

COS20019, Assignment 2

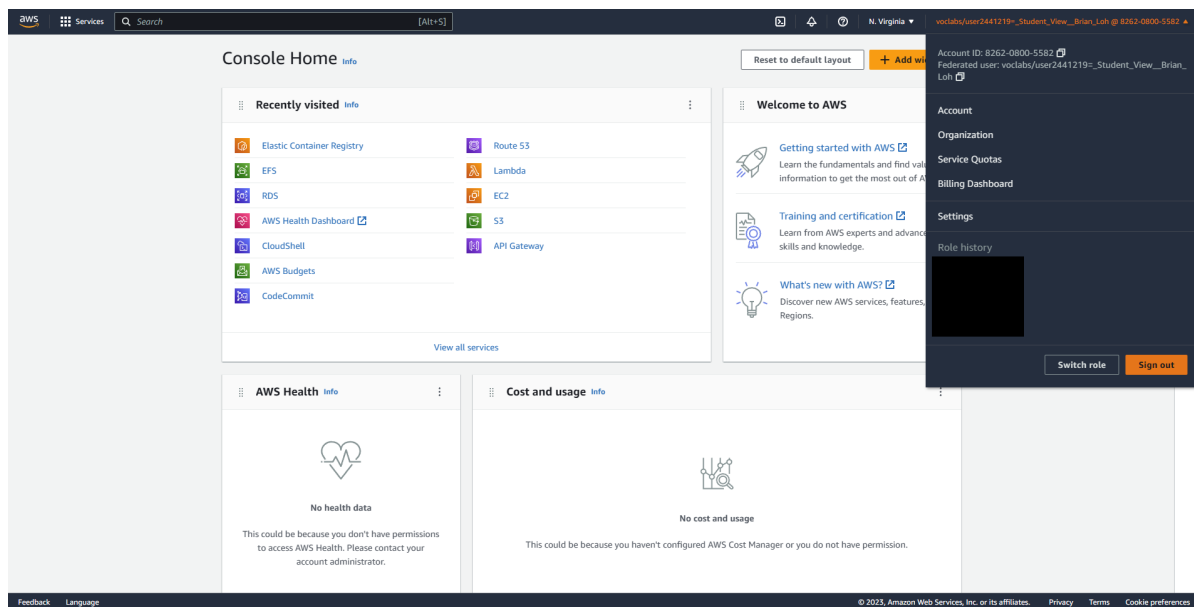
Please fill in the information below and paste screenshots in the appropriate section. You may add more sections if required.

Student Name: Abdulswamad Rama Salim

Student ID: 101229220

Highly Availabe File Manager web site

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).



aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user3530544-101229220@students.swinburne.edu.my @ 300

Console Home

Info

Reset to default

Account ID: 3004-9014-8122

Federated user: voclabs/user3530544=101229220@students.swinburne.edu.my

Account

Organization

Service Quotas

Billing and Cost Management

Switch role

Sign out

Recently visited

Info

No recently visited services

Explore one of these commonly visited AWS services.

EC2 S3 RDS Lambda

View all services

Applications (0)

Info

Region: US East (N. Virginia)

us-east-1 (Current Region)

Find applications

Name Description Region

No applications

Get started by creating an application.

Create application

Go to myApplications

Welcome to AWS

Getting started with AWS

Learn the fundamentals and find valuable information to get the most out of AWS.

Training and certification

Learn from AWS experts and advance your skills and knowledge.

AWS Health

Info

Open Issues

0

Past 7 days

Scheduled changes

0

Upcoming and past 7 days

Other notifications

0

Past 7 days

Cost and usage

Info

Current month costs

\$0.00

Cost breakdown

No cost data available.

