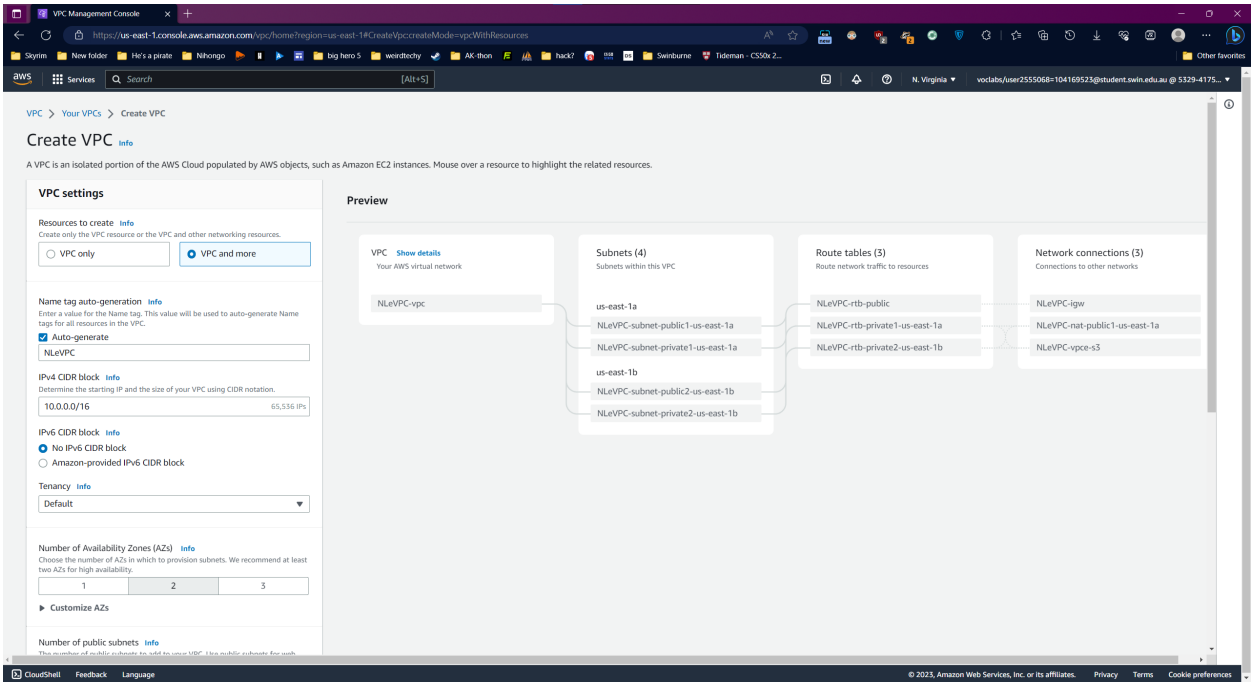
Cloud Computing Architecture- COS20019
Assignment 2
Student Name – ID: Le Xuan Nhat – 105169523

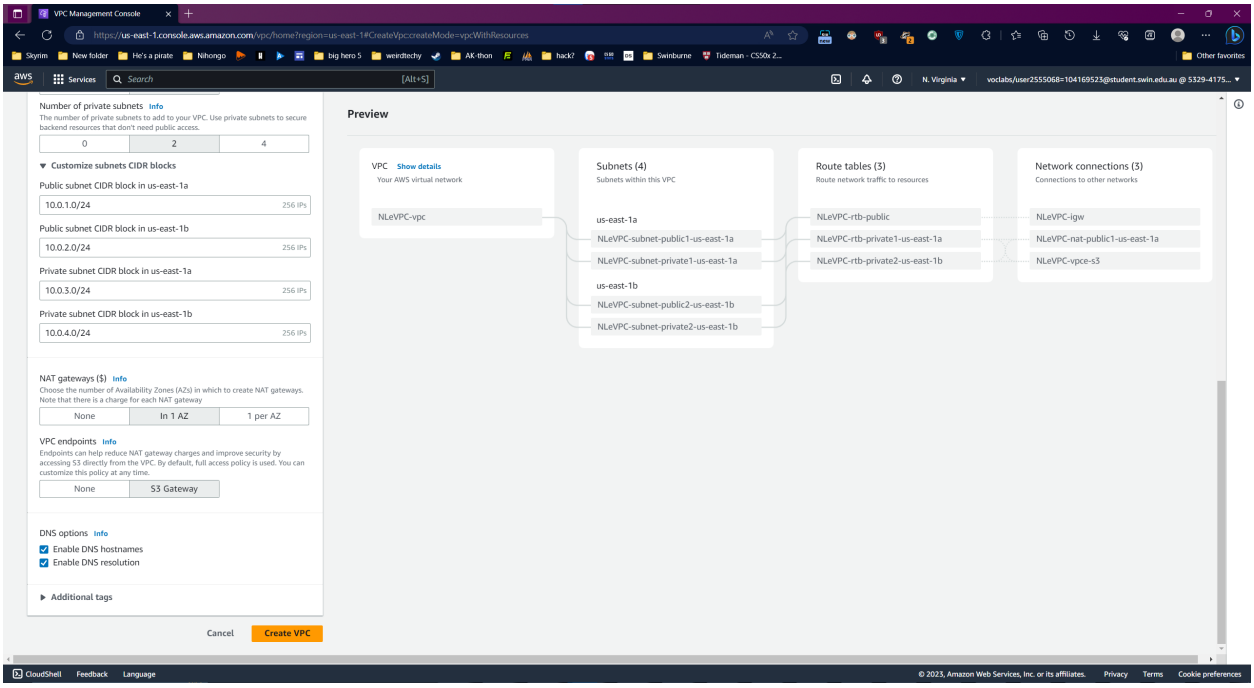
Contents

Create VPC

Create VPC

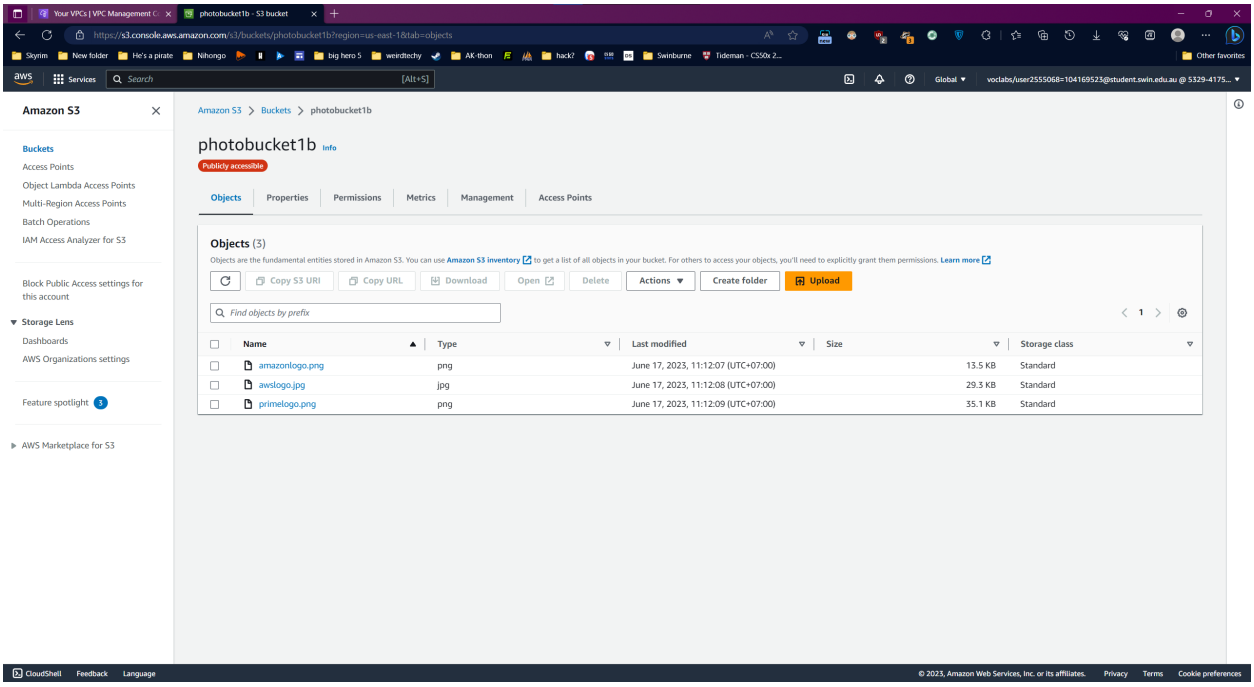


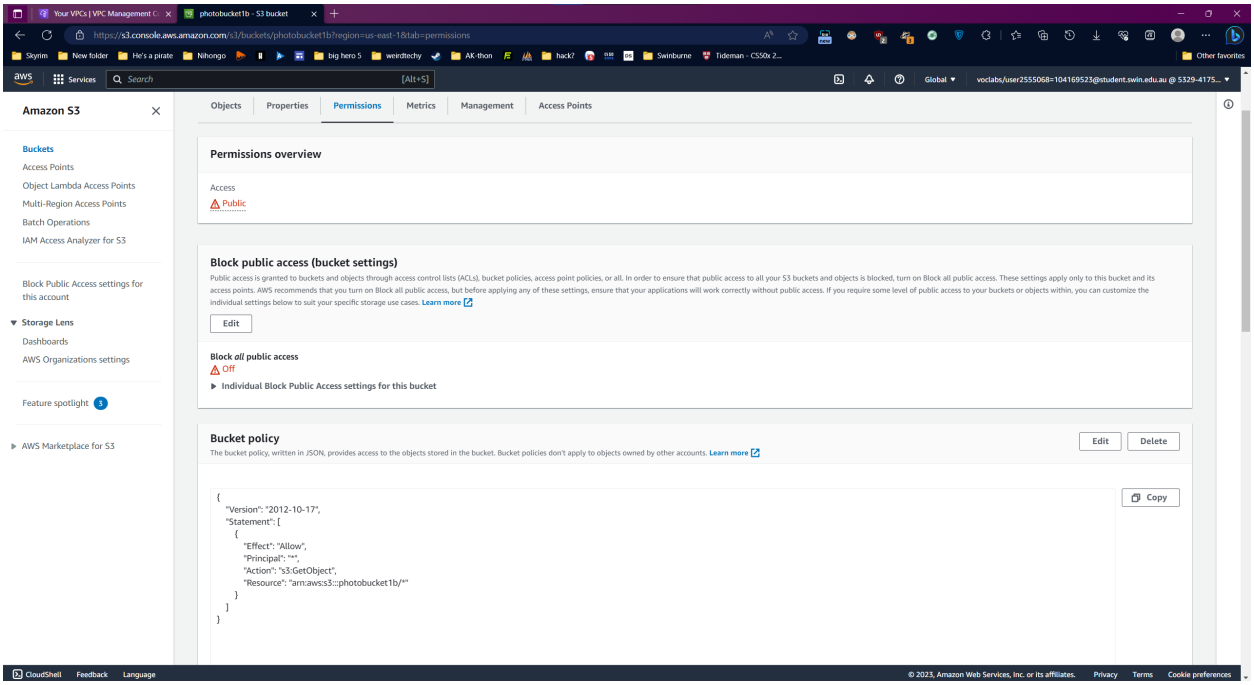
Change the subnet to match the architecture diagram. Create NAT gateway so we do not have to do that later.



