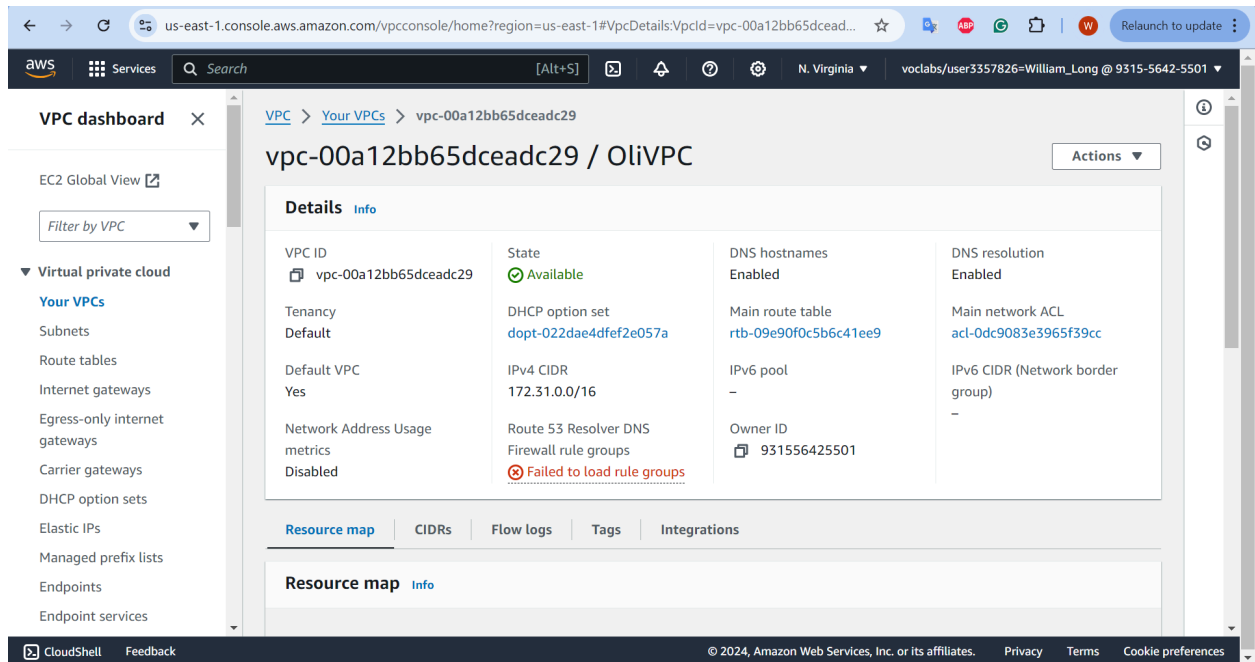


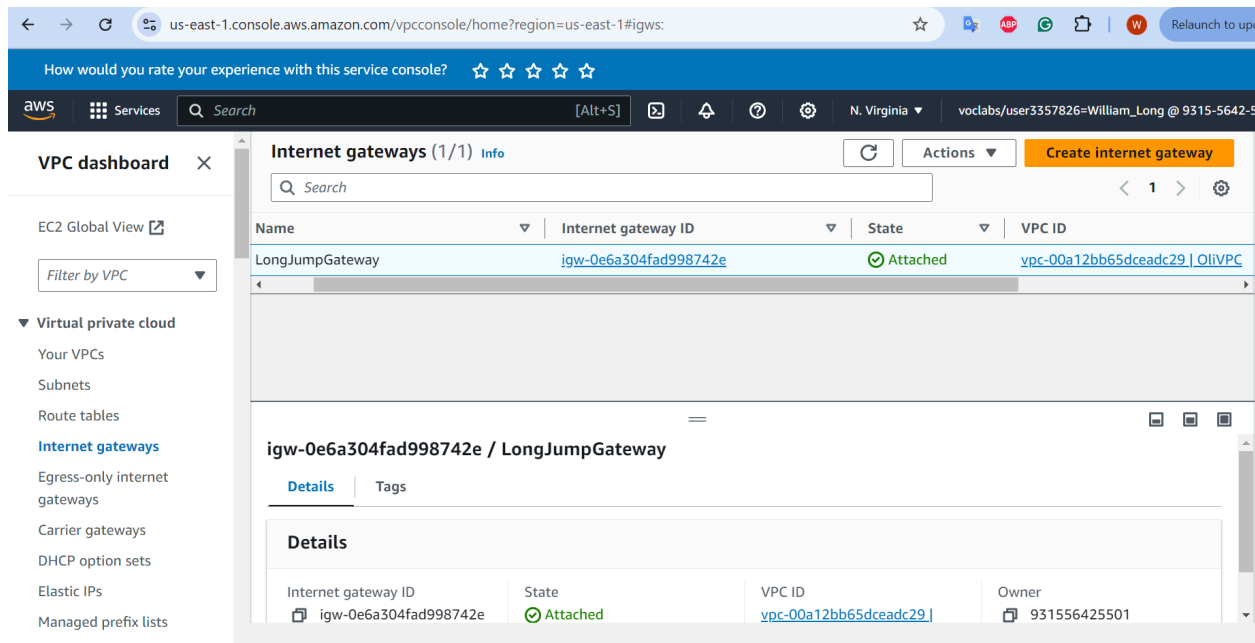
# Milestone 3 Documentation

## Oliver Long and Jake Jump

### Deployment



### Created the VPC



### Created and connected the internet gateway to the VPC

VPC > Route tables > rtb-09e90f0c5b6c41ee9

## rtb-09e90f0c5b6c41ee9 / LongJumpRouteTable Actions ▼

**Details** [Info](#)

Route table ID rtb-09e90f0c5b6c41ee9	Main Yes	Explicit subnet associations -	Edge associations -
VPC vpc-00a12bb65dceadc29   OliVPC	Owner ID 931556425501		

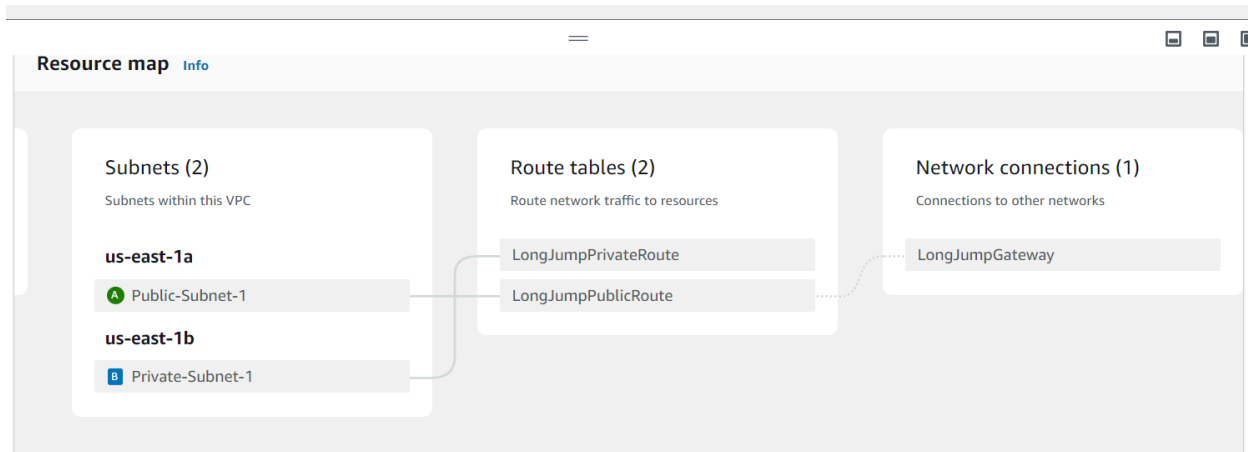
[Routes](#) | [Subnet associations](#) | [Edge associations](#) | [Route propagation](#) | [Tags](#)

**Routes (2)** Both ▼ Edit routes

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Destination ▼	Target ▼	Status ▼	Propagated ▼
0.0.0.0/0	<a href="#">igw-0e6a304fad998742e</a>	Active	No
172.31.0.0/16	local	Active	No

Created the routing table, pointing to the Internet gateway



Resource map of subnets and routing tables to the internet gateway inside the VPC

<input type="checkbox"/>	Name ▼	Security group ID ▼	Security group name ▼	VPC ID ▼
<input type="checkbox"/>	-	<a href="#">sg-0d0ad197362c07a3d</a>	default	<a href="#">vpc-00a12bb65dceadc29</a>
<input type="checkbox"/>	-	<a href="#">sg-0de5e9d41c4a5284e</a>	LongJumpWebServer	<a href="#">vpc-00a12bb65dceadc29</a>
<input type="checkbox"/>	-	<a href="#">sg-043755a450c86077e</a>	LongJumpRDS	<a href="#">vpc-00a12bb65dceadc29</a>
<input type="checkbox"/>	-	<a href="#">sg-0c513ac6089ea3689</a>	LongJumpApplicationServer	<a href="#">vpc-00a12bb65dceadc29</a>

Security Groups

General purpose buckets (1) Info

All AWS Regions

Refresh

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

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Settings

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	<a href="#">lj-s3-bucket</a>	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	August 19, 2024, 19:02:04 (UTC-04:00)

S3 Bucket

Instances (1/3) Info

Last updated less than a minute ago

Refresh

Connect

Instance state

Actions

Launch instances

All states

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Settings

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	LJWebServerl...	i-0a062aba1fce81bd4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
<input checked="" type="checkbox"/>	bastion	i-042ca41e47c574ea5	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
<input type="checkbox"/>	LJ-Application...	i-0504e138b7ede8ba9	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b