Forecasted month end costs

Data unavailable

Savings opportunities

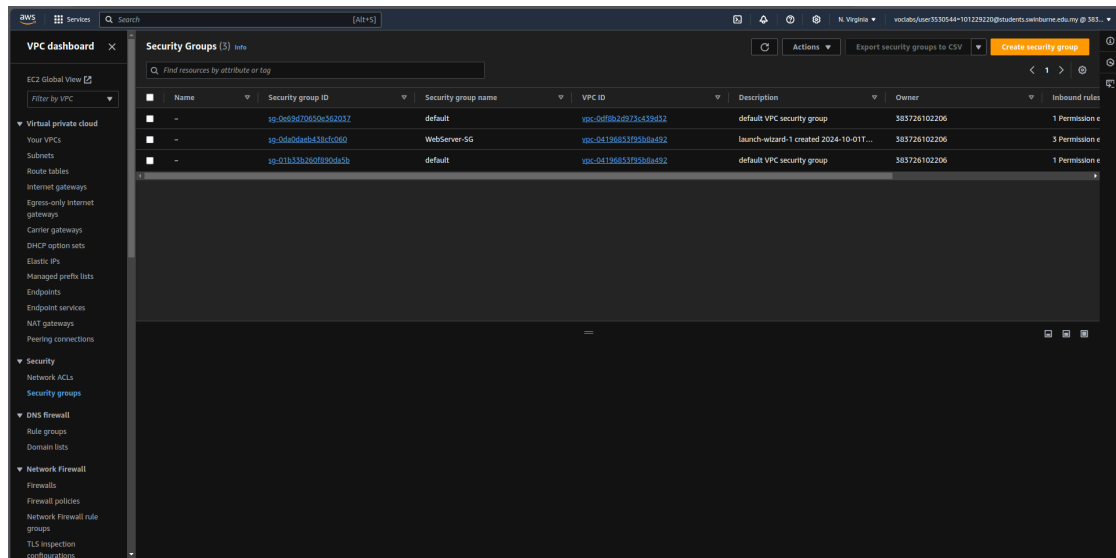
Enable Cost Optimization Hub

VPC setup

1. Paste screenshot(s) of setup such VPC, subnet, route, etc. configurations.

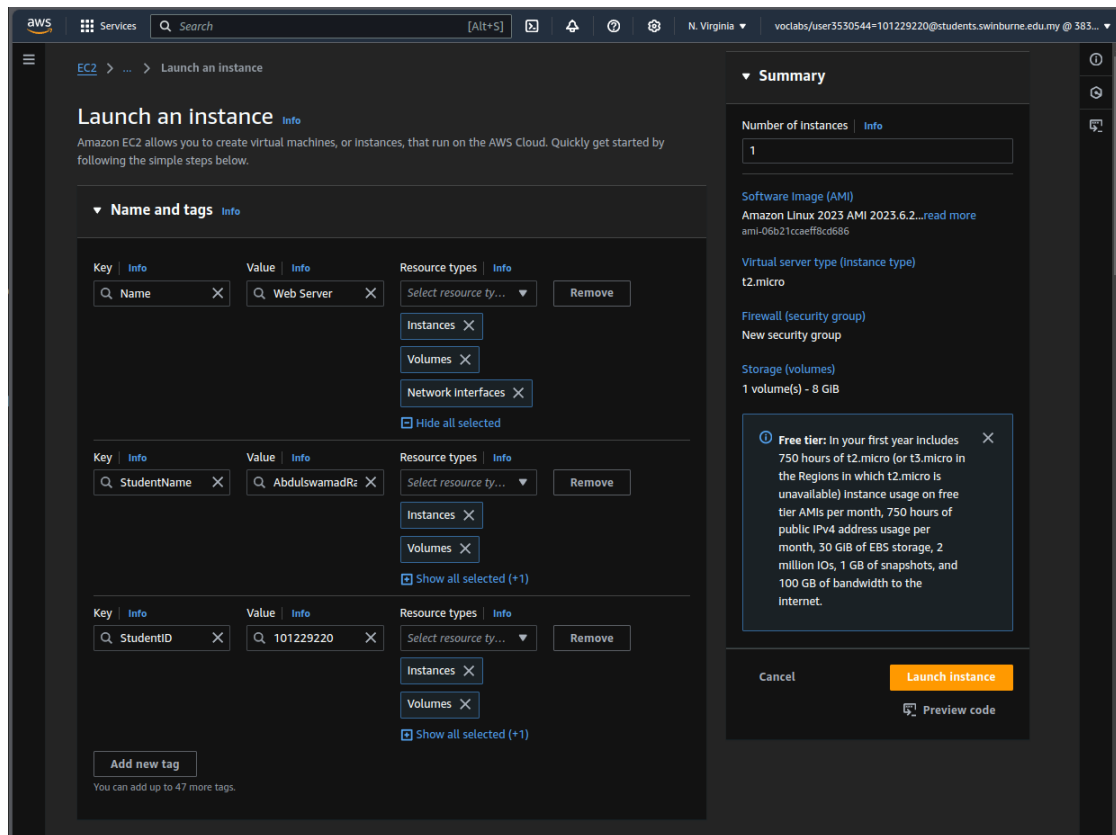
Security groups setup

2. Paste screenshot(s) of setup for each security group.



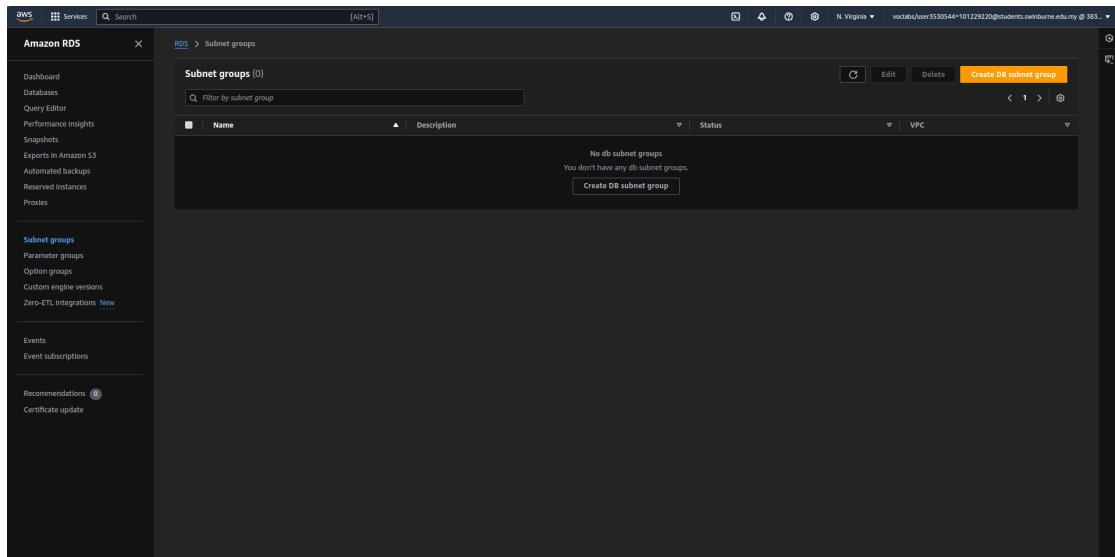
S3 setup

3. Paste screenshot(s) of setup for bucket, permissions, and gateway.



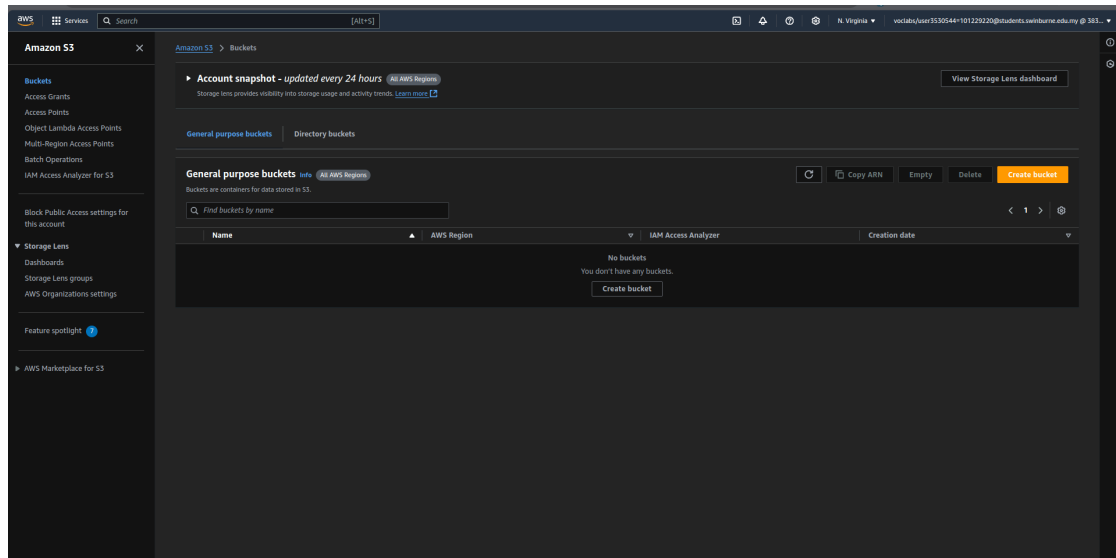
Lambda setup