S3

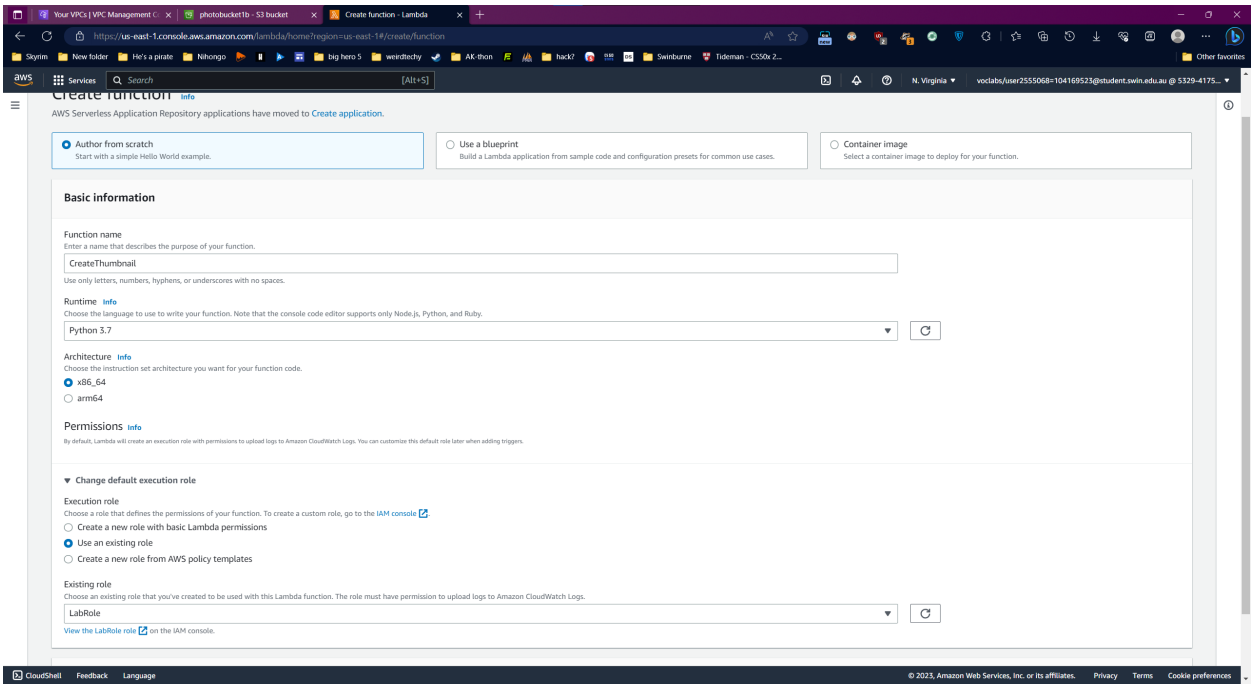
Reuse old photobucket1b



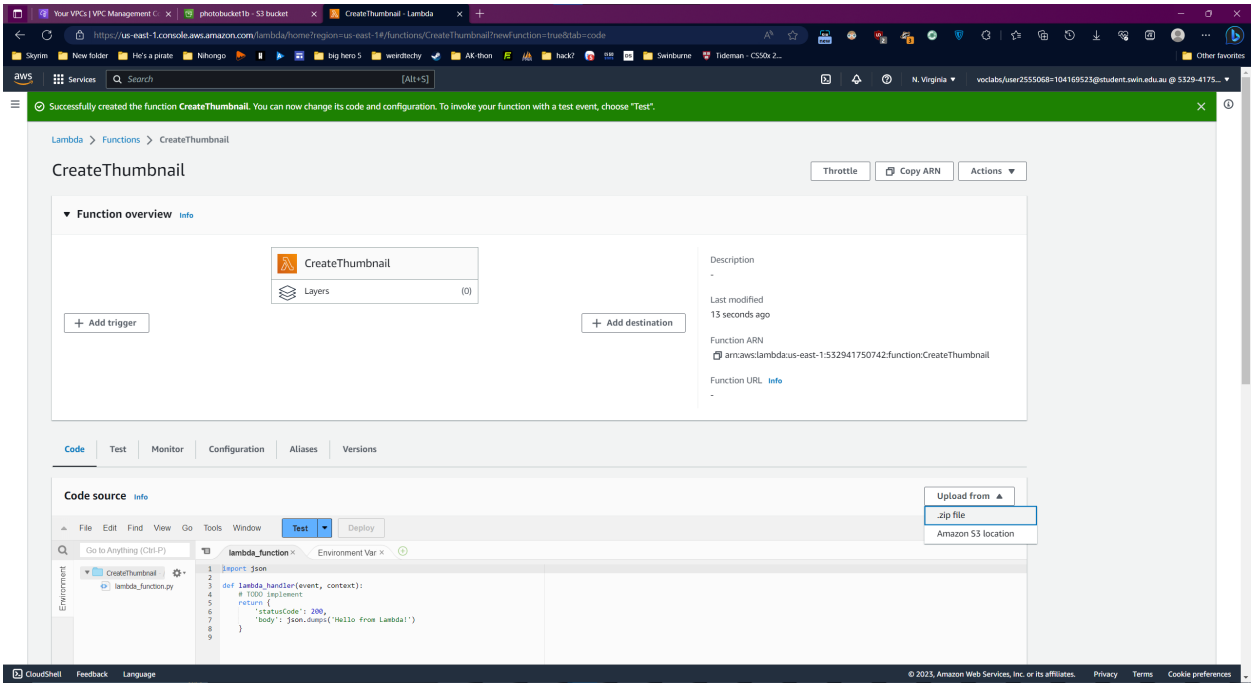


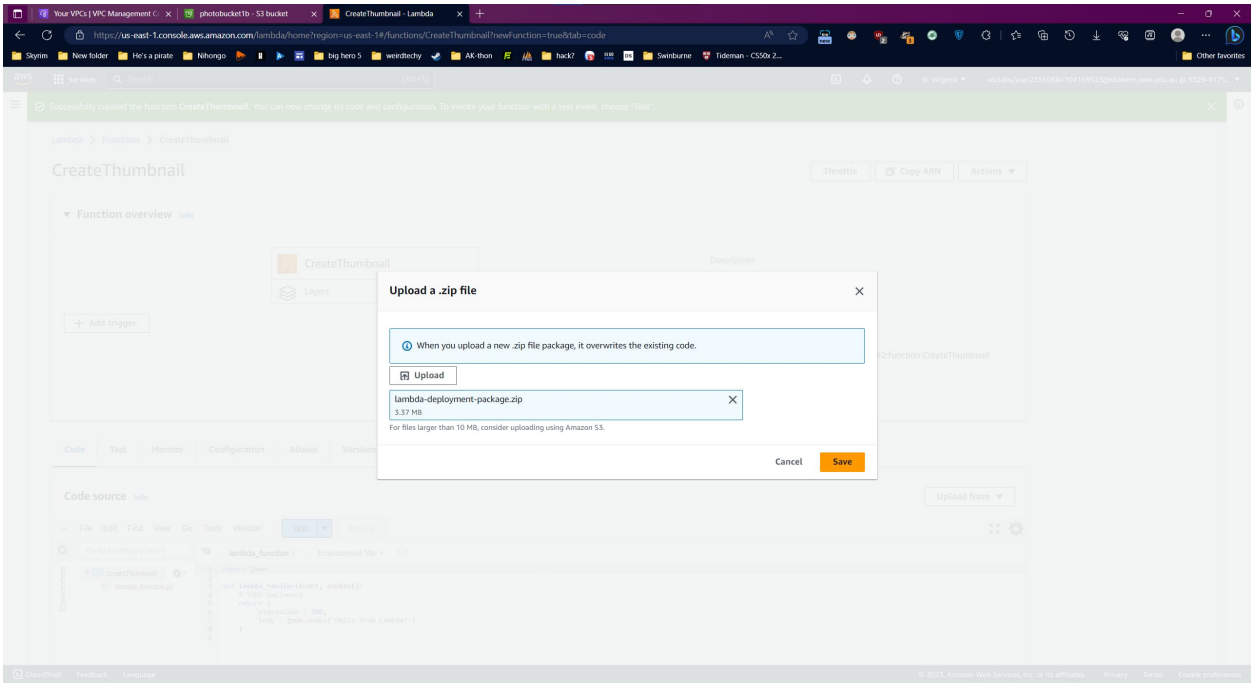
Lambda

Create a function

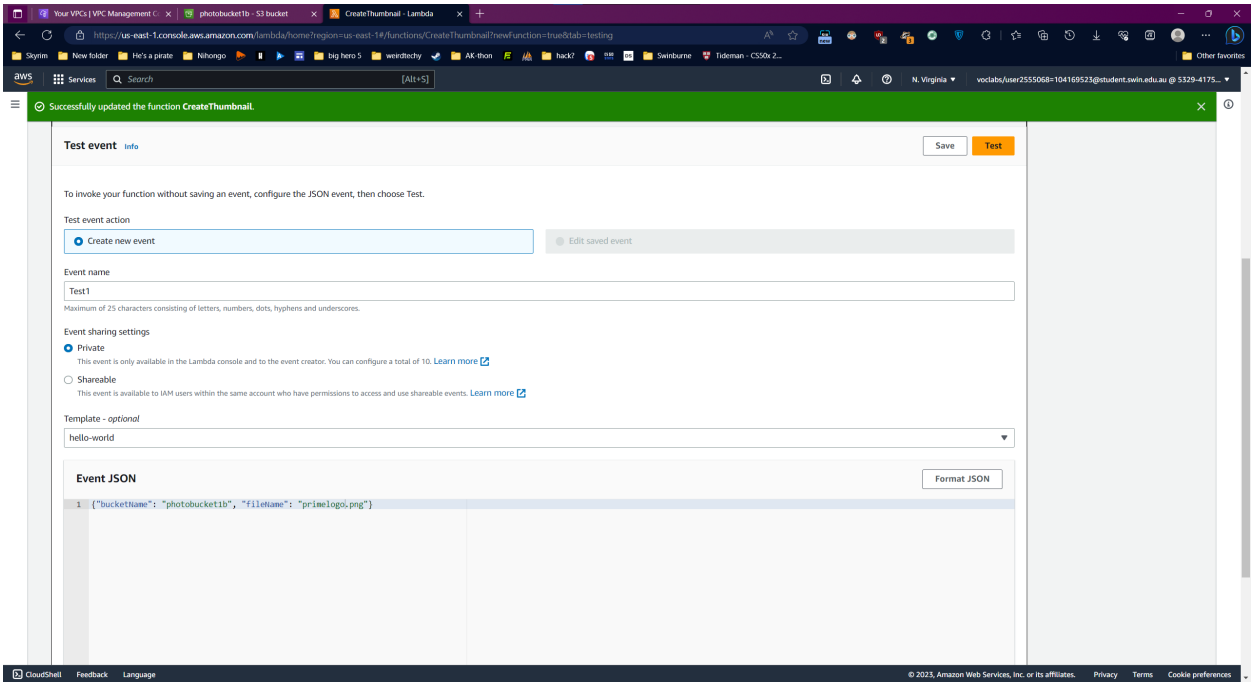


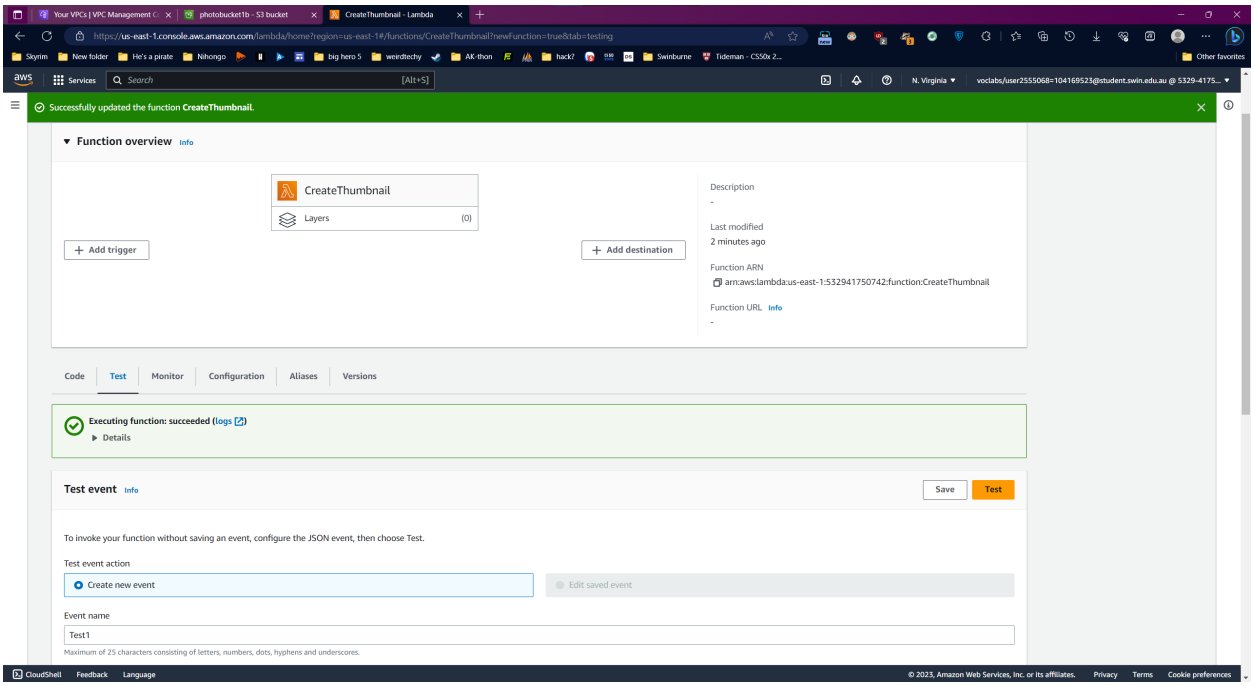
Upload the zip file



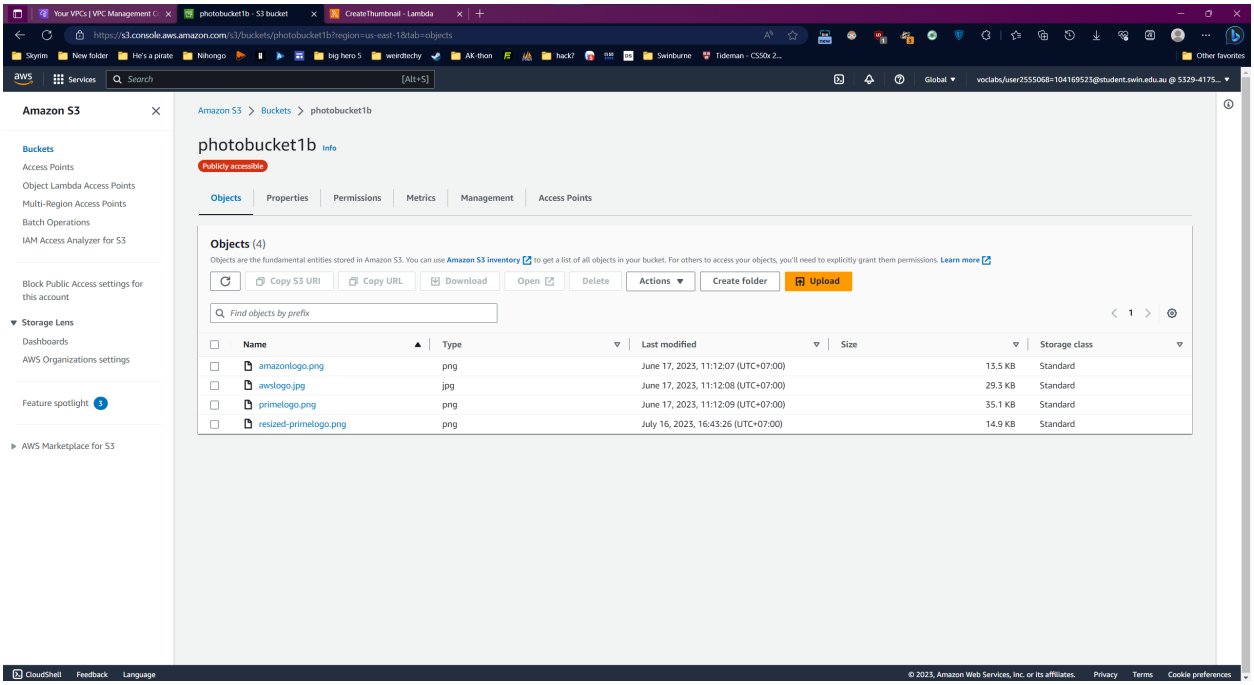


Test to see the resized image



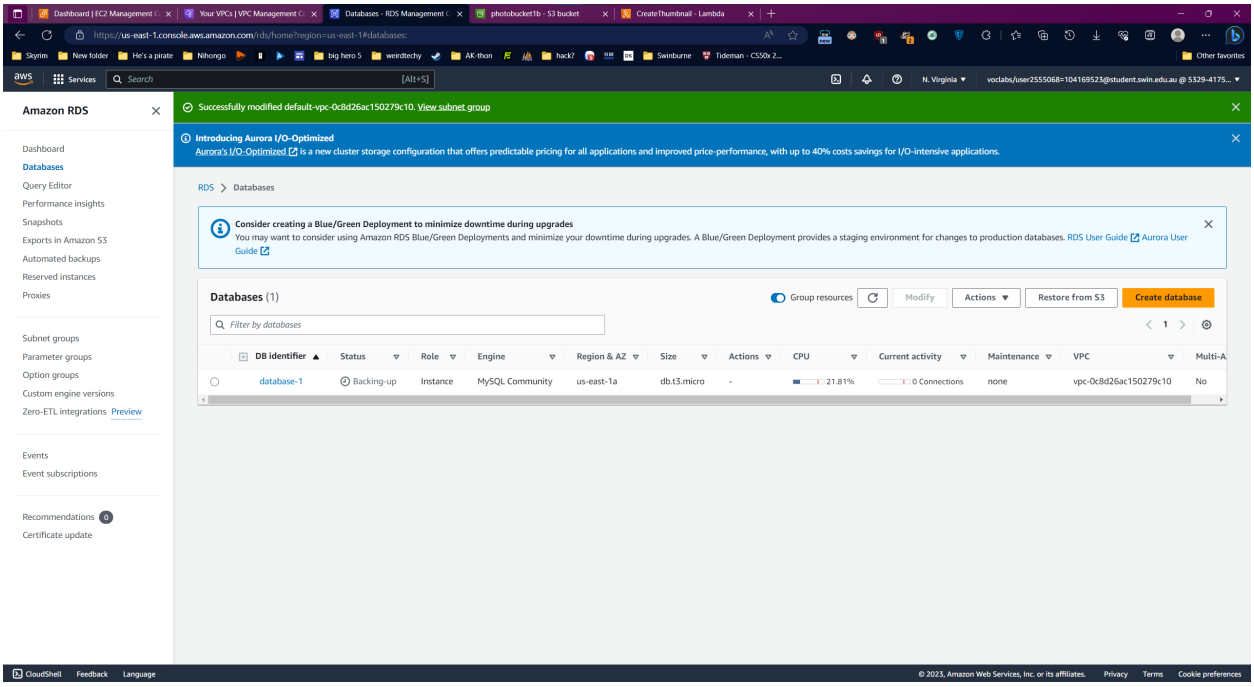


The resize is real

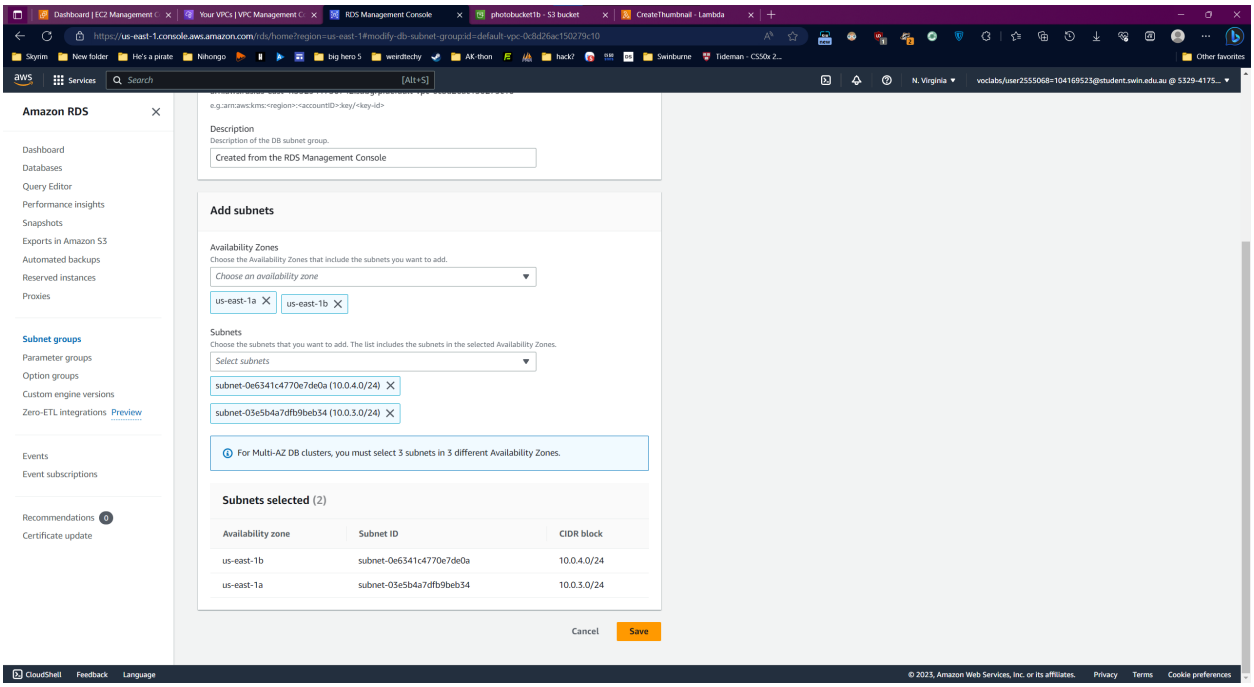


RDS

Use the old database



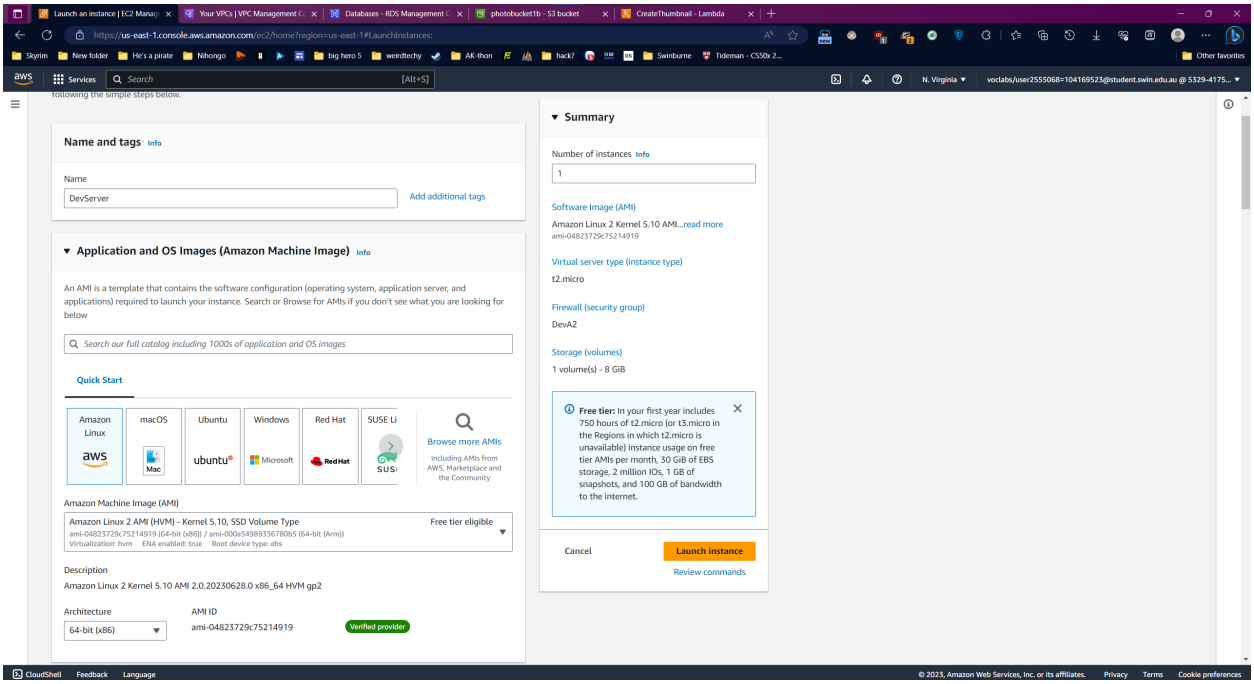
Add the 2 private subnet



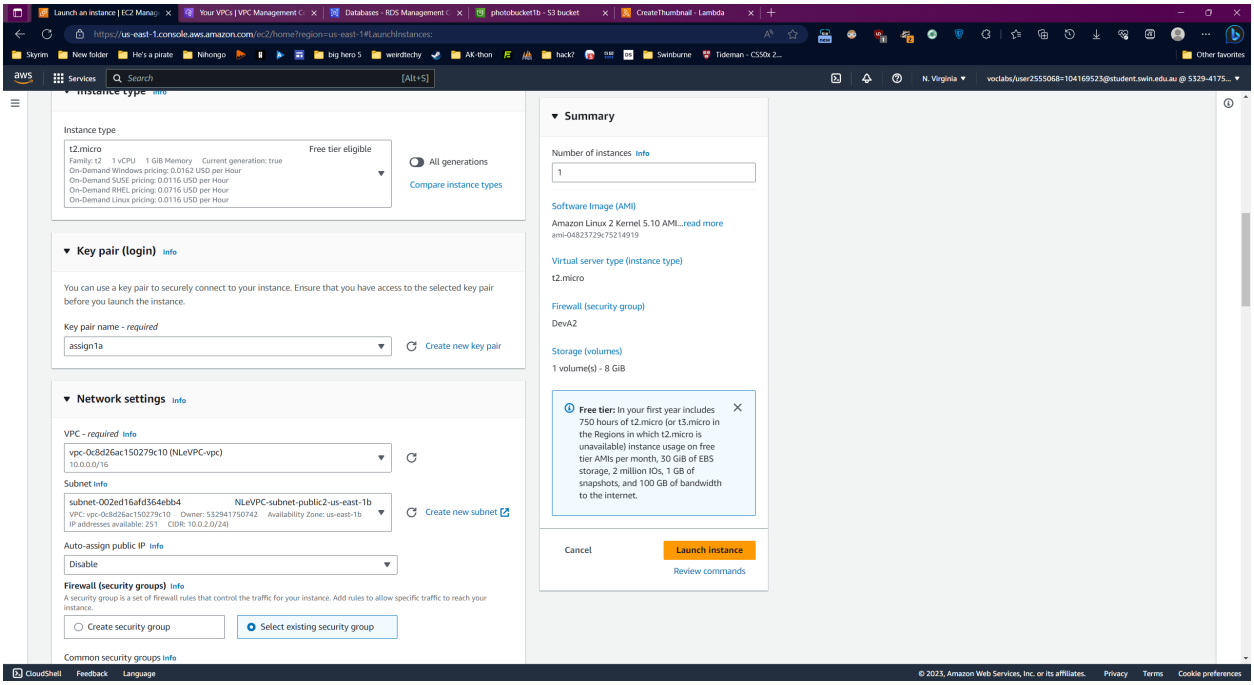
EC2 Instance

Create Dev Server:

