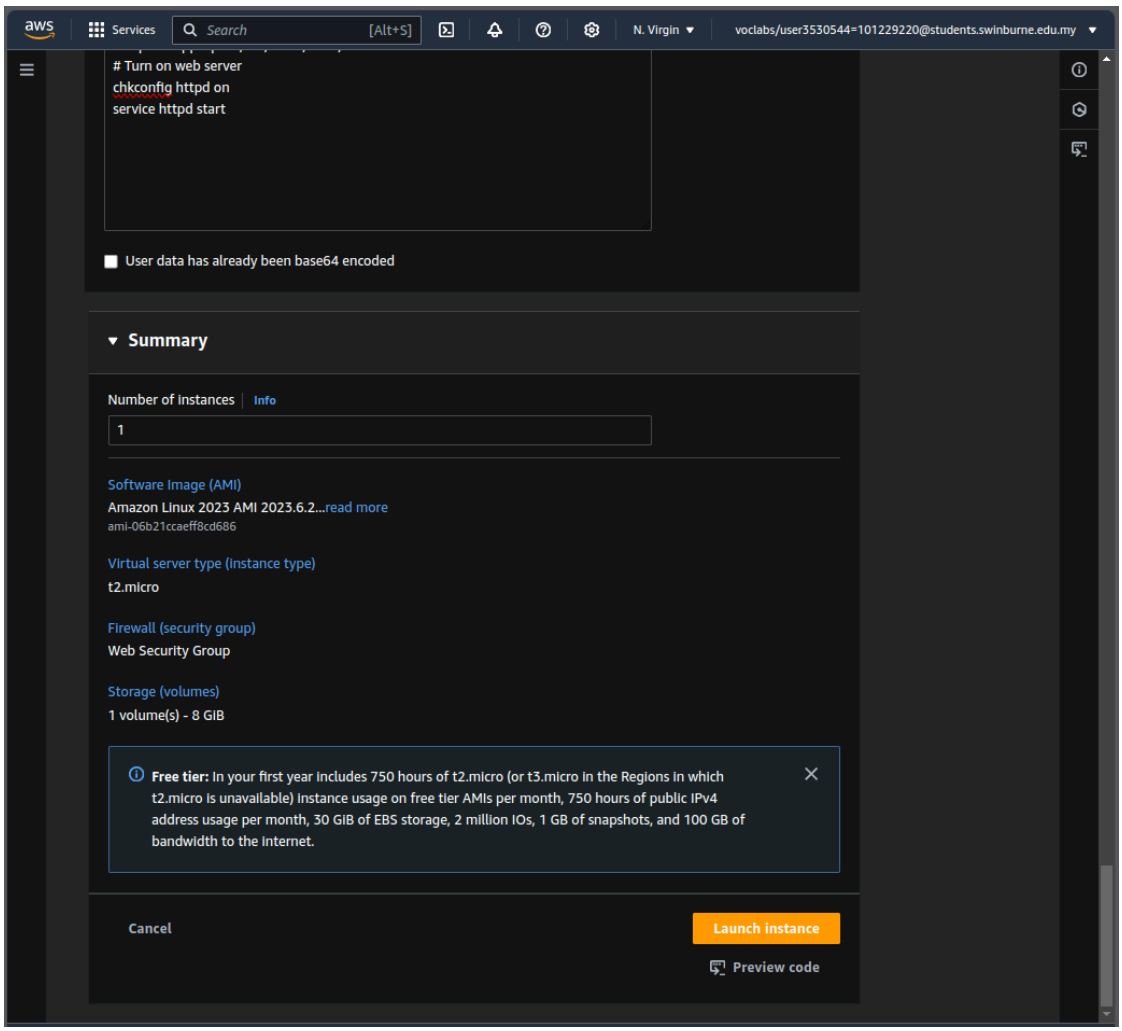
voclabs/user3530544=101229220@students.swinburne.edu.my
Metadata version | Info
V2 only (token required)
For V2 requests, you must include a session token in all instance metadata requests. Applications or agents that use V1 for instance metadata access will break.
Metadata response hop limit | Info
2
Allow tags in metadata | Info
Select
User data - optional | Info
Upload a file with your user data or enter it in the field.
Choose file
#!/bin/bash
Install Apache Web Server and PHP
dnf install -y httpd wget php mariadb105-server
Download Lab files
wget https://aws-tc-largeobjects.s3.us-west-2.amazonaws.com/CUR-TF-100-ACCLFO-2/2-lab2-vpc/s3/lab-app.zip
unzip lab-app.zip -d /var/www/html/
Turn on web server
chkconfig httpd on
service httpd start
User data has already been base64 encoded