4. Paste screenshot(s) of setup for source code and successful test event.



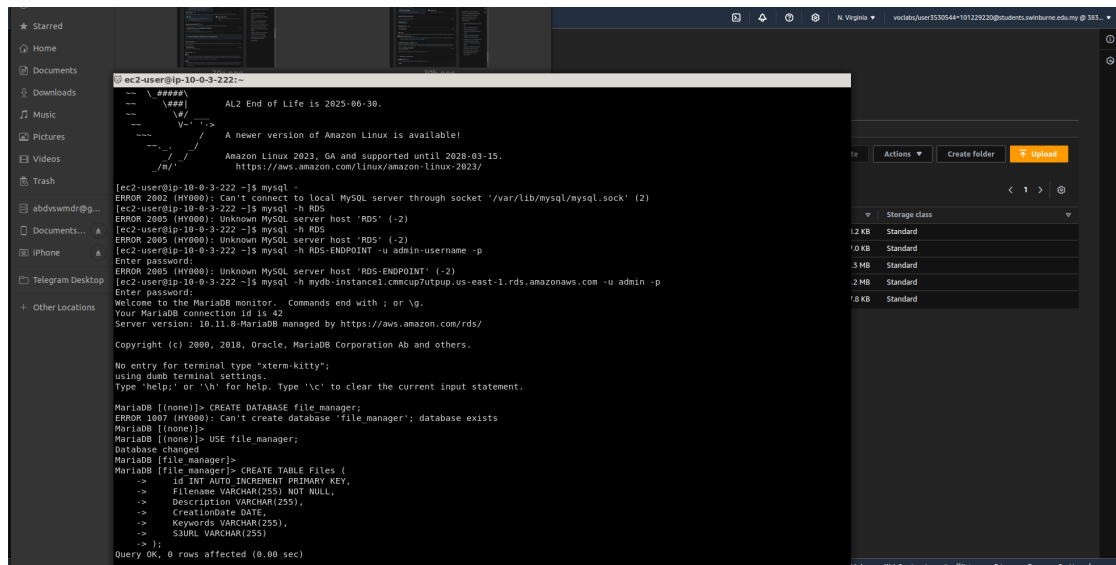
RDS setup

5. Paste screenshot(s) of setup for source code and successful test event.



EC2 setup

6. Paste screenshot(s) of setup for Dev Server



AMI setup

7. Paste screenshot(s) of setup for AMI

```
ec2-user@ip-10-0-3-222:/var/www/html/COS20019/file_manager$ cat get_files.php
include 'constants.php';

// Create a connection to the RDS database
$db = new mysqli(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_DATABASE);