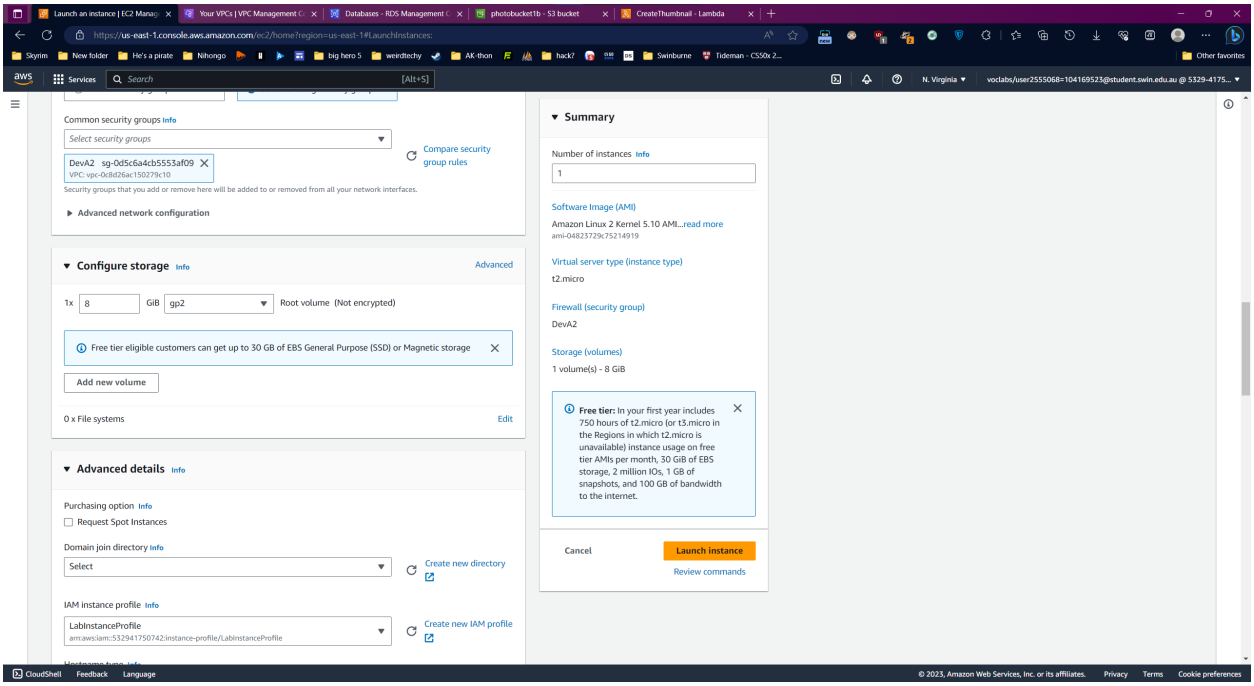
Name, Linux 2 AMI



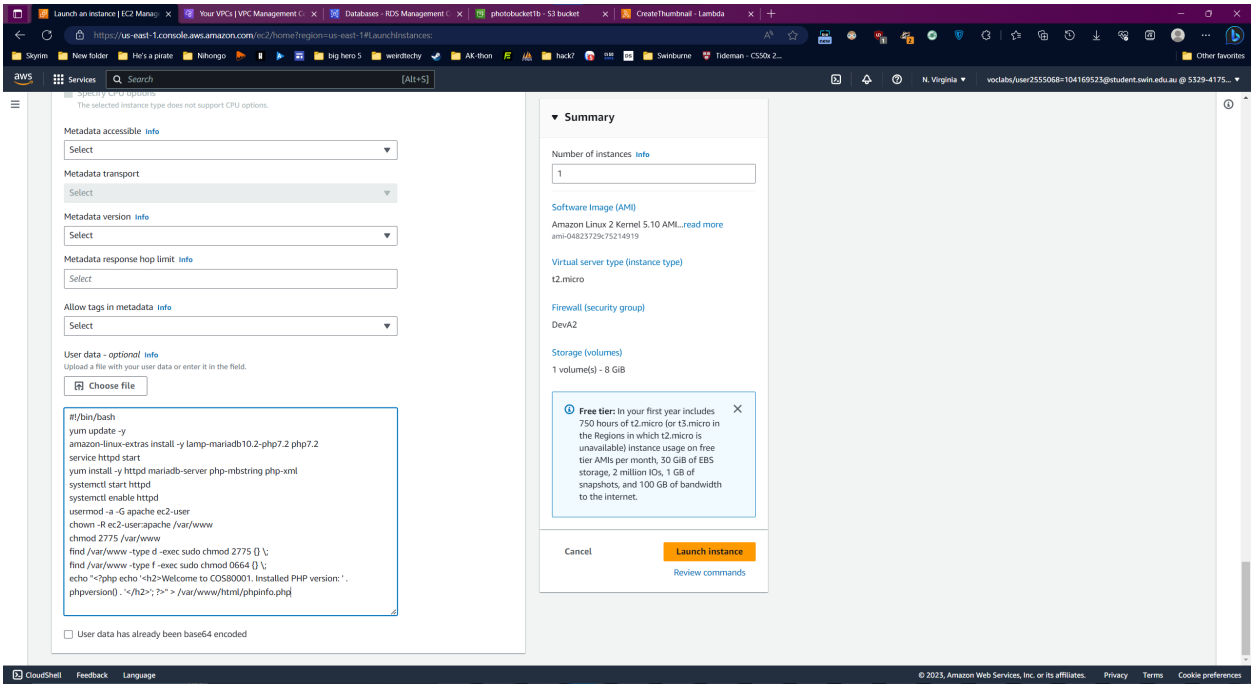
Choose the correct VPC:



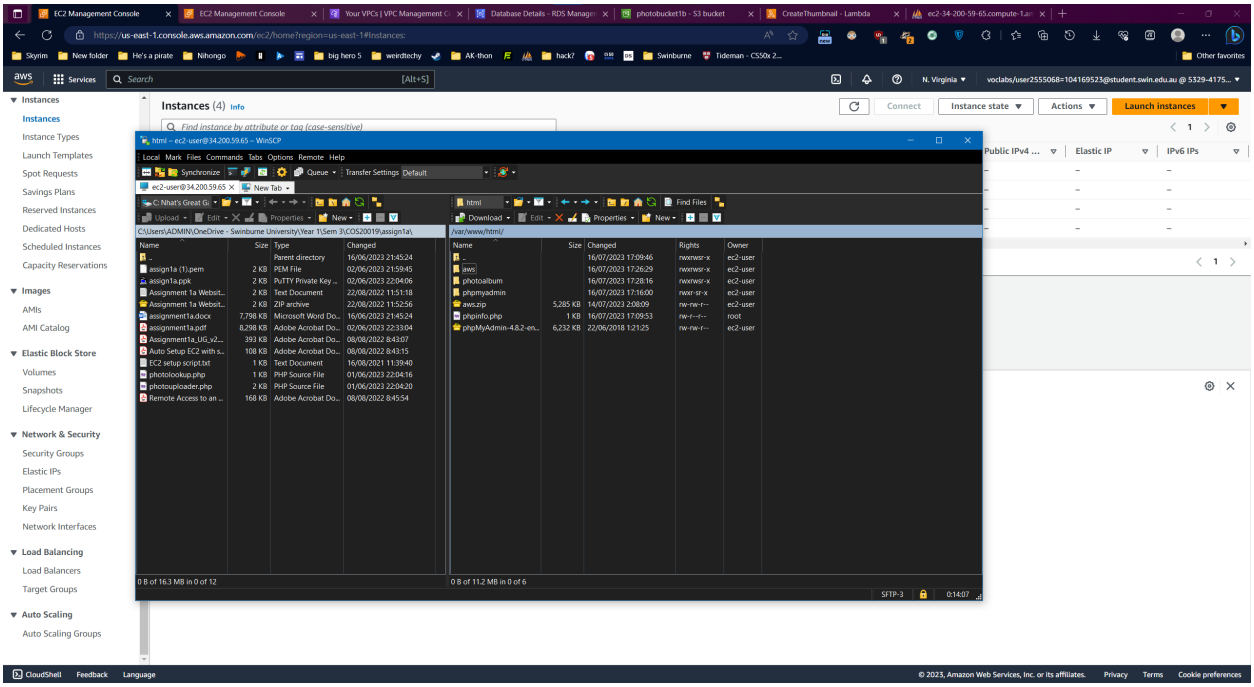
Security Group Dev A2, IAM LabProfile



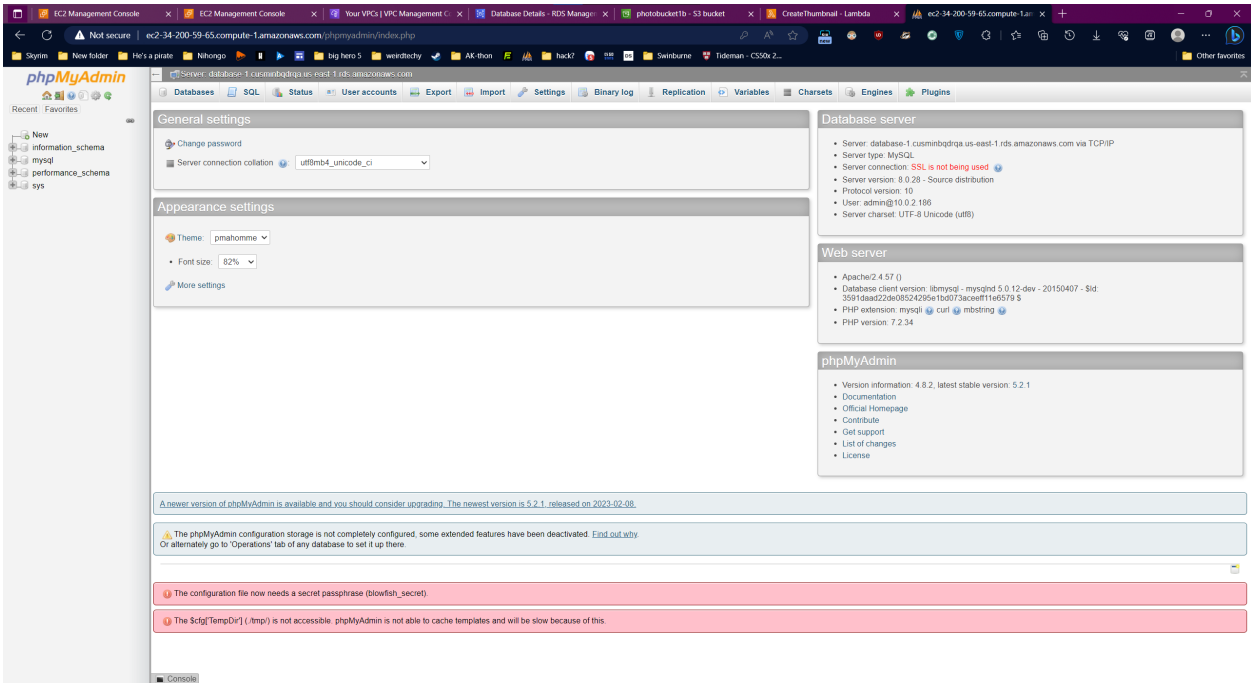
Setup PHP script:



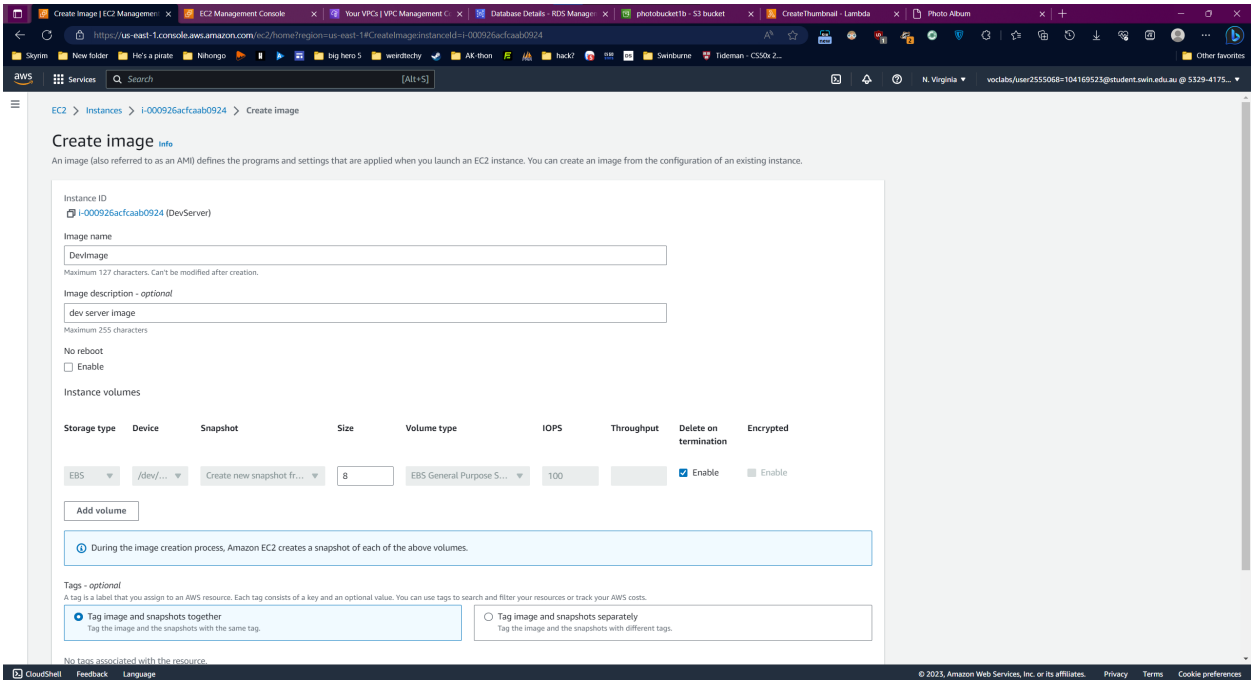
Add phpMyAdmin to WinSCP folder



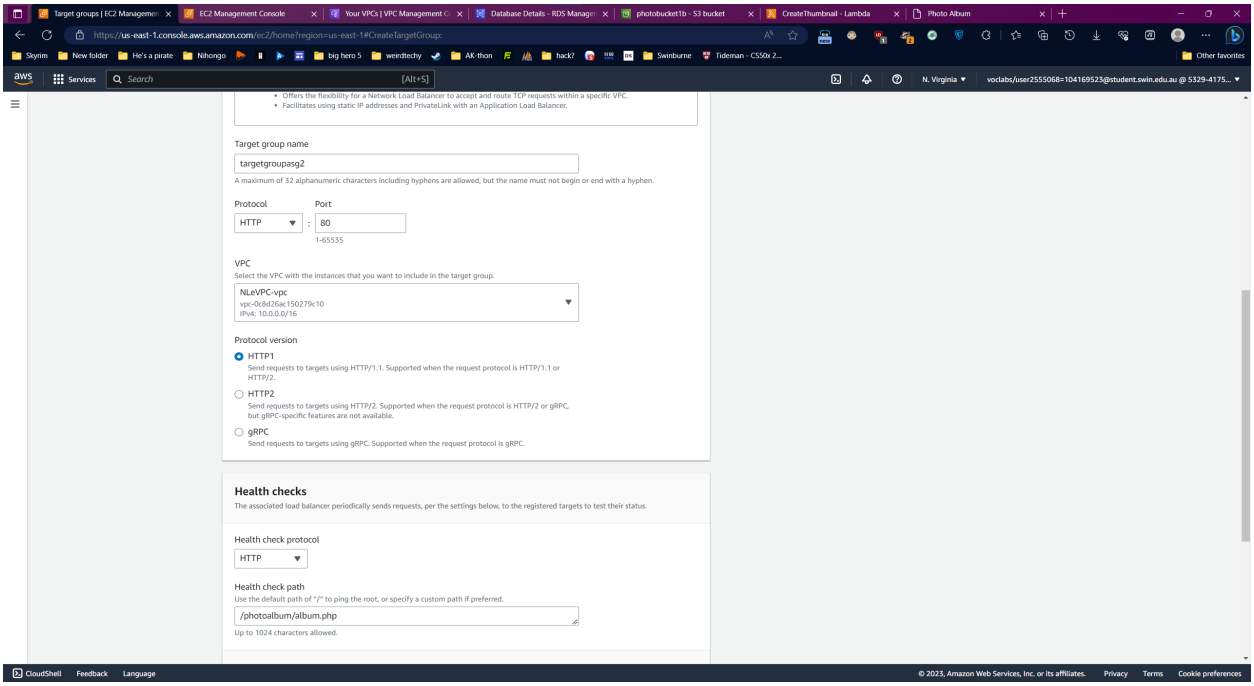
Success!


phpMyAdmin
Recent
Favorites
New
information_schema
mysql
performance_schema
sys
Server: database-1.cusminbqdrqa.us-east-1.rds.amazonaws.com
Databases
SQL
Status
User accounts
Export
Import
Settings
Binary log
Replication
Variables
Charsets
Engines
Plugins
General settings
Change password
Server connection collation
utf8mb4_unicode_ci
Appearance settings
Theme:
pmahomme
Font size:
82%
More settings
Database server
Server: database-1.cusminbqdrqa.us-east-1.rds.amazonaws.com via TCP/IP
Server type: MySQL
Server connection: SSL is not being used
Server version: 8.0.28 - Source distribution
Protocol version: 10
User: admin@10.0.2.186
Server charset: UTF-8 Unicode (utf8)
Web server
Apache/2.4.57 ()
Database client version: libmysql - mysqlnd 5.0.12-dev - 20150407 - $Id: 3591daad22de08524295e1bd073aceeff11e6579 $
PHP extension: mysqli curl mbstring
PHP version: 7.2.34
phpMyAdmin
Version information: 4.8.2, latest stable version: 5.2.1
Documentation
Official Homepage
Contribute
Get support
List of changes
License
A newer version of phpMyAdmin is available and you should consider upgrading. The newest version is 5.2.1, released on 2023-02-08.
The phpMyAdmin configuration storage is not completely configured, some extended features have been deactivated. Find out why.
Or alternately go to 'Operations' tab of any database to set it up there.
The configuration file now needs a secret passphrase (blowfish_secret).
The $cfg['TempDir'] (./tmp/) is not accessible. phpMyAdmin is not able to cache templates and will be slow because of this.
Console

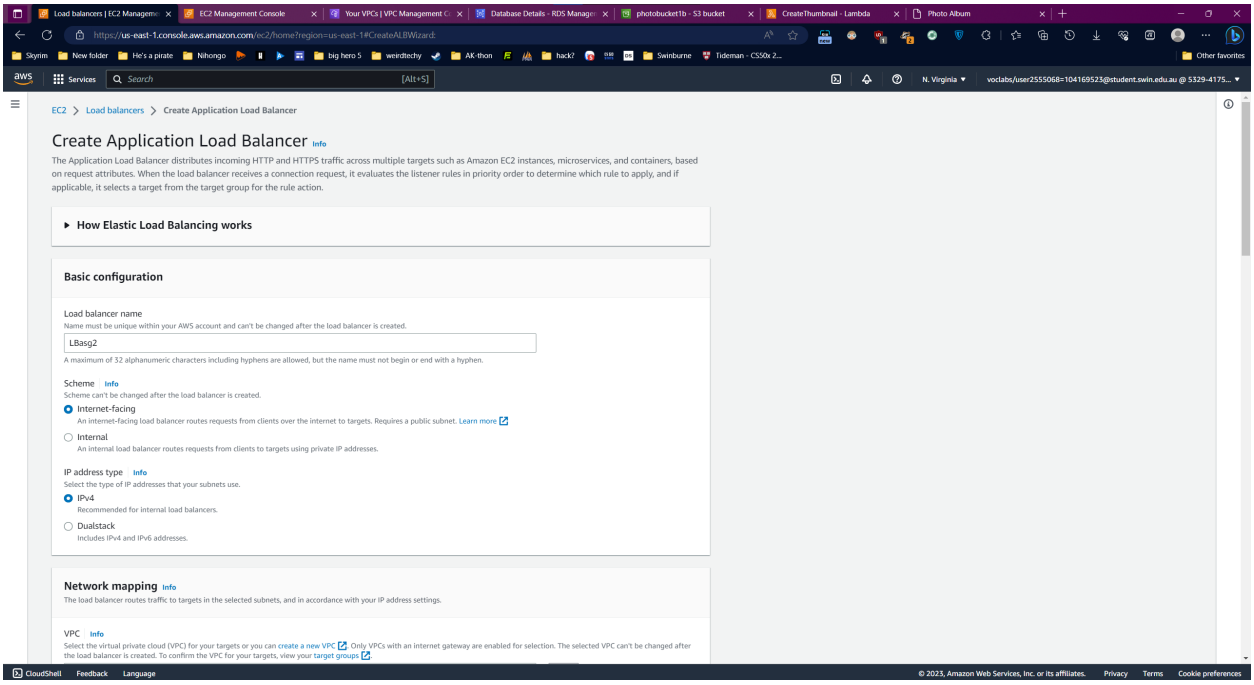
Create AMI


Create Image | EC2 Management
EC2 Management Console
Your VPCs | VPC Management
Database Details - RDS Manage
photobucket1b - S3 bucket
CreateThumbnail - Lambda
Photo Album
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateImage:instanceId=i-000926acfcaab0924
Skyrim
New folder
He's a pirate
Nihongo
big hero 5
weirdtechy
AK-thon
hack?
Swinburne
Tideman - CS50x 2...
Other favorites
aws
Services
Search
[Alt+S]
N. Virginia
voclabs/user2555068=104169523@student.swin.edu.au @ 5329-4175...
EC2 > Instances > i-000926acfcaab0924 > Create image
Create image Info
An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.
Instance ID
i-000926acfcaab0924 (DevServer)
Image name
DevImage
Maximum 127 characters. Can't be modified after creation.
Image description - optional
dev server image
Maximum 255 characters
No reboot
Enable
Instance volumes
Storage type
Device
Snapshot
Size
Volume type
IOPS
Throughput
Delete on termination
Encrypted
EBS
/dev/...
Create new snapshot fr...
8
EBS General Purpose S...
100
Enable
Enable
Add volume
During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.
Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Tag image and snapshots together
Tag the image and the snapshots with the same tag.
Tag image and snapshots separately
Tag the image and the snapshots with different tags.
No tags associated with the resource.
CloudShell
Feedback
Language
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