Instances set up

Testing

```

ubuntu@ip-172-31-23-7: ~
Connection to ec2-54-204-50-216.compute-1.amazonaws.com closed.

C:\Users\14065\Downloads>ssh -i "cosc55key.pem" ubuntu@ec2-54-204-50-216.compute-1.amazonaws.com
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Aug 20 01:19:53 UTC 2024

System load:  0.0          Processes:    108
Usage of /:   26.3% of 6.71GB   Users logged in:  0
Memory usage: 20%          IPv4 address for enx0: 172.31.23.7
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
 * compliance features.
 *
 * https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

60 updates can be applied immediately.
35 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

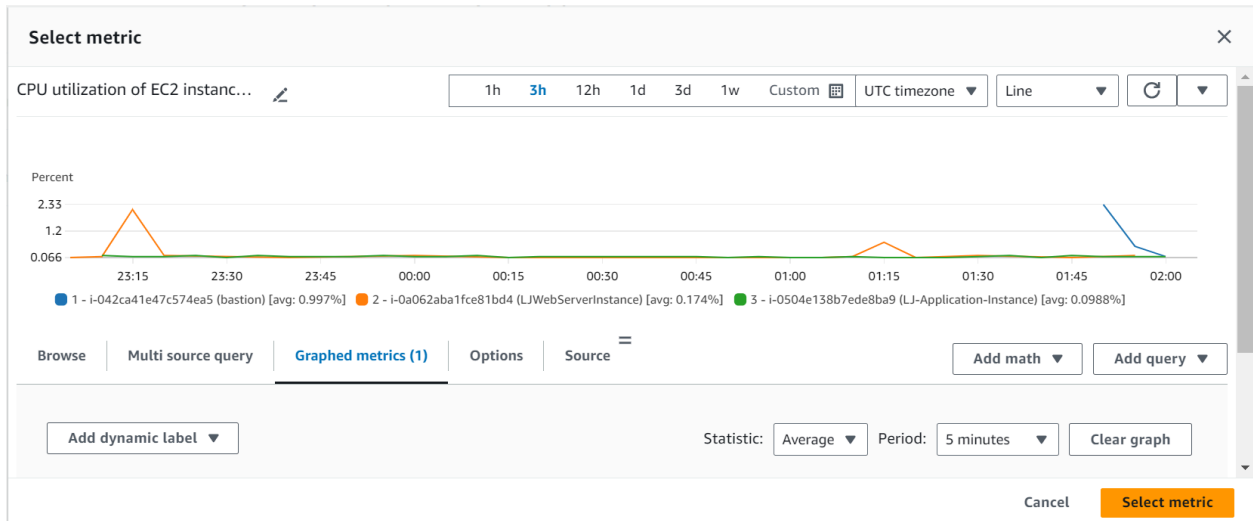
Last login: Tue Aug 20 01:19:54 2024 from 129.170.197.92
ubuntu@ip-172-31-23-7:~$

```

Successful SSH into the Web Server instance

```
ubuntu@ip-172-31-25-157: ~  
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Tue Aug 20 02:00:36 UTC 2024  
  
System load:  0.0      Processes:      104  
Usage of /:   22.9% of 6.71GB   Users logged in: 0  
Memory usage: 19%      IPv4 address for enX0: 172.31.25.157  
Swap usage:   0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Tue Aug 20 01:57:11 2024 from 129.170.197.92  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ubuntu@ip-172-31-25-157:~$
```

Successful SSH into the bastion instance



Monitors CPU Utilization of EC2 instances in cloudWatch

Summary

Destination

s3://lj-s3-bucket

Succeeded

1 file, 832.7 KB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (1 Total, 832.7 KB)

Find by name

< 1 >

Name	Folder	Type	Size	Status	Error
Oliver Long -...	-	application/pdf	832.7 KB	Succeeded	-

Object overview

Owner

awslabsc0w3898175t1645875021

AWS Region

US East (N. Virginia) us-east-1

Last modified

August 19, 2024, 22:10:52 (UTC-04:00)

Size

832.7 KB

Type

pdf

Key

Oliver Long - Class Lab 8-1\_ AWS with CLI.pdf

S3 URI

s3://lj-s3-bucket/Oliver Long - Class Lab 8-1\_ AWS with CLI.pdf

Amazon Resource Name (ARN)

arn:aws:s3:::lj-s3-bucket/Oliver Long - Class Lab 8-1\_ AWS with CLI.p  
df

Entity tag (Etag)

4da7c3f4df7bcf73bf9e39e1148c7fa2

Object URL

https://lj-s3-bucket.s3.amazonaws.com/Oliver+Long+-+Class+Lab+  
8-1\_+AWS+with+CLI.pdf

Server-side encryption settings

Info

Edit

Server-side encryption protects data at rest.

Encryption type

Info

Server-side encryption with Amazon S3 managed keys (SSE-S3)

Oliver Long - Class Lab 8-1\_ AWS with CLI (1)

8/19/2024 10:13 PM

Adobe Acrobat Docu...

833 KB

Upload and Download to s3 bucket