// Check if the connection was successful
if ($db->connect_error) {
    die("Connection failed: " . $db->connect_error);
}

// SQL query to retrieve data from the 'Files' table
$query = "SELECT Filename, Description, CreationDate, Keywords, S3URL FROM Files";
$result = $db->query($query);

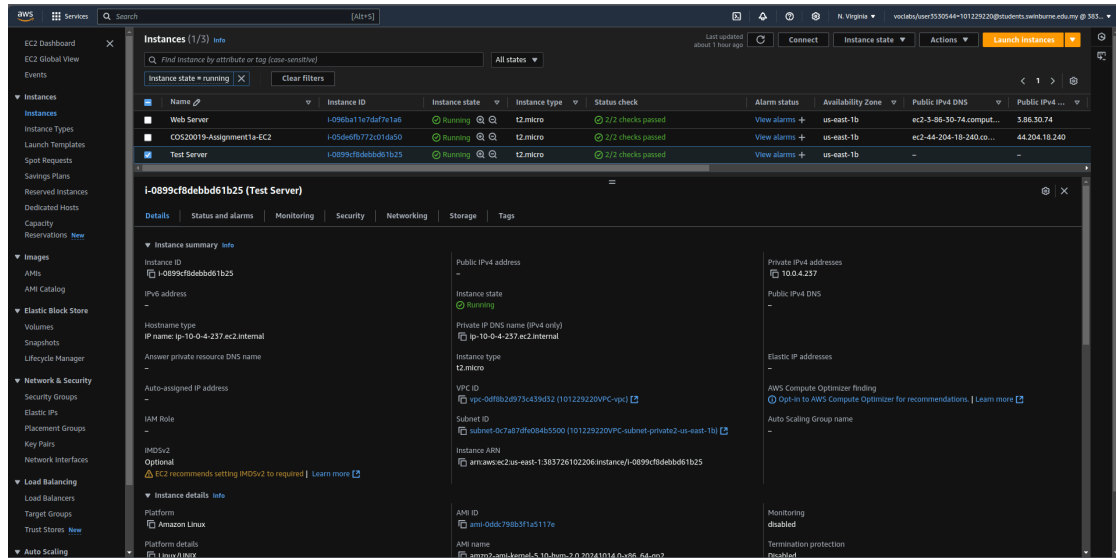
// Check if any rows were returned
if ($result->num_rows > 0) {
    echo "<table border='1'>";
    <tr>
        <th>Filename</th>
        <th>Description</th>
        <th>Creation Date</th>
        <th>Keywords</th>
        <th>S3 URL</th>