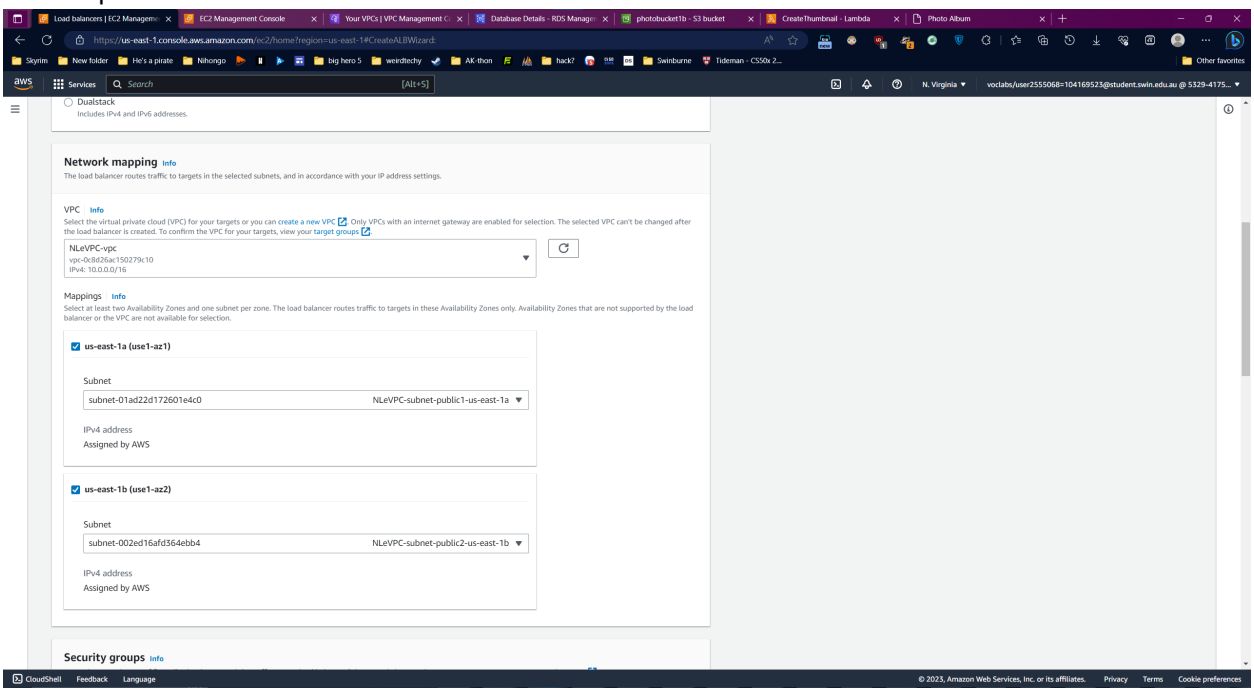
Create Target Group



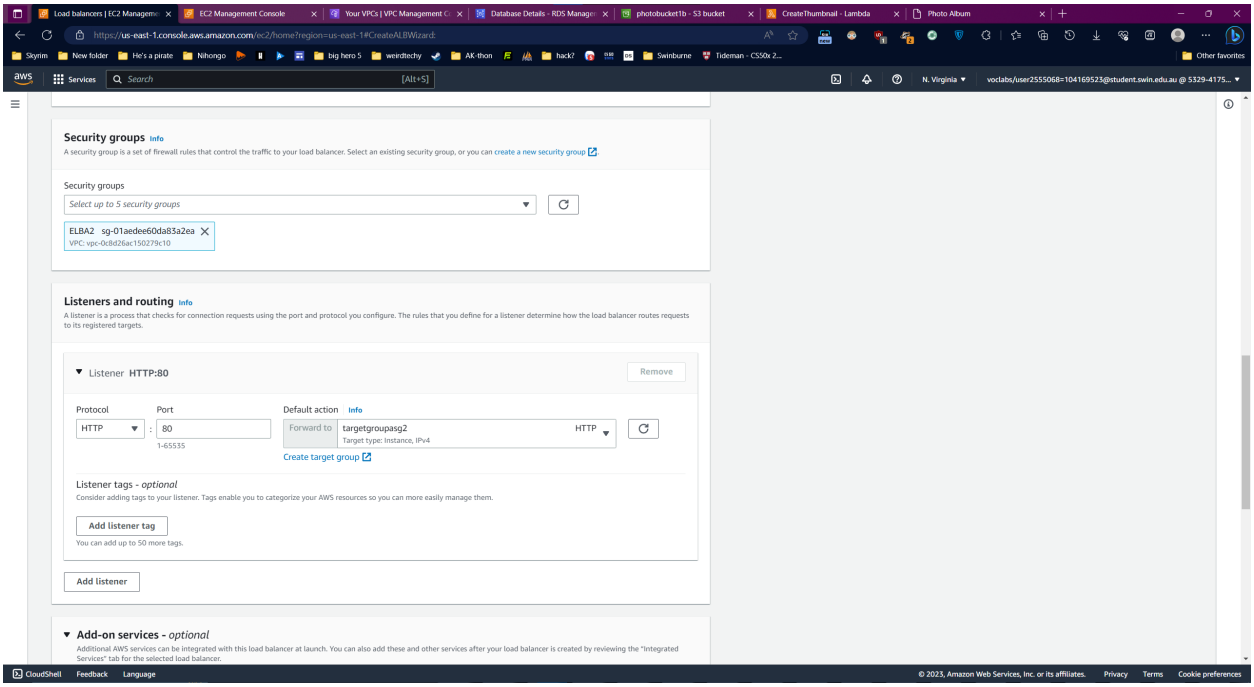
Create Load Balancer



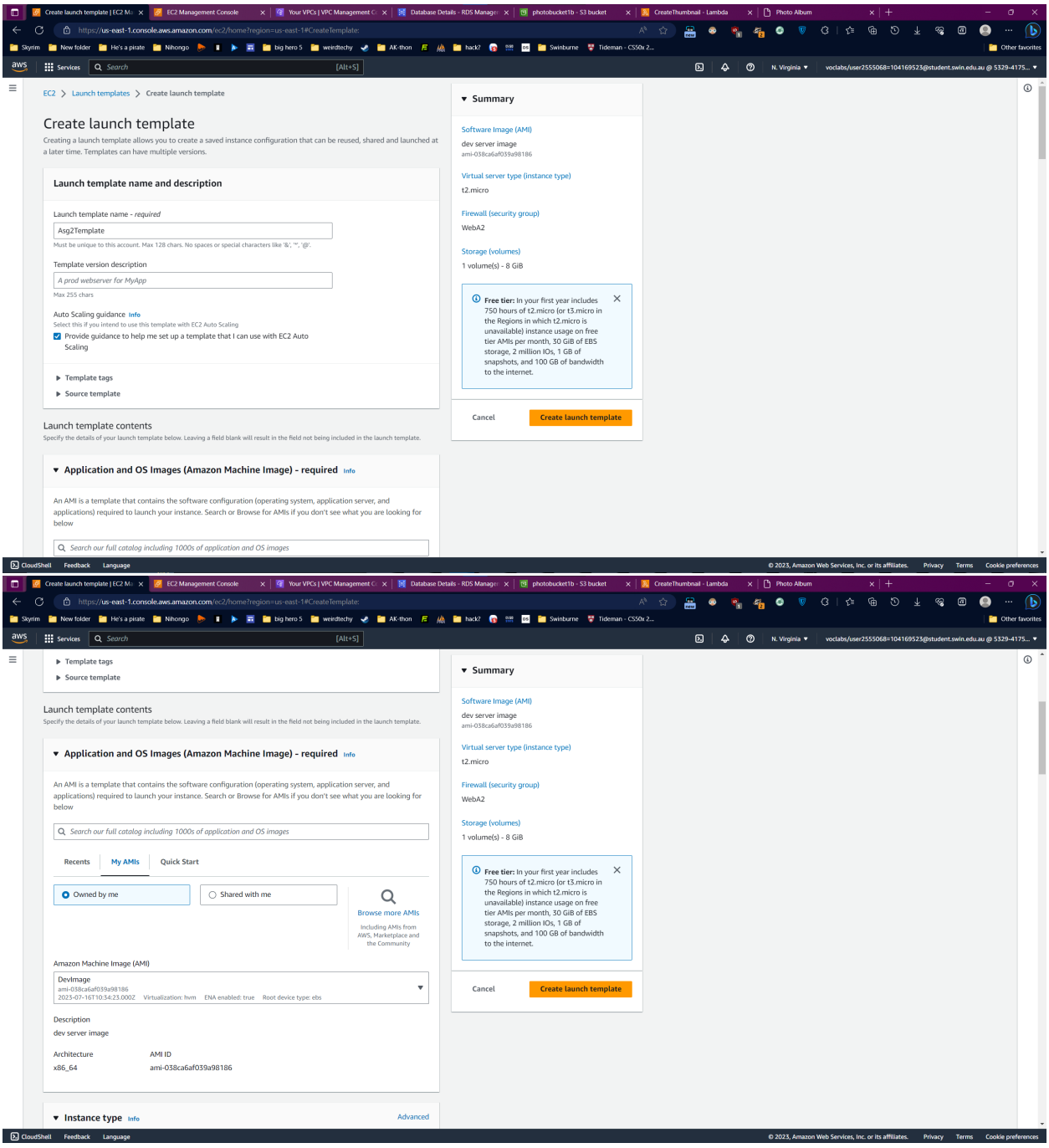
Choose public IPs

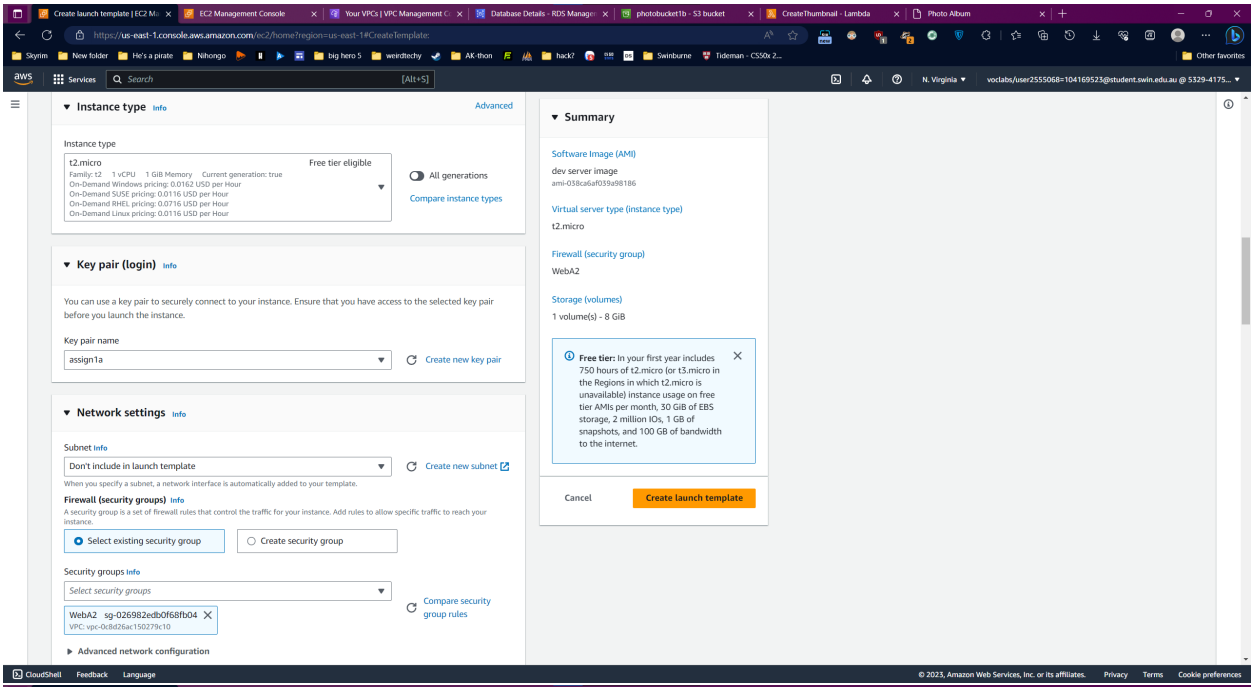


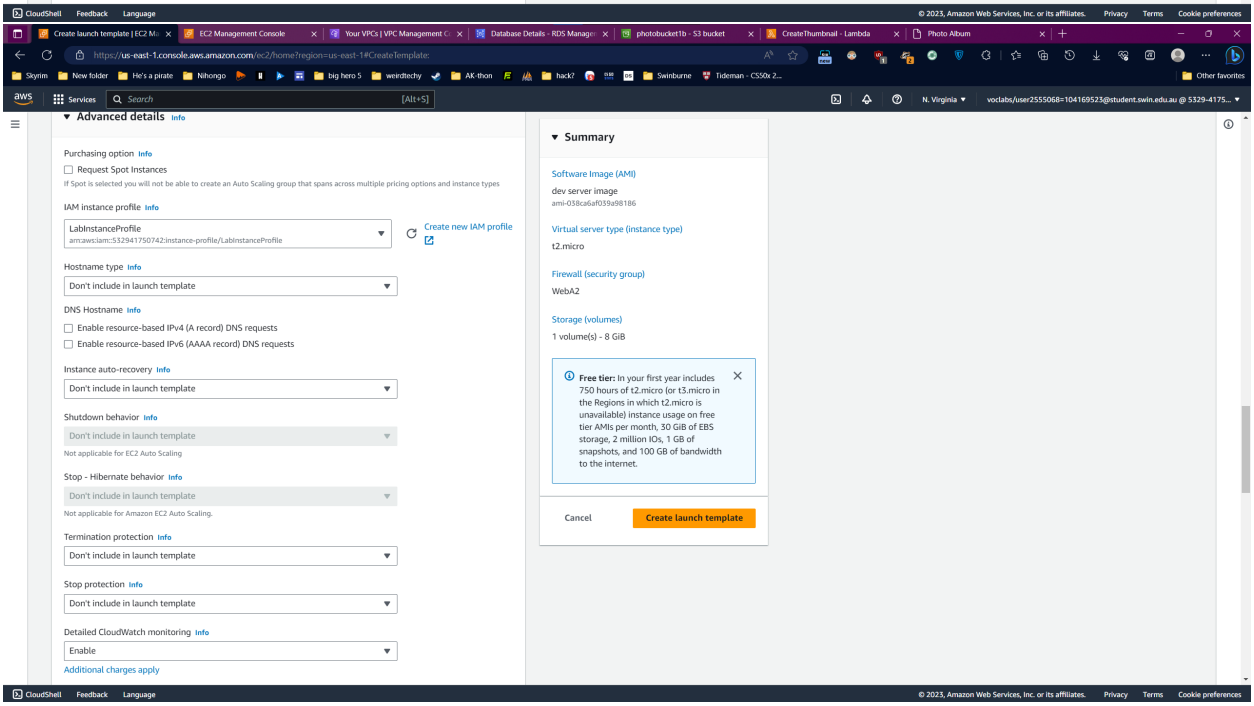
Choose Security group for Load Balancer



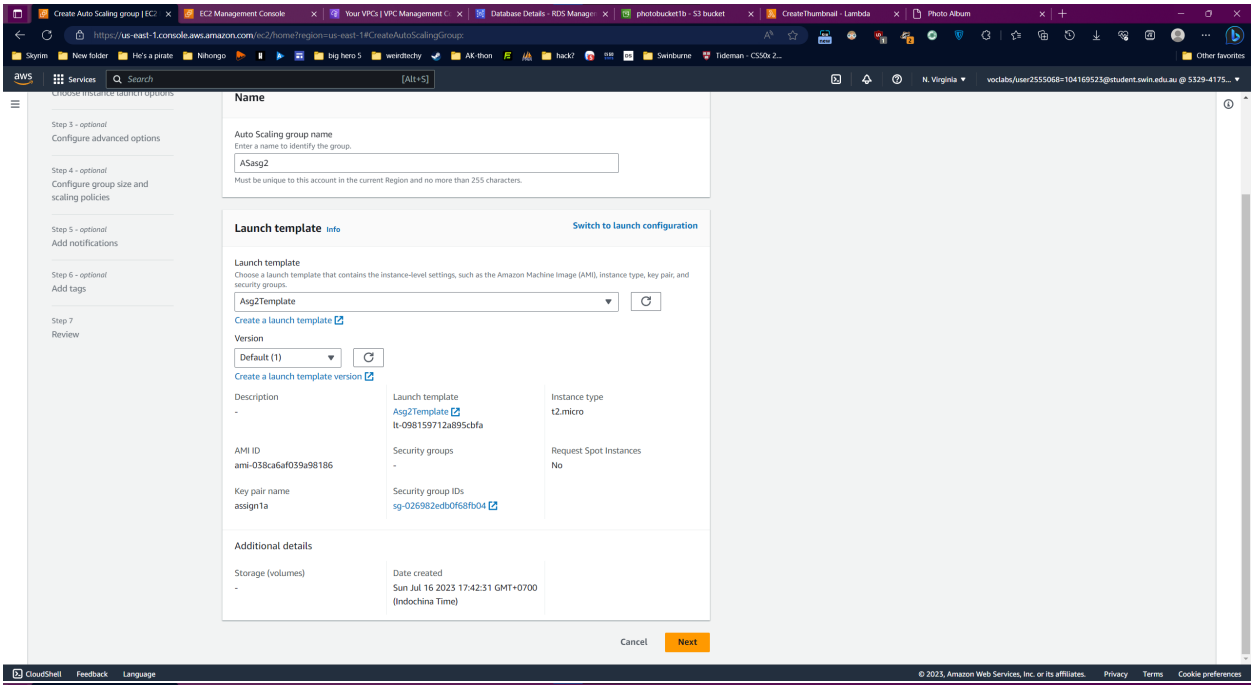
Create Launch Template

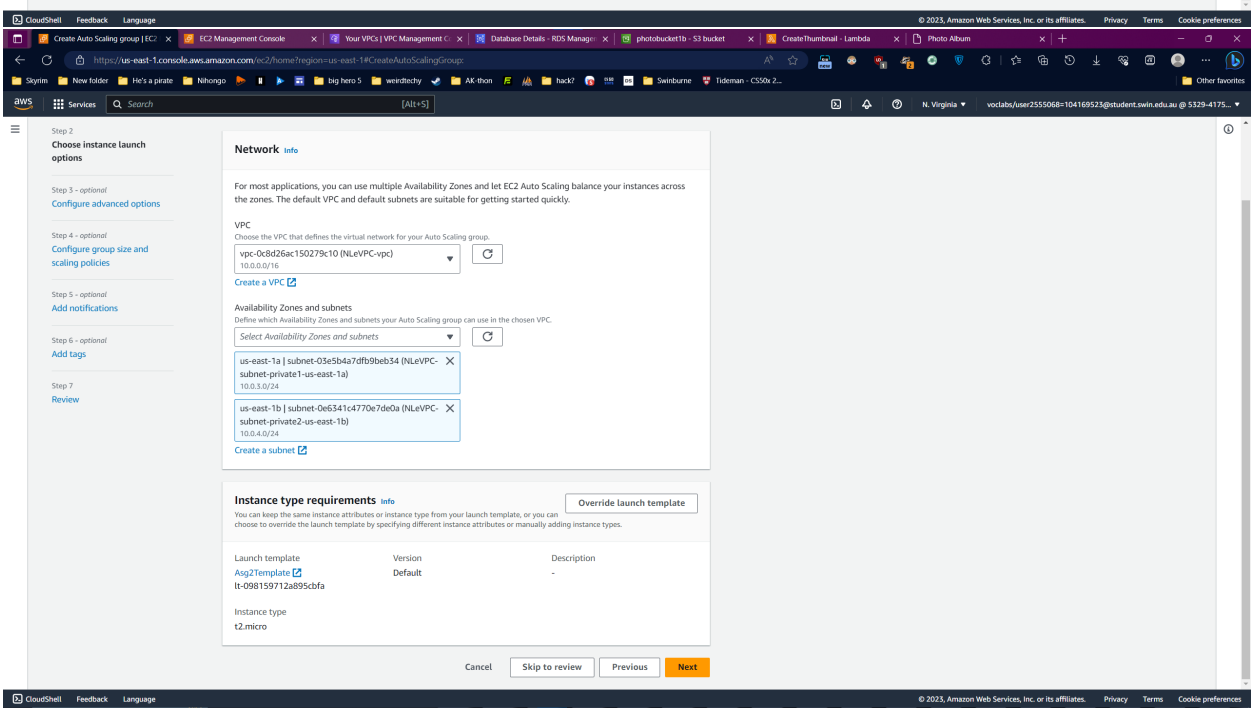


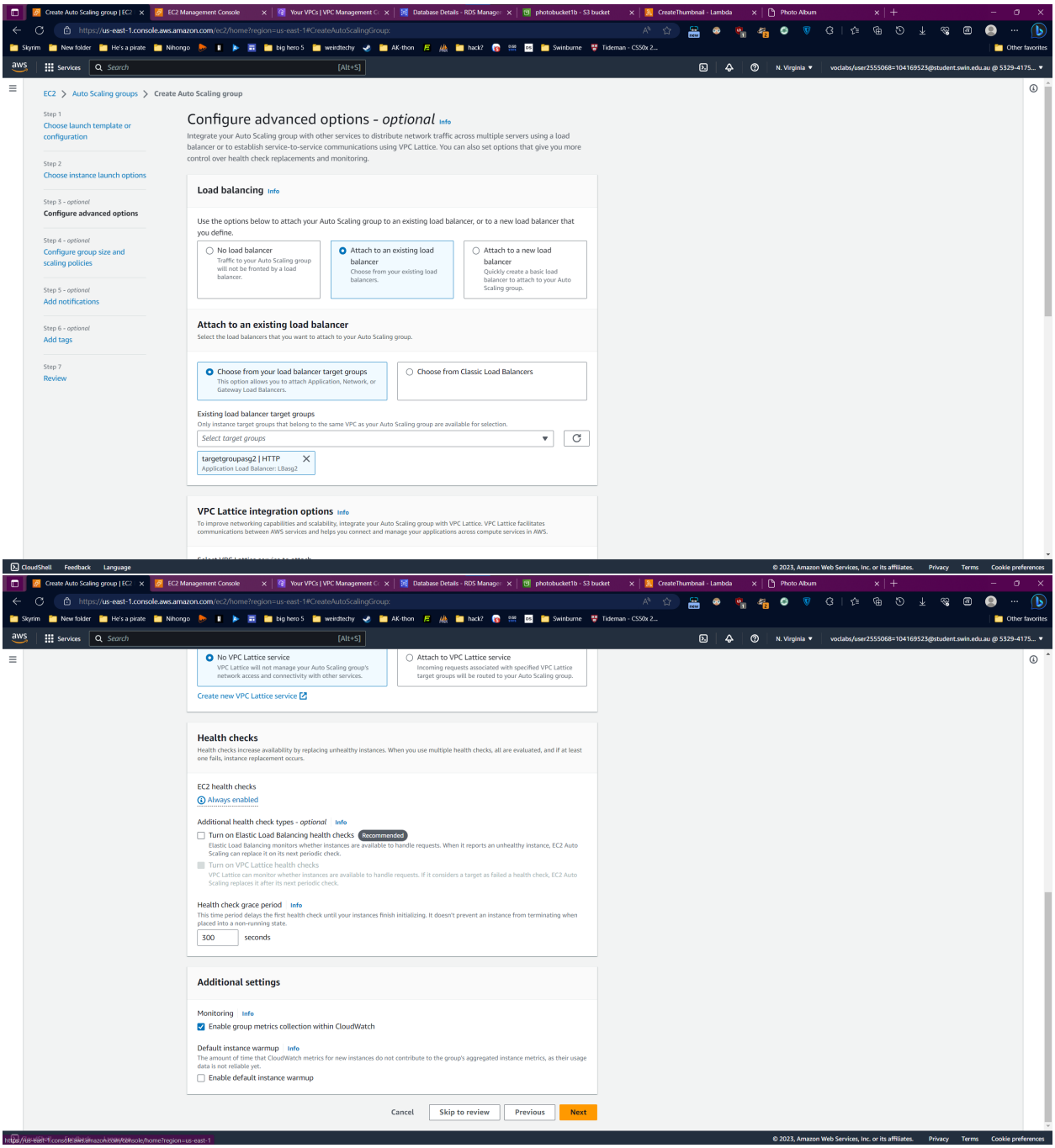

Instance type Info
Advanced
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour
All generations
Compare instance types
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
assign1a
Create new key pair
Network settings Info
Subnet Info
Don't include in launch template
Create new subnet
When you specify a subnet, a network interface is automatically added to your template.
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.
Select existing security group
Create security group
Security groups Info
Select security groups
WebA2 sg-026982edb0f68fb04
VPC: vpc-0c8d26ac150279c10
Compare security group rules
Advanced network configuration
Summary
Software Image (AMI)
dev server image
ami-038ca6af039a98186
Virtual server type (instance type)
t2.micro
Firewall (security group)
WebA2
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, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Create launch template

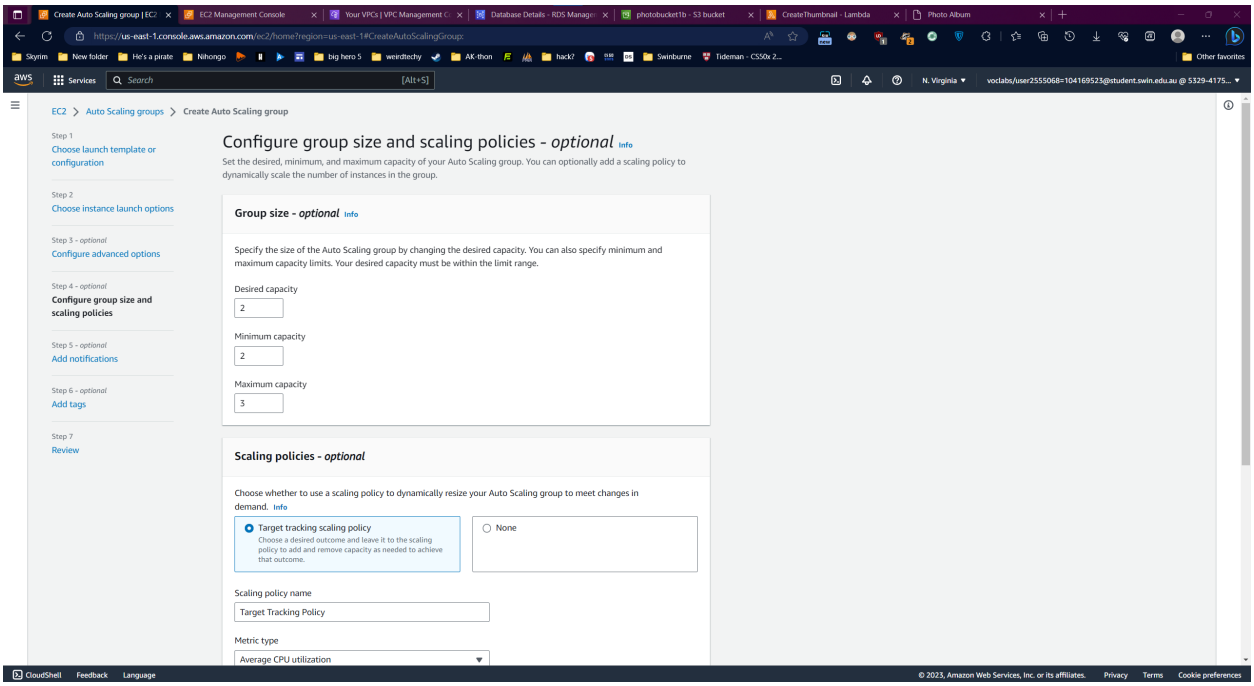

Advanced details Info
Purchasing option Info
Request Spot Instances
If Spot is selected you will not be able to create an Auto Scaling group that spans across multiple pricing options and instance types
IAM instance profile Info
LabInstanceProfile
arn:aws:iam::532941750742:instance-profile/LabInstanceProfile
Create new IAM profile
Hostname type Info
Don't include in launch template
DNS Hostname Info
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Instance auto-recovery Info
Don't include in launch template
Shutdown behavior Info
Don't include in launch template
Not applicable for EC2 Auto Scaling
Stop - Hibernate behavior Info
Don't include in launch template
Not applicable for Amazon EC2 Auto Scaling.
Termination protection Info
Don't include in launch template
Stop protection Info
Don't include in launch template
Detailed CloudWatch monitoring Info
Enable
Additional charges apply
Summary
Software Image (AMI)
dev server image
ami-038ca6af039a98186
Virtual server type (instance type)
t2.micro
Firewall (security group)
WebA2
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, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.
Cancel
Create launch template

Create Auto Scaling Group






Create Auto Scaling group | EC2
EC2 Management Console
Your VPCs | VPC Management
Database Details - RDS Manage
photobucket1b - S3 bucket
CreateThumbnail - Lambda
Photo Album
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:
Skyrim
New folder
He's a pirate
Nihongo
big hero 5
weirdtechy
AK-thon
hack?
Swinburne
Tideman - CS50x 2...
Other favorites
Services
Search
[Alt+S]
N. Virginia
voclabs/user2555068=104169523@student.swin.edu.au @ 5329-4175...
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template or configuration
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling policies
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Configure advanced options - optional Info
Integrate your Auto Scaling group with other services to distribute network traffic across multiple servers using a load balancer or to establish service-to-service communications using VPC Lattice. You can also set options that give you more control over health check replacements and monitoring.
Load balancing Info
Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.
No load balancer