aws
Services
Search
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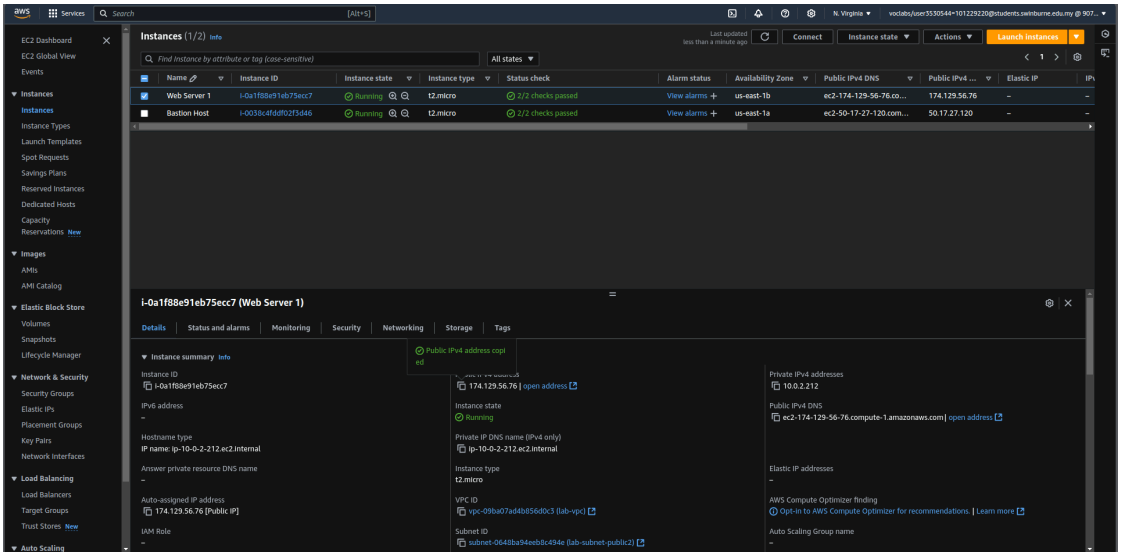
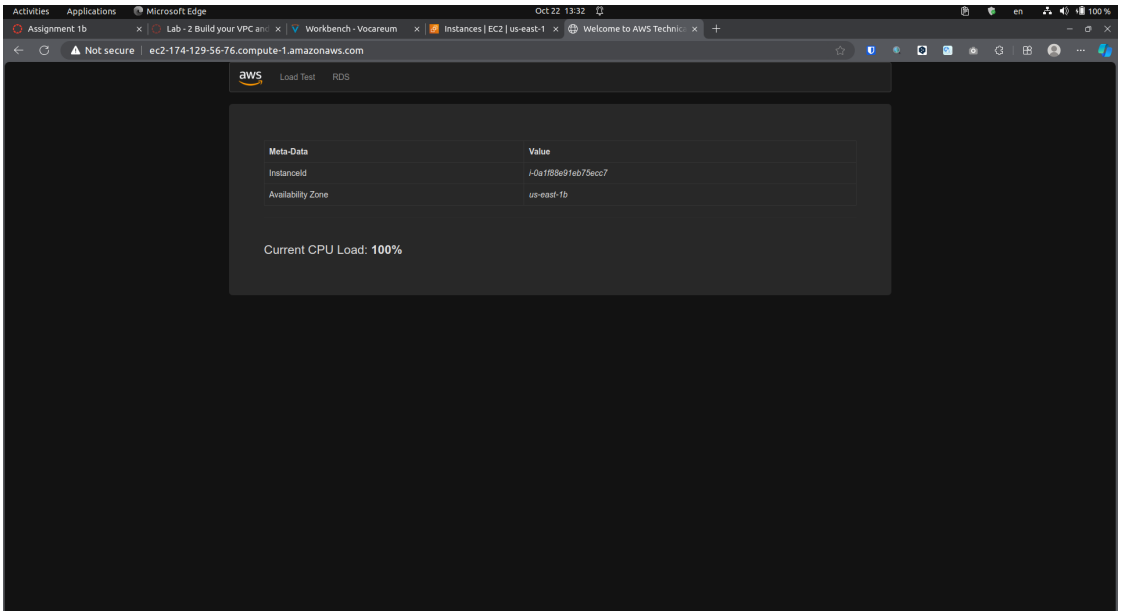
N. Virgin
voclabs/user3530544=101229220@students.swinburne.edu.my
Turn on web server
chkconfig httpd on
service httpd start
User data has already been base64 encoded
Summary
Number of instances | Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-06b21ccaeff8cd686
Virtual server type (instance type)
t2.micro
Firewall (security group)
Web Security Group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Launch instance
Preview code

15. Paste screenshot(s) of the **Instance Web Page** screen





Submission Report

Paste screenshot (s) of the **Grades** screen showing your Total score and Tasks