Traffic to your Auto Scaling group will not be fronted by a load balancer.
Attach to an existing load balancer
Choose from your existing load balancers.
Attach to a new load balancer
Quickly create a basic load balancer to attach to your Auto Scaling group.
Attach to an existing load balancer
Select the load balancers that you want to attach to your Auto Scaling group.
Choose from your load balancer target groups
This option allows you to attach Application, Network, or Gateway Load Balancers.
Choose from Classic Load Balancers
Existing load balancer target groups
Only instance target groups that belong to the same VPC as your Auto Scaling group are available for selection.
Select target groups
targetgroupasg2 | HTTP
Application Load Balancer: LBasg2
VPC Lattice integration options Info
To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates communications between AWS services and helps you connect and manage your applications across compute services in AWS.
CloudShell
Feedback
Language
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
No VPC Lattice service
VPC Lattice will not manage your Auto Scaling group's network access and connectivity with other services.
Attach to VPC Lattice service
Incoming requests associated with specified VPC Lattice target groups will be routed to your Auto Scaling group.
Create new VPC Lattice service
Health checks
Health checks increase availability by replacing unhealthy instances. When you use multiple health checks, all are evaluated, and if at least one fails, instance replacement occurs.
EC2 health checks
Always enabled
Additional health check types - optional Info
Turn on Elastic Load Balancing health checks
Recommended
Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto Scaling can replace it on its next periodic check.
Turn on VPC Lattice health checks
VPC Lattice can monitor whether instances are available to handle requests. If it considers a target as failed a health check, EC2 Auto Scaling replaces it after its next periodic check.
Health check grace period Info
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.
300
seconds
Additional settings
Monitoring Info
Enable group metrics collection within CloudWatch
Default instance warmup Info
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.
Enable default instance warmup
Cancel
Skip to review
Previous
Next


Create Auto Scaling group | EC2
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Database Details - RDS Manage
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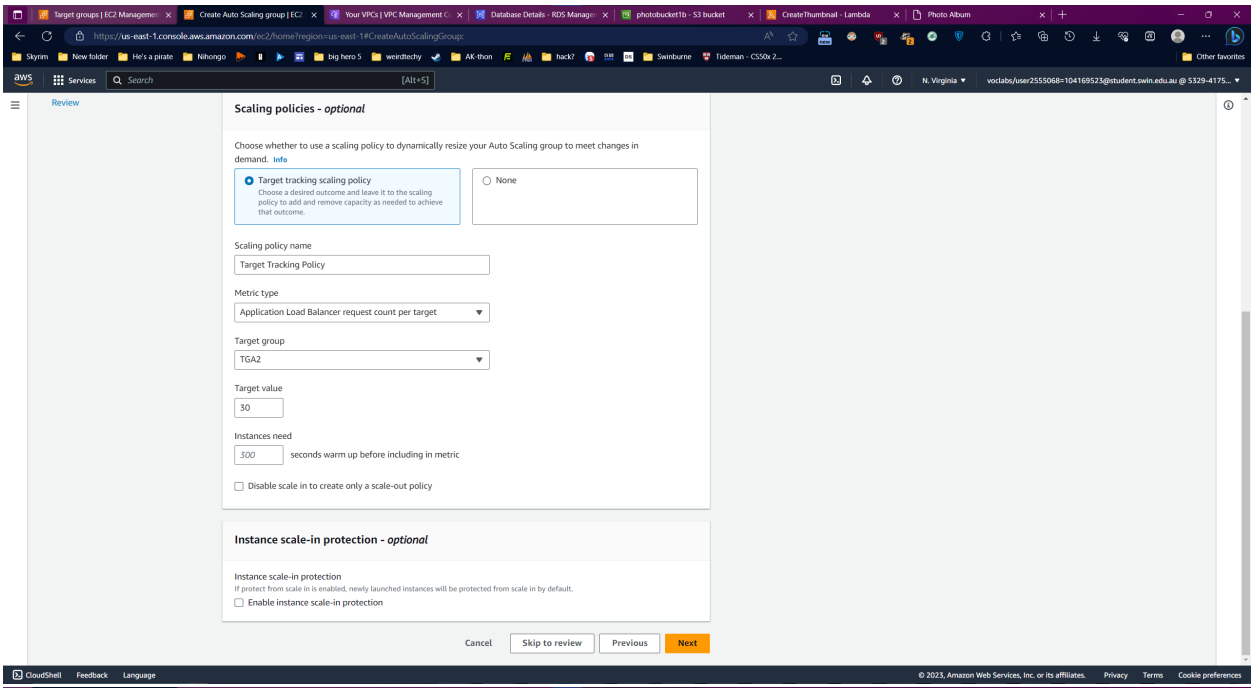
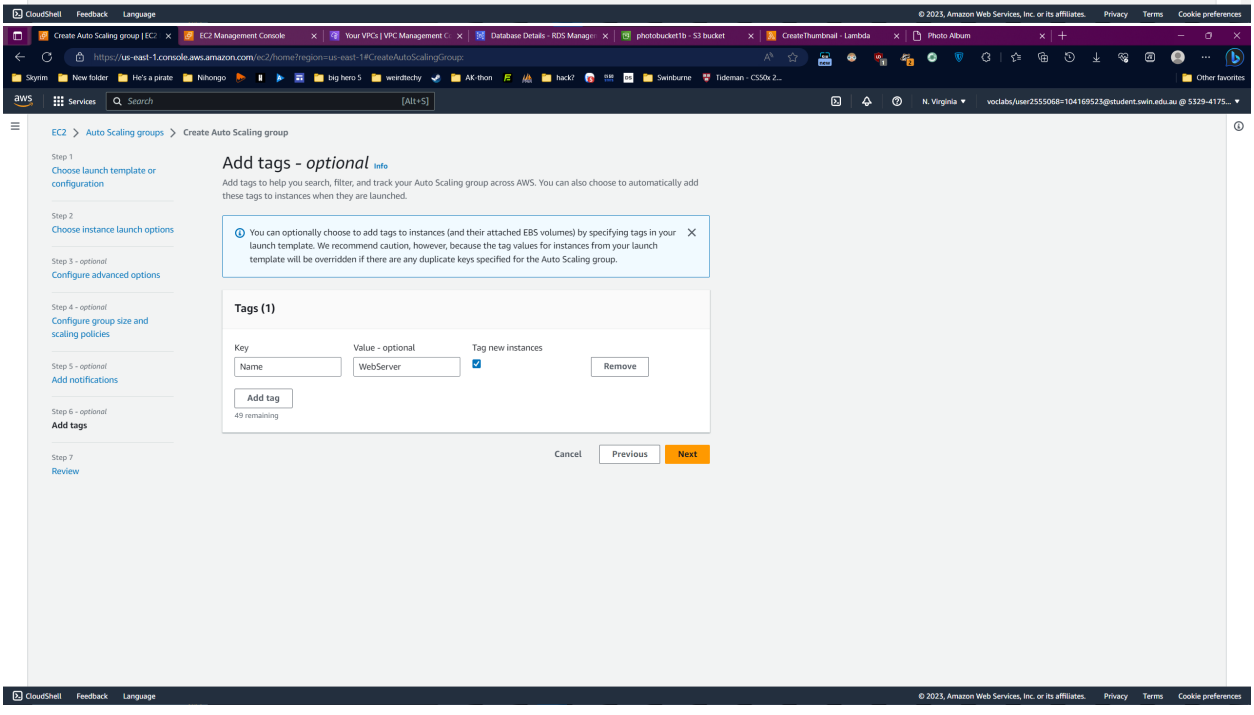
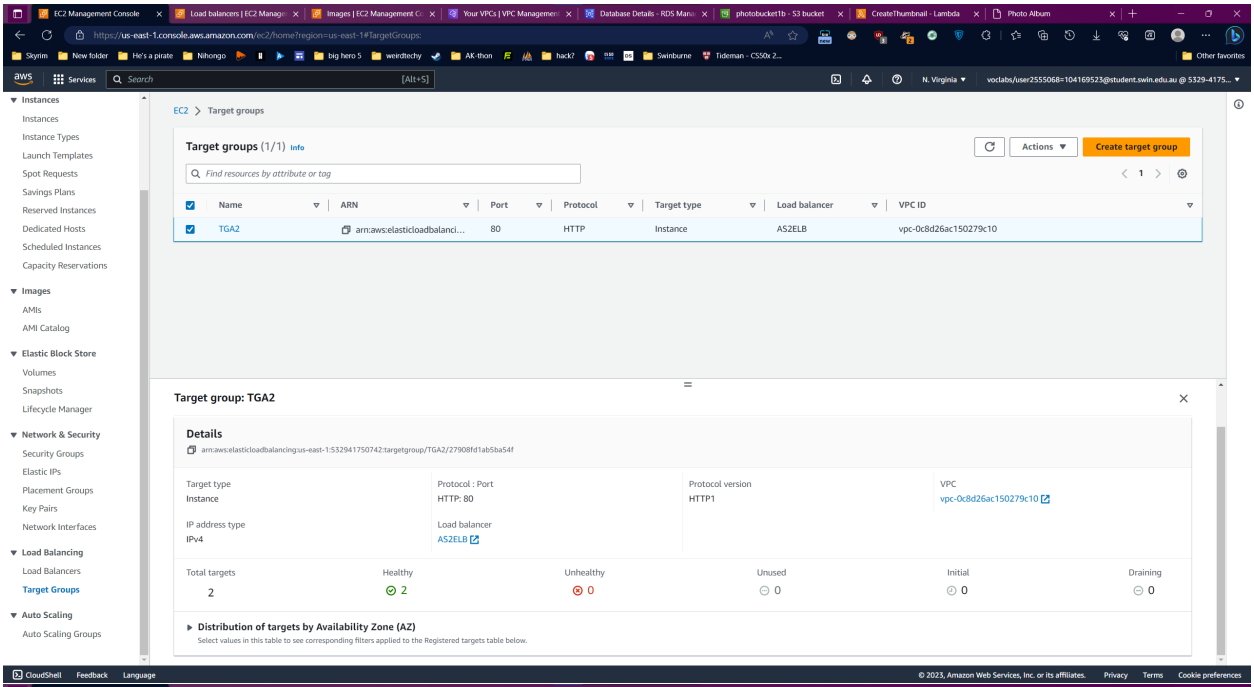
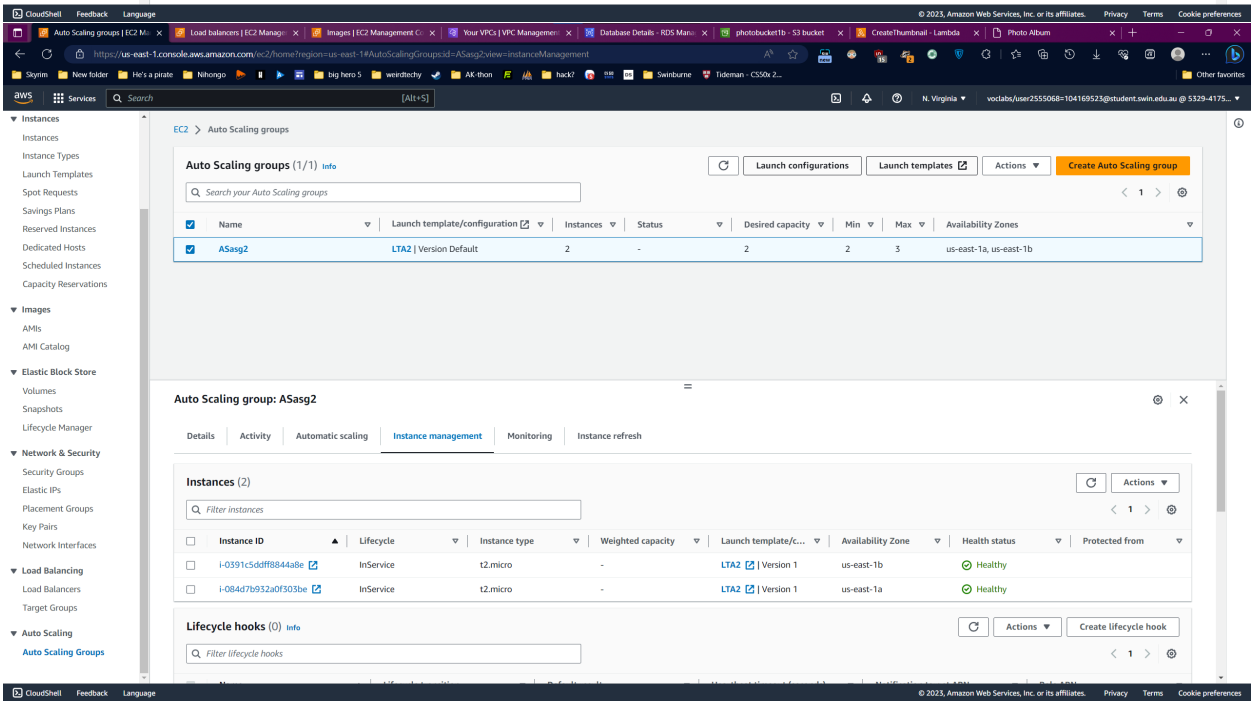
https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:
Skyrim
New folder
He's a pirate
Nihongo
big hero 5
weirdtechy
AK-thon
hack?
Swinburne
Tideman - CS50x 2...
Other favorites
aws
Services
Search
[Alt+S]
N. Virginia
voclabs/user2555068=104169523@student.swin.edu.au @ 5329-4175...
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template or configuration
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling policies
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Configure group size and scaling policies - optional Info
Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.
Group size - optional Info
Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.
Desired capacity
2
Minimum capacity
2
Maximum capacity
3
Scaling policies - optional
Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. Info
Target tracking scaling policy
Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.
None
Scaling policy name
Target Tracking Policy
Metric type
Average CPU utilization
CloudShell
Feedback
Language
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


Review
Scaling policies - optional
Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. Info
Target tracking scaling policy
Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.
None
Scaling policy name
Target Tracking Policy
Metric type
Application Load Balancer request count per target
Target group
TGA2
Target value
30
Instances need
300
seconds warm up before including in metric
Disable scale in to create only a scale-out policy
Instance scale-in protection - optional
Instance scale-in protection
If protect from scale in is enabled, newly launched instances will be protected from scale in by default.
Enable instance scale-in protection
Cancel
Skip to review
Previous
Next


EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template or configuration
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling policies
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Add tags - optional Info
Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.
You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.
Tags (1)
Key
Value - optional
Tag new instances
Name
WebServer
Remove
Add tag
49 remaining
Cancel
Previous
Next

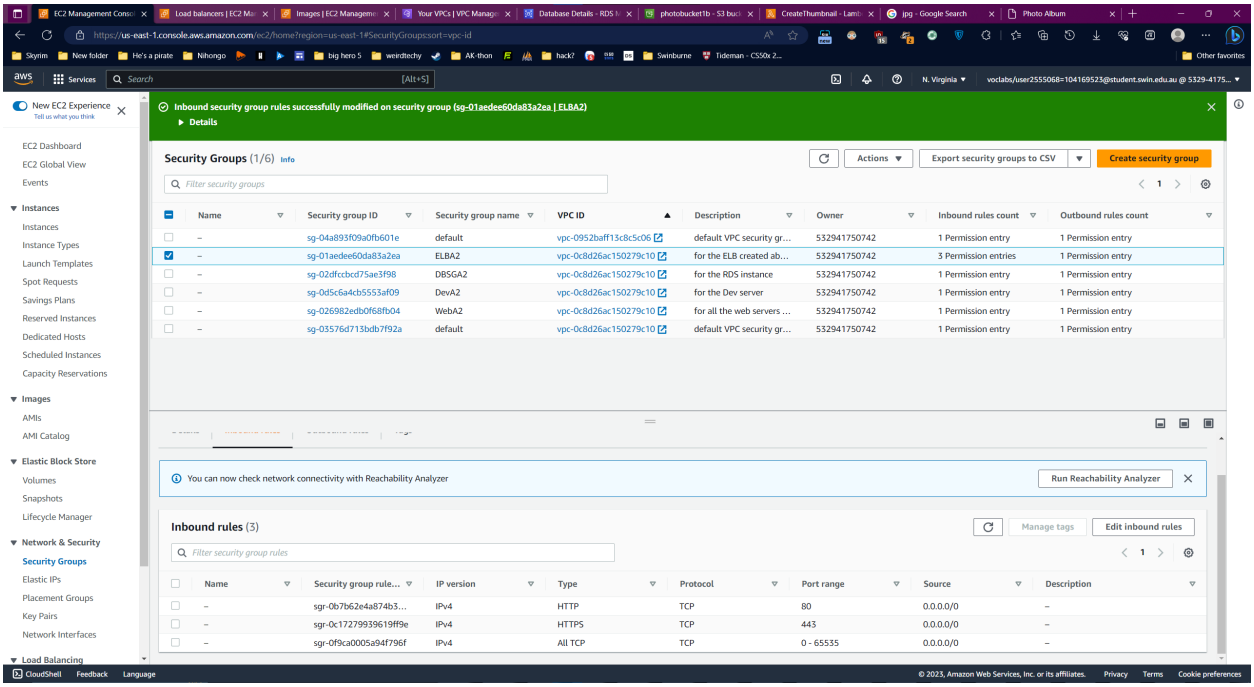
Check Healthy:

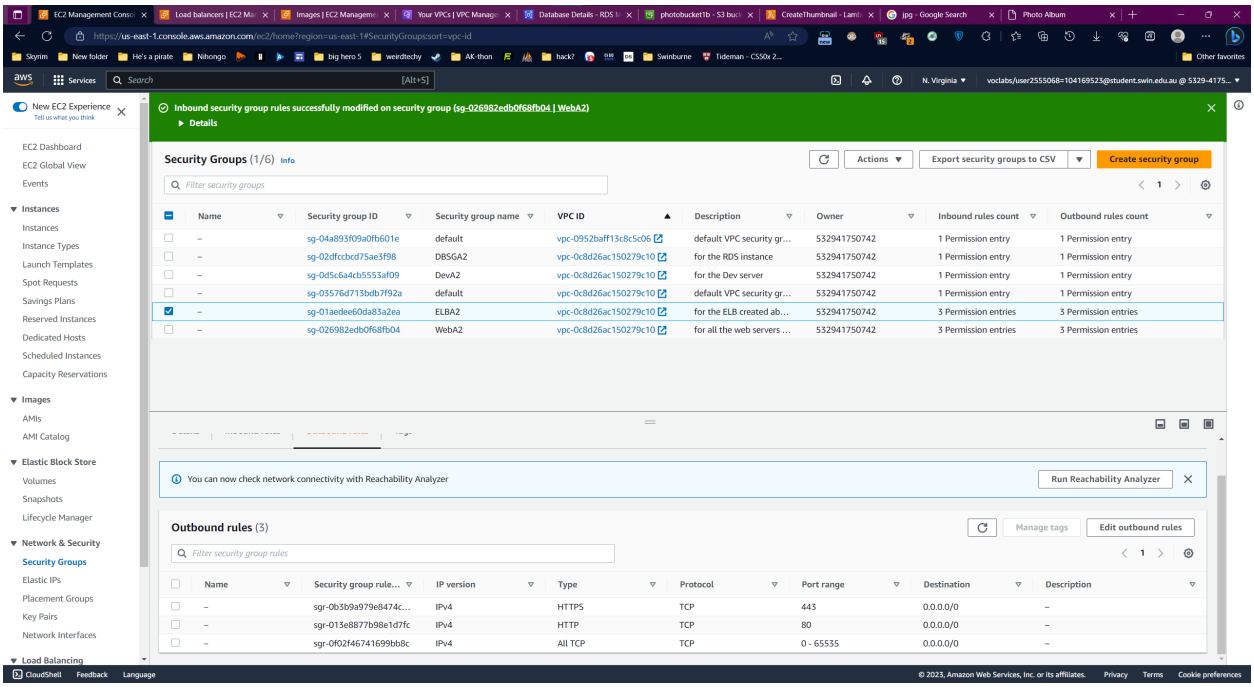




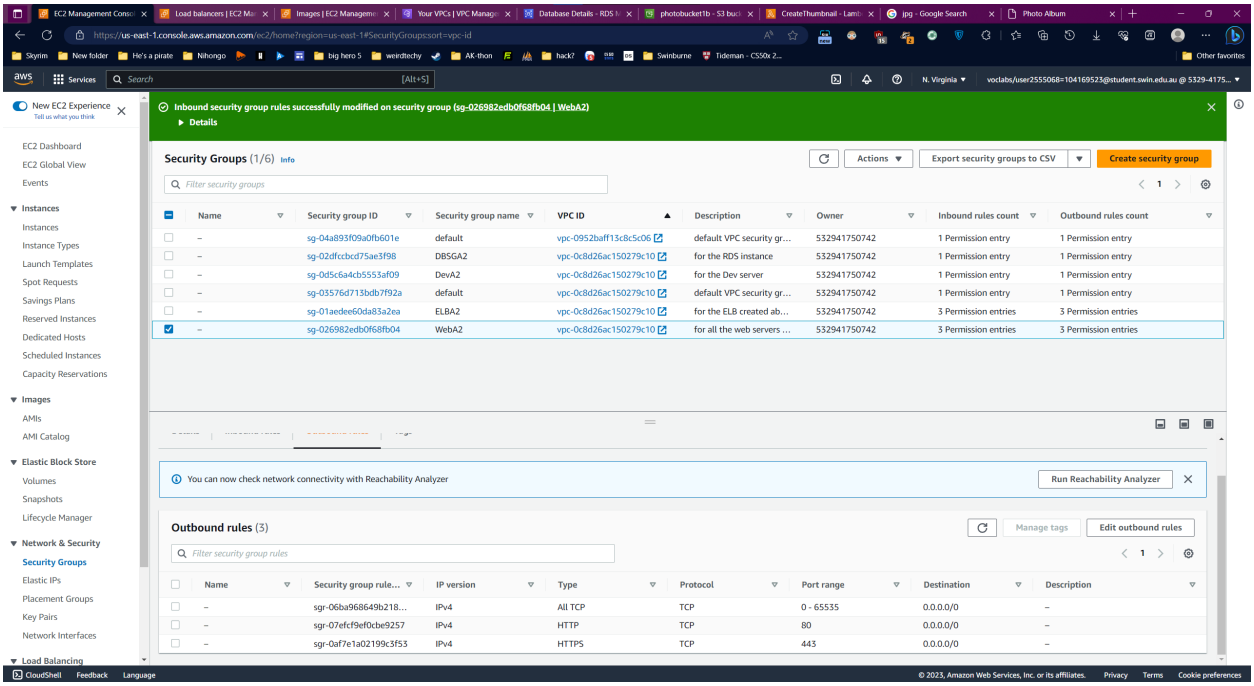
Security group

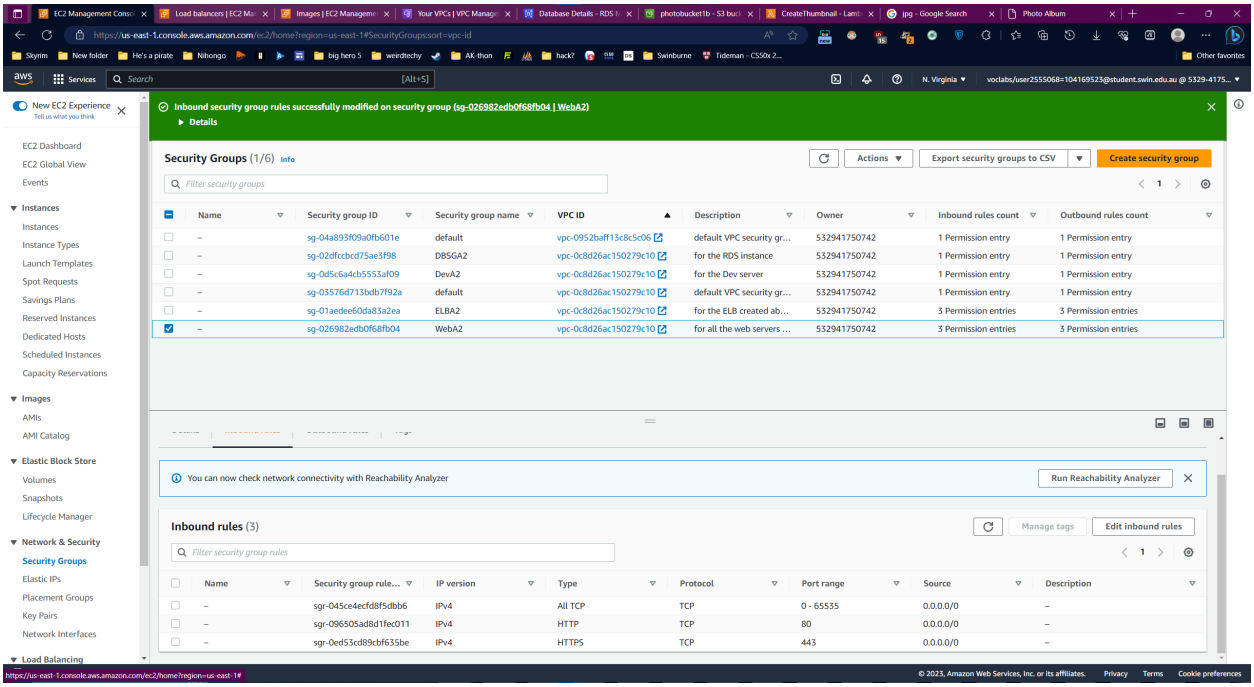
Load Balancer:



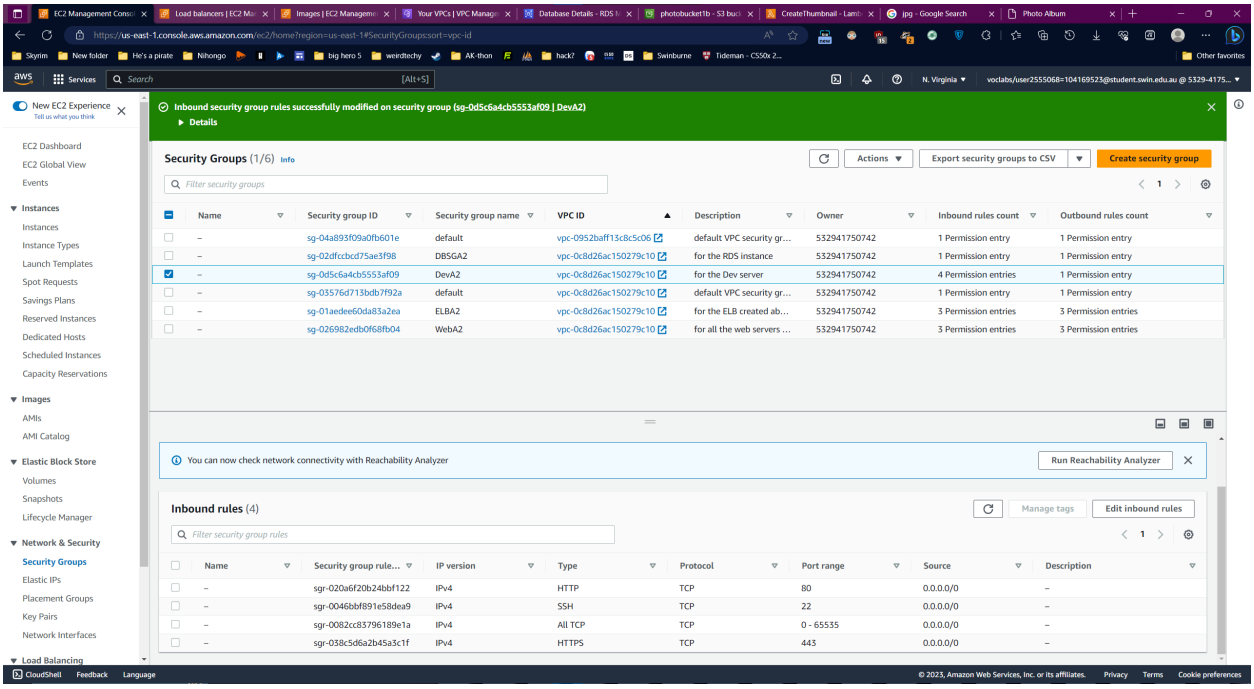


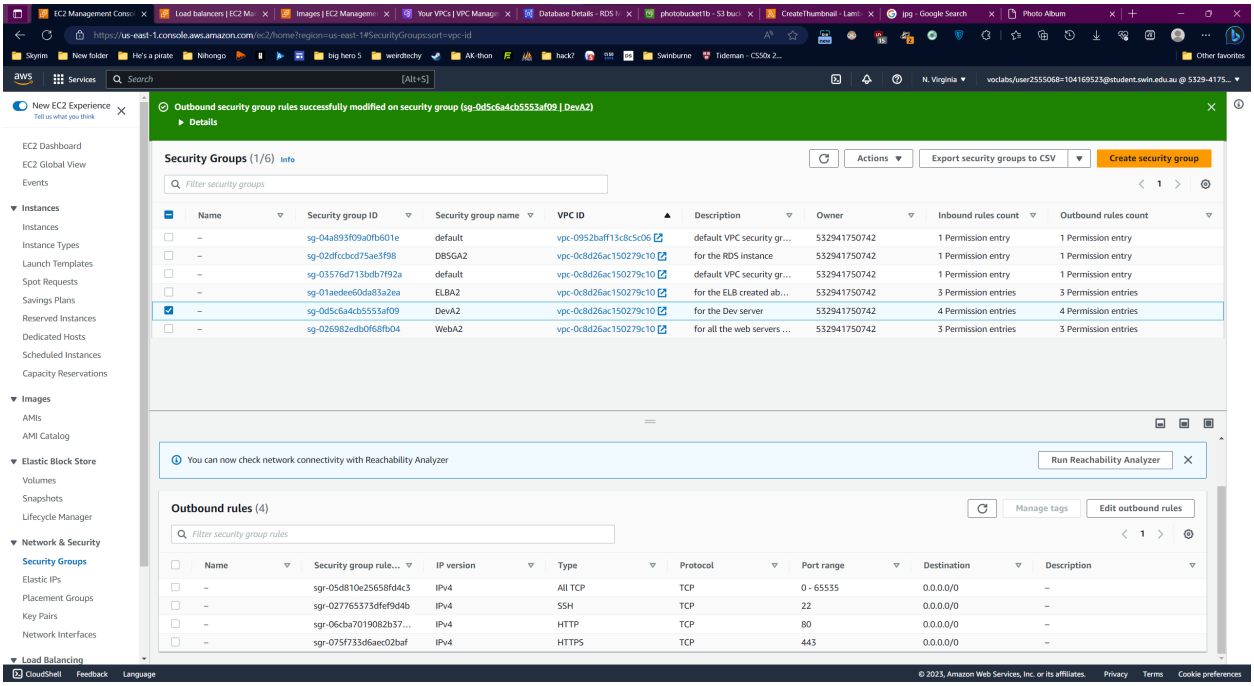
Web security:



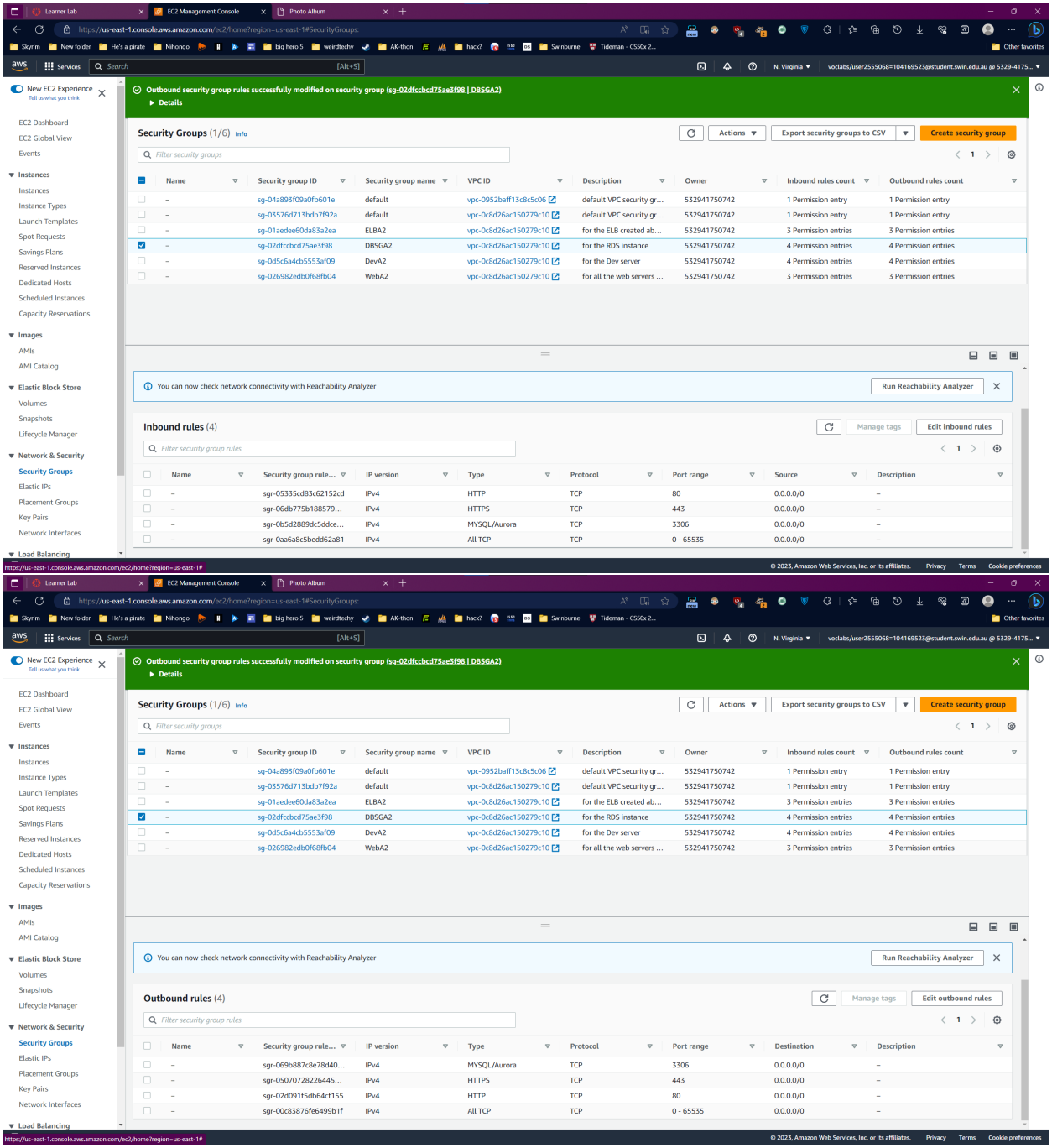


Dev Server:


Inbound security group rules successfully modified on security group (sg-0d5c6a4cb5553af09 | DevA2)
Details
Security Groups (1/6) Info
Actions
Export security groups to CSV
Create security group
Filter security groups
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules count
sg-04a893f09a0fb601e default vpc-0952baff13c8c5c06 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
sg-02dfccbcd75ae3f98 DBSGA2 vpc-0c8d26ac150279c10 for the RDS instance 532941750742 1 Permission entry 1 Permission entry
sg-0d5c6a4cb5553af09 DevA2 vpc-0c8d26ac150279c10 for the Dev server 532941750742 4 Permission entries 1 Permission entry
sg-03576d713bdb7f92a default vpc-0c8d26ac150279c10 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
sg-01aedee60da83a2ea ELBA2 vpc-0c8d26ac150279c10 for the ELB created ab... 532941750742 3 Permission entries 3 Permission entries
sg-026982edb0f68fb04 WebA2 vpc-0c8d26ac150279c10 for all the web servers ... 532941750742 3 Permission entries 3 Permission entries
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Inbound rules (4)
Manage tags
Edit inbound rules
Filter security group rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Source
Description
sgr-020a6f20b24bbf122 IPv4 HTTP TCP 80 0.0.0.0/0
sgr-0046bbf891e58dea9 IPv4 SSH TCP 22 0.0.0.0/0
sgr-0082cc83796189e1a IPv4 All TCP TCP 0 - 65535 0.0.0.0/0
sgr-038c5d6a2b45a3c1f IPv4 HTTPS TCP 443 0.0.0.0/0


Outbound security group rules successfully modified on security group (sg-0d5c6a4cb5553af09 | DevA2)
Details
Security Groups (1/6) Info
Actions
Export security groups to CSV
Create security group
Filter security groups
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules count
sg-04a893f09a0fb601e default vpc-0952baff13c8c5c06 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
sg-02dfccbcd75ae3f98 DBSGA2 vpc-0c8d26ac150279c10 for the RDS instance 532941750742 1 Permission entry 1 Permission entry
sg-03576d713bdb7f92a default vpc-0c8d26ac150279c10 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
sg-01aedee60da83a2ea ELBA2 vpc-0c8d26ac150279c10 for the ELB created ab... 532941750742 3 Permission entries 3 Permission entries
sg-0d5c6a4cb5553af09 DevA2 vpc-0c8d26ac150279c10 for the Dev server 532941750742 4 Permission entries 4 Permission entries
sg-026982edb0f68fb04 WebA2 vpc-0c8d26ac150279c10 for all the web servers ... 532941750742 3 Permission entries 3 Permission entries
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Outbound rules (4)
Manage tags
Edit outbound rules
Filter security group rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Destination
Description
sgr-05d810e25658fd4c3 IPv4 All TCP TCP 0 - 65535 0.0.0.0/0
sgr-027765373dfef9d4b IPv4 SSH TCP 22 0.0.0.0/0
sgr-06cba7019082b37... IPv4 HTTP TCP 80 0.0.0.0/0
sgr-075f733d6aec02baf IPv4 HTTPS TCP 443 0.0.0.0/0

RDS:


Outbound security group rules successfully modified on security group (sg-02dfccbcd75ae3f98 | DBSGA2)
Details
Security Groups (1/6) Info
Actions
Export security groups to CSV
Create security group
Filter security groups
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules count
– sg-04a893f09a0fb601e default vpc-0952baff13c8c5c06 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
– sg-03576d713bdb7f92a default vpc-0c8d26ac150279c10 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
– sg-01aedee60da83a2ea ELBA2 vpc-0c8d26ac150279c10 for the ELB created ab... 532941750742 3 Permission entries 3 Permission entries
– sg-02dfccbcd75ae3f98 DBSGA2 vpc-0c8d26ac150279c10 for the RDS instance 532941750742 4 Permission entries 4 Permission entries
– sg-0d5c6a4cb5553af09 DevA2 vpc-0c8d26ac150279c10 for the Dev server 532941750742 4 Permission entries 4 Permission entries
– sg-026982edb0f68fb04 WebA2 vpc-0c8d26ac150279c10 for all the web servers ... 532941750742 3 Permission entries 3 Permission entries
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Inbound rules (4)
Manage tags
Edit inbound rules
Filter security group rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Source
Description
– sgr-05335cd83c62152cd IPv4 HTTP TCP 80 0.0.0.0/0 –
– sgr-06db775b188579... IPv4 HTTPS TCP 443 0.0.0.0/0 –
– sgr-0b5d2889dc5ddce... IPv4 MYSQL/Aurora TCP 3306 0.0.0.0/0 –
– sgr-0aa6a8c5bedd62a81 IPv4 All TCP TCP 0 - 65535 0.0.0.0/0 –
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Outbound security group rules successfully modified on security group (sg-02dfccbcd75ae3f98 | DBSGA2)
Details
Security Groups (1/6) Info
Actions
Export security groups to CSV
Create security group
Filter security groups
Name
Security group ID
Security group name
VPC ID
Description
Owner
Inbound rules count
Outbound rules count
– sg-04a893f09a0fb601e default vpc-0952baff13c8c5c06 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
– sg-03576d713bdb7f92a default vpc-0c8d26ac150279c10 default VPC security gr... 532941750742 1 Permission entry 1 Permission entry
– sg-01aedee60da83a2ea ELBA2 vpc-0c8d26ac150279c10 for the ELB created ab... 532941750742 3 Permission entries 3 Permission entries
– sg-02dfccbcd75ae3f98 DBSGA2 vpc-0c8d26ac150279c10 for the RDS instance 532941750742 4 Permission entries 4 Permission entries
– sg-0d5c6a4cb5553af09 DevA2 vpc-0c8d26ac150279c10 for the Dev server 532941750742 4 Permission entries 4 Permission entries
– sg-026982edb0f68fb04 WebA2 vpc-0c8d26ac150279c10 for all the web servers ... 532941750742 3 Permission entries 3 Permission entries
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Outbound rules (4)
Manage tags
Edit outbound rules
Filter security group rules
Name
Security group rule...
IP version
Type
Protocol
Port range
Destination
Description
– sgr-069b887c8e78d40... IPv4 MYSQL/Aurora TCP 3306 0.0.0.0/0 –
– sgr-05070728226445... IPv4 HTTPS TCP 443 0.0.0.0/0 –
– sgr-02d091f5db64cf155 IPv4 HTTP TCP 80 0.0.0.0/0 –
– sgr-00c83876fe6499b1f IPv4 All TCP TCP 0 - 65535 0.0.0.0/0 –
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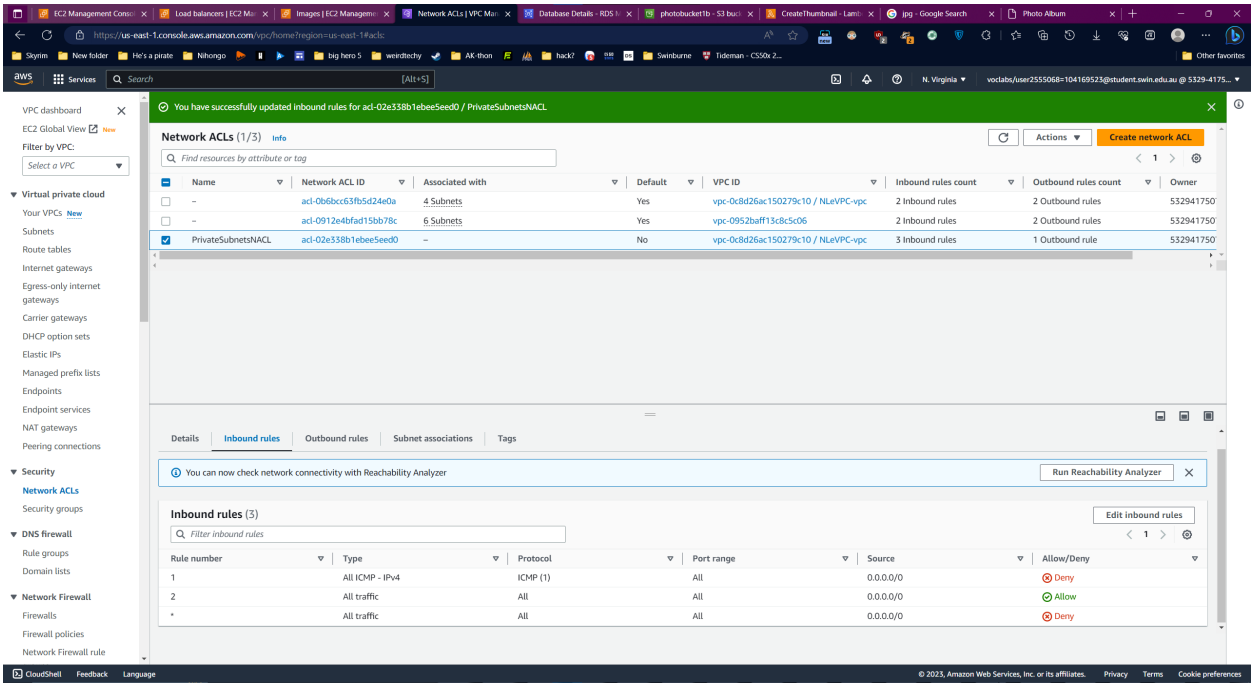
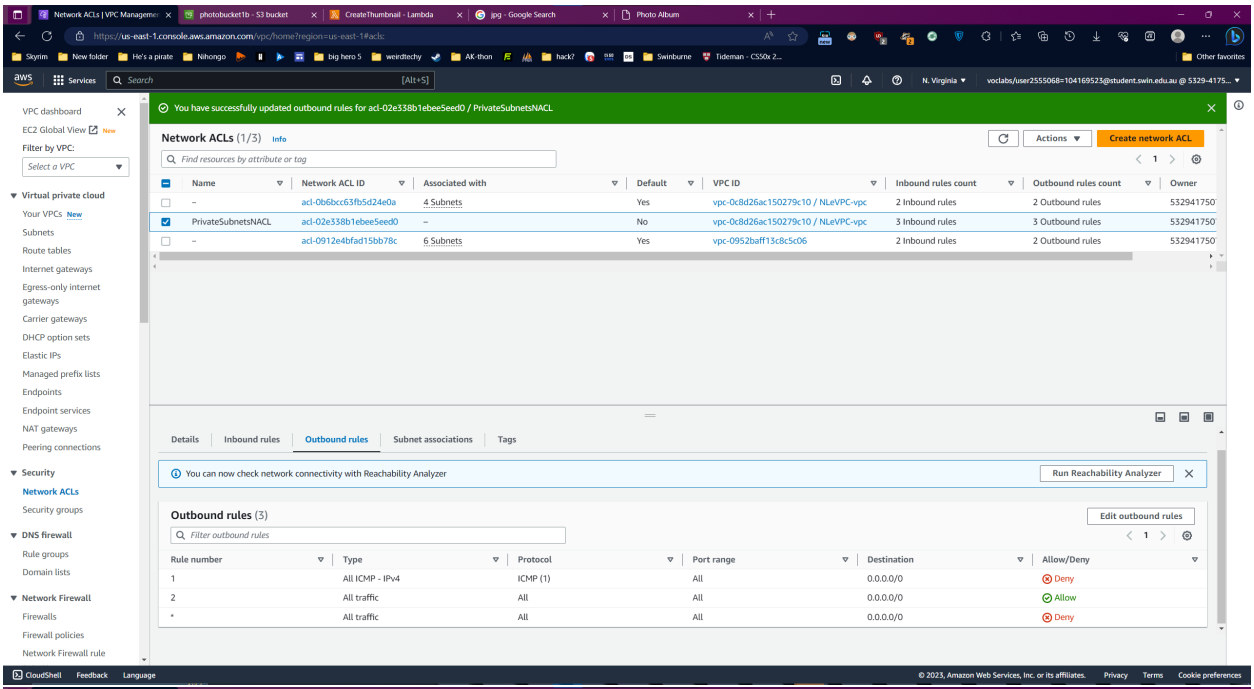
Network ACL:


You have successfully updated inbound rules for acl-02e338b1ebee5eed0 / PrivateSubnetsNACL
Network ACLs (1/3) Info
Actions
Create network ACL
Name
Network ACL ID
Associated with
Default
VPC ID
Inbound rules count
Outbound rules count
Owner
acl-0b6bcc63fb5d24e0a
4 Subnets
Yes
vpc-0c8d26ac150279c10 / NLeVPC-vpc
2 Inbound rules
2 Outbound rules
acl-0912e4bfad15bb78c
6 Subnets
Yes
vpc-0952baff13c8c5c06
2 Inbound rules
2 Outbound rules
PrivateSubnetsNACL
acl-02e338b1ebee5eed0
No
vpc-0c8d26ac150279c10 / NLeVPC-vpc
3 Inbound rules
1 Outbound rule
Details
Inbound rules
Outbound rules
Subnet associations
Tags
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Inbound rules (3)
Edit inbound rules
Rule number
Type
Protocol
Port range
Source
Allow/Deny
1
All ICMP - IPv4
ICMP (1)
All
0.0.0.0/0
Deny
2
All traffic
All
All
0.0.0.0/0
Allow
*
All traffic
All
All
0.0.0.0/0
Deny


You have successfully updated outbound rules for acl-02e338b1ebee5eed0 / PrivateSubnetsNACL
Network ACLs (1/3) Info
Actions
Create network ACL
Name
Network ACL ID
Associated with
Default
VPC ID
Inbound rules count
Outbound rules count
Owner
acl-0b6bcc63fb5d24e0a
4 Subnets
Yes
vpc-0c8d26ac150279c10 / NLeVPC-vpc
2 Inbound rules
2 Outbound rules
PrivateSubnetsNACL
acl-02e338b1ebee5eed0
No
3 Inbound rules
3 Outbound rules
acl-0912e4bfad15bb78c
6 Subnets
vpc-0952baff13c8c5c06
Details
Inbound rules
Outbound rules
Subnet associations
Tags
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Outbound rules (3)
Edit outbound rules
Filter outbound rules
Rule number
Type
Protocol
Port range
Destination
Allow/Deny
1
All ICMP - IPv4
ICMP (1)
All
0.0.0.0/0
Deny
2
All traffic
Allow
*
CloudShell
Feedback
Language
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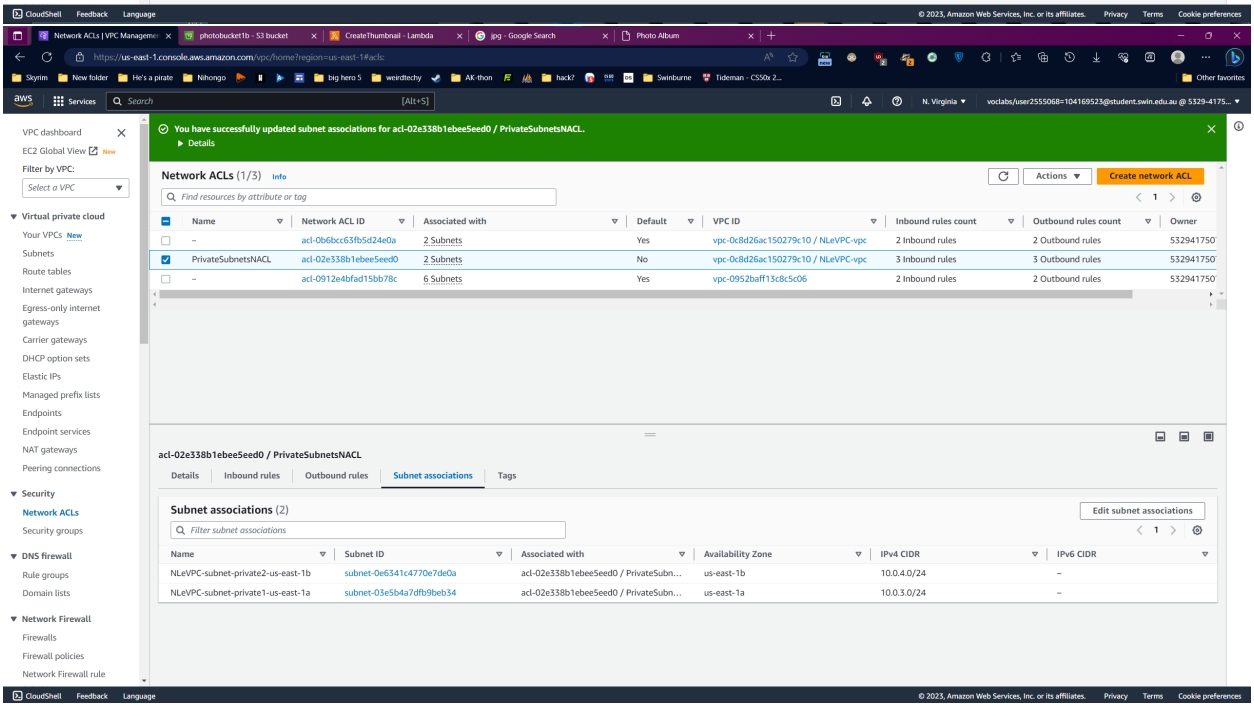
You have successfully updated subnet associations for acl-02e338b1ebee5eed0 / PrivateSubnetsNACL.
Details
Network ACLs (1/3) Info
Actions
Create network ACL
Name
Network ACL ID
Associated with
Default
VPC ID
Inbound rules count
Outbound rules count
Owner
acl-0b6bcc63fb5d24e0a
2 Subnets
Yes
vpc-0c8d26ac150279c10 / NLeVPC-vpc
2 Inbound rules
2 Outbound rules
PrivateSubnetsNACL
acl-02e338b1ebee5eed0
No
3 Inbound rules
3 Outbound rules
acl-0912e4bfad15bb78c
6 Subnets
vpc-0952baff13c8c5c06
acl-02e338b1ebee5eed0 / PrivateSubnetsNACL
Details
Inbound rules
Outbound rules
Subnet associations
Tags
Subnet associations (2)
Edit subnet associations
Filter subnet associations
Name
Subnet ID
Associated with
Availability Zone
IPv4 CIDR
IPv6 CIDR
NLeVPC-subnet-private2-us-east-1b
subnet-0e6341c4770e7de0a
acl-02e338b1ebee5eed0 / PrivateSubn...
us-east-1b
10.0.4.0/24
NLeVPC-subnet-private1-us-east-1a
subnet-03e5b4a7dfb9beb34
us-east-1a
10.0.3.0/24
CloudShell
Feedback
Language
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Privacy
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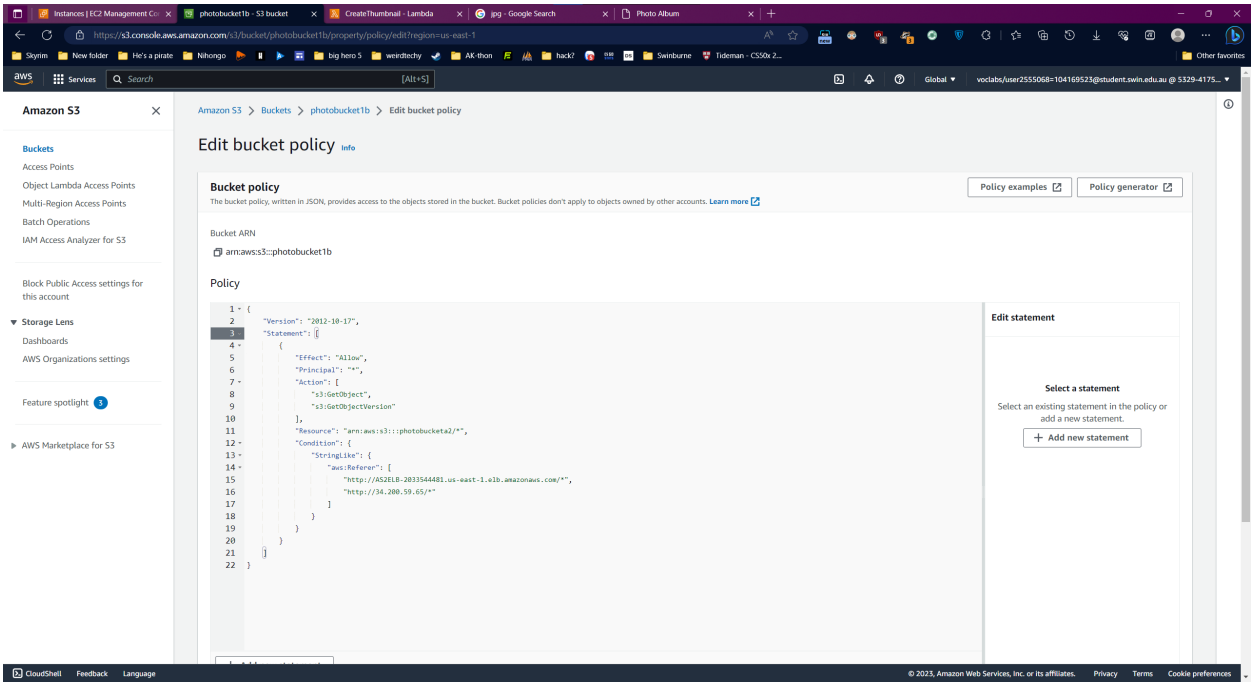
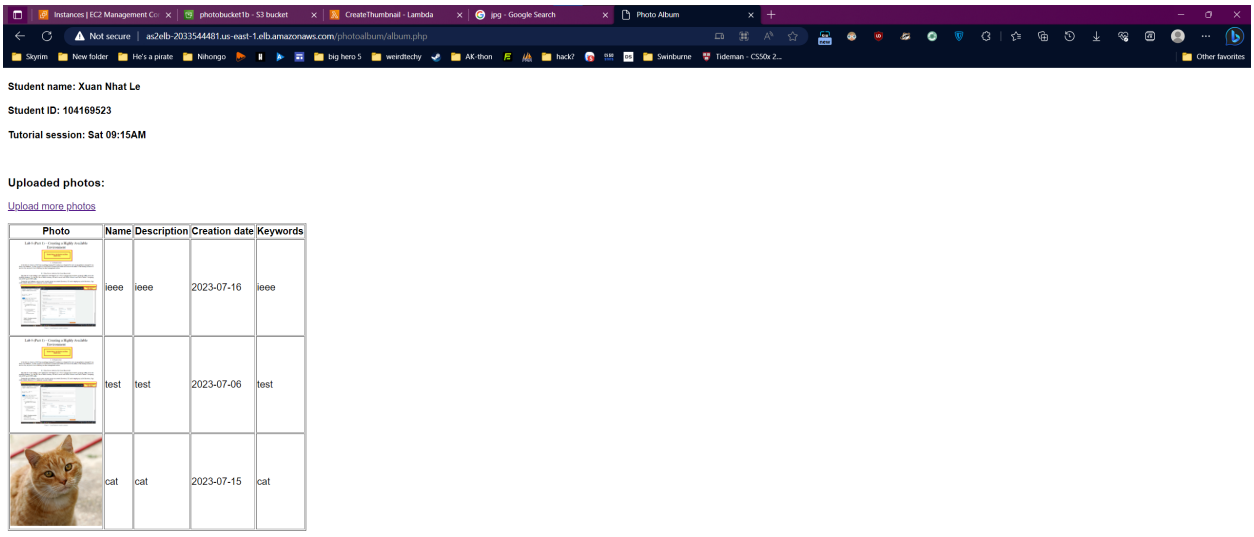
Cookie preferences

Additional Tests:

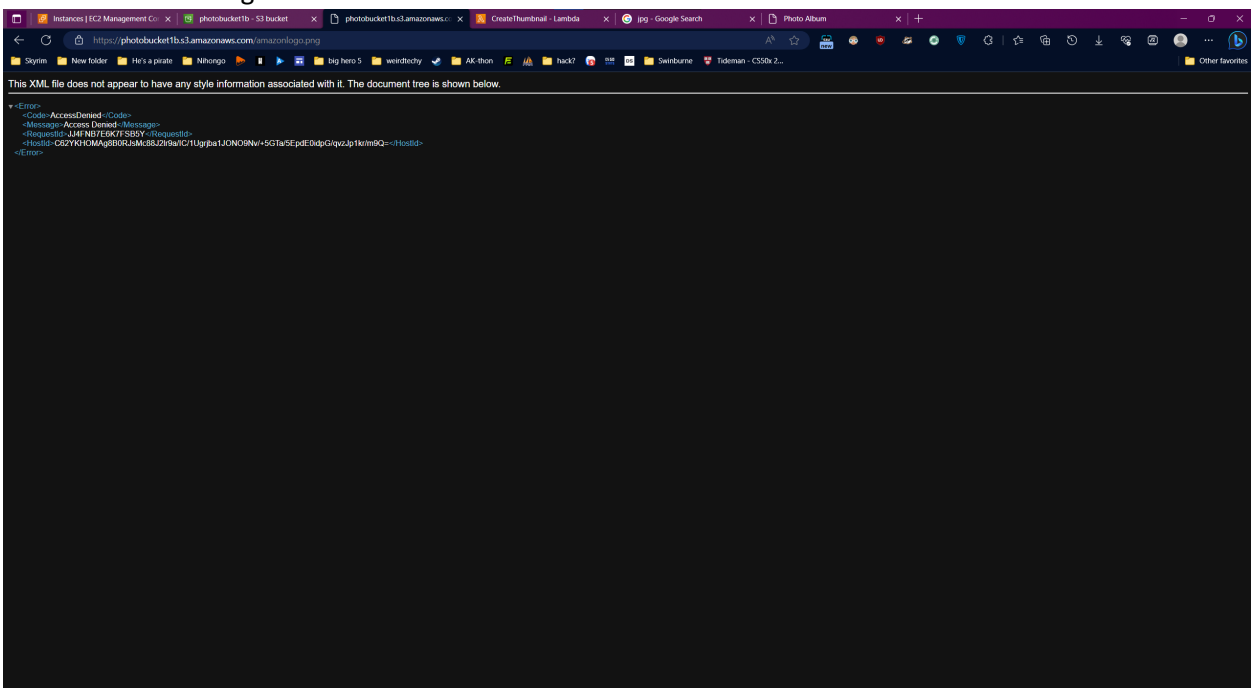
S3 Bucket Policy to specific HTTP



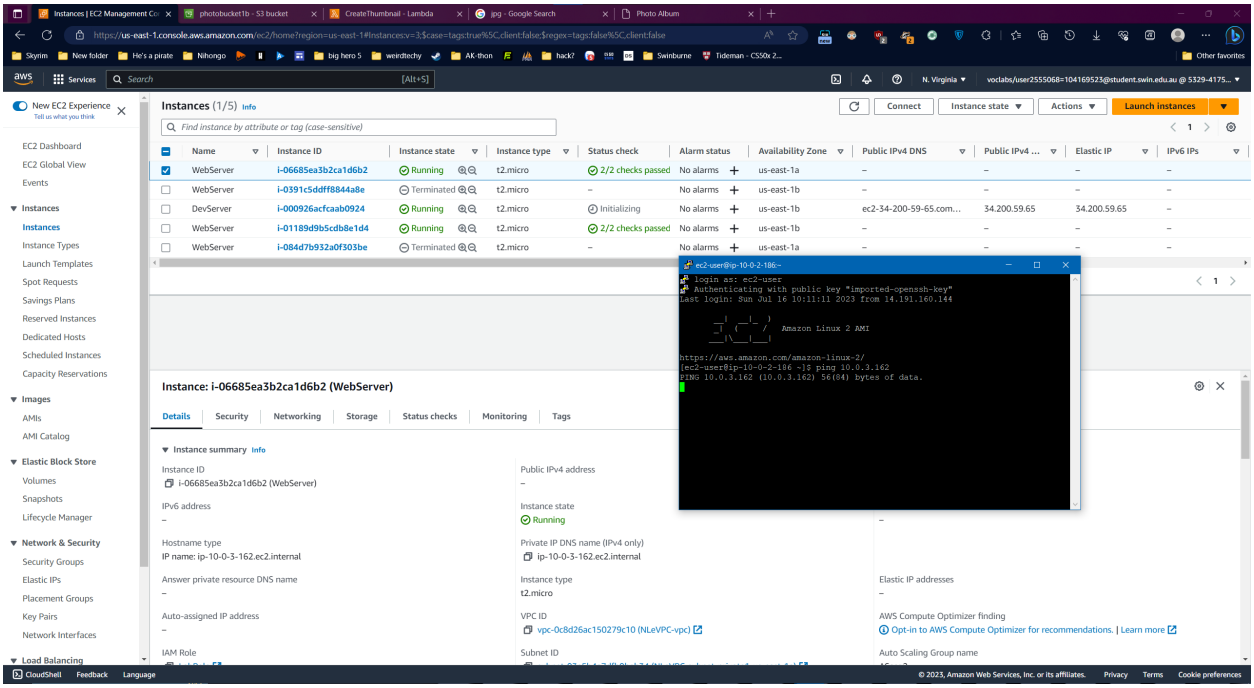
Check connection with Load balancer DNS:



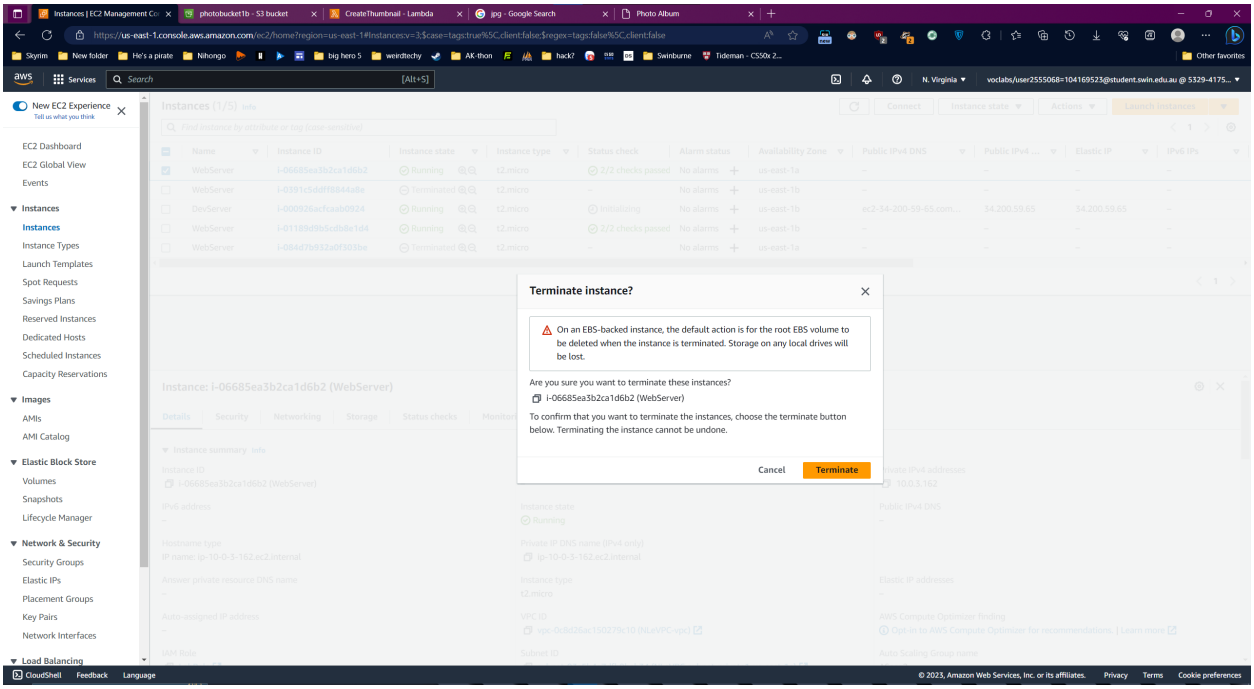
Direct link to S3 images does not work:



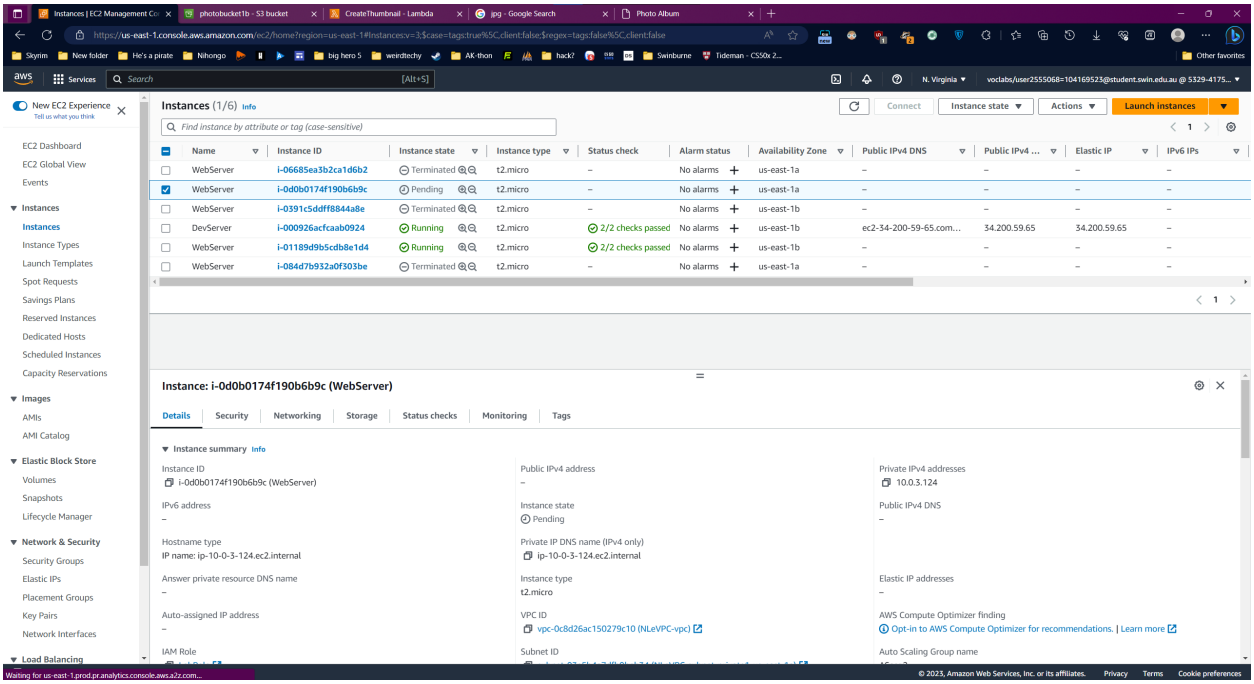
Cannot ping from elastic IP



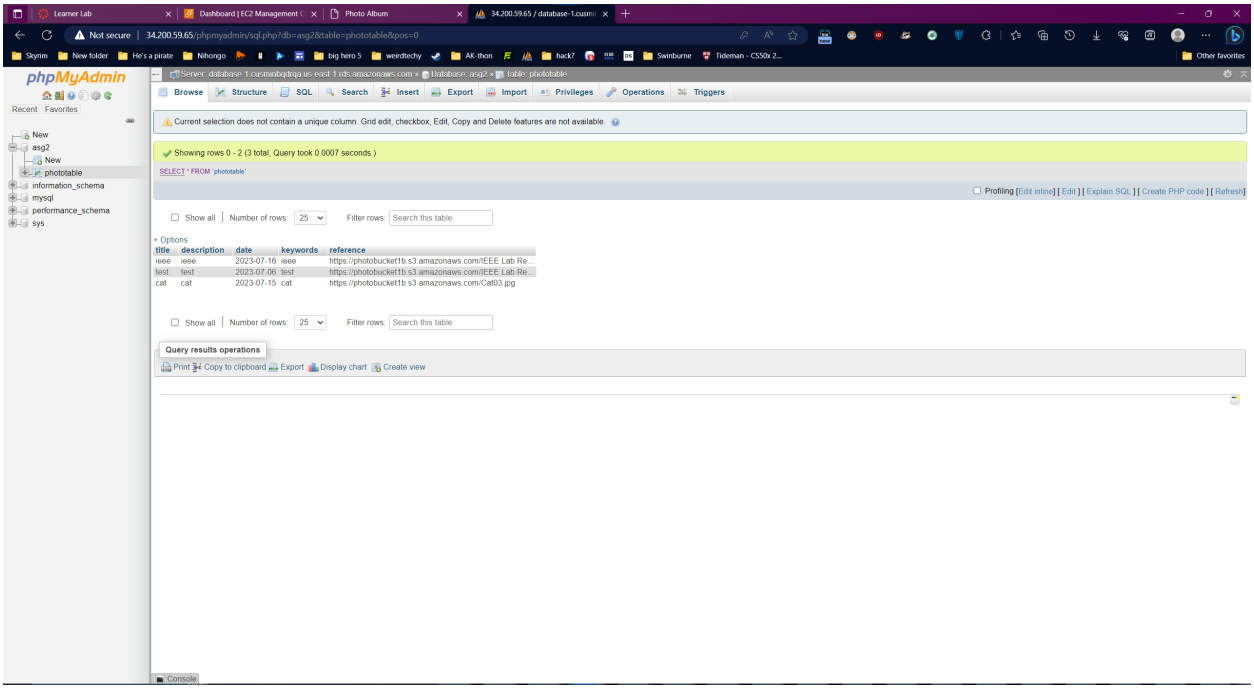
Terminate instance to check.



Another one appear



The database



http://34.200.59.65/phpmyadmin/index.php

http://34.200.59.65/photoalbum/album.php

http://as2elb-2033544481.us-east-1.elb.amazonaws.com/photoalbum/album.php