    </tr>";

    // Fetch and display each row of the result
    while ($row = $result->fetch_assoc()) {
        echo "<tr>";
        <td>{$row['Filename']}</td>
        <td>{$row['Description']}</td>
        <td>{$row['CreationDate']}</td>
        <td>{$row['Keywords']}</td>
        <td>{$row['S3URL']}</td>
    </tr>";
    }
    echo "</table>";
} else {
    echo "No files found.";
}

// Close the database connection
$db->close();
?>
```

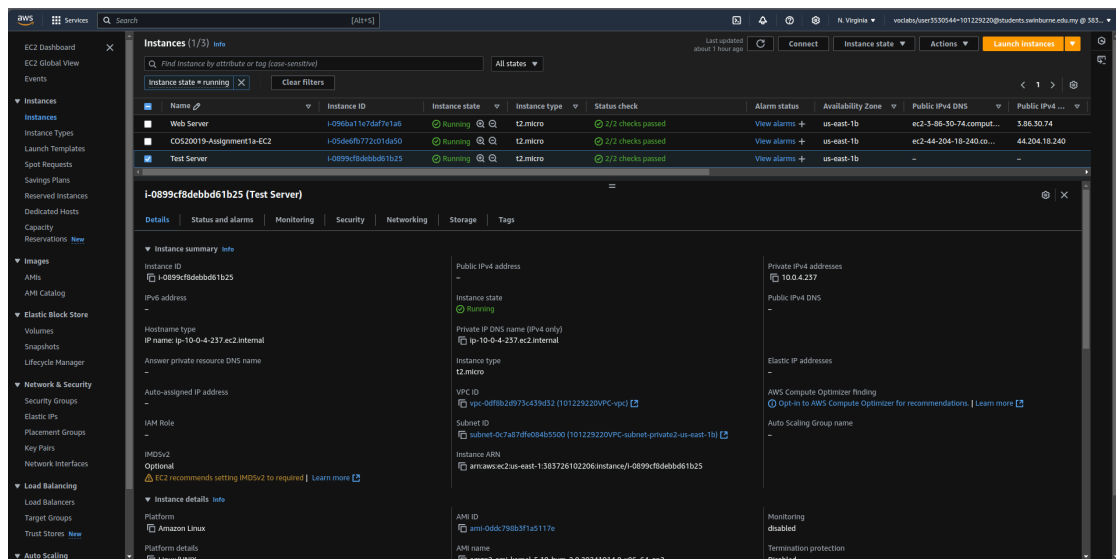

Target group setup

8. Paste screenshot(s) of setup for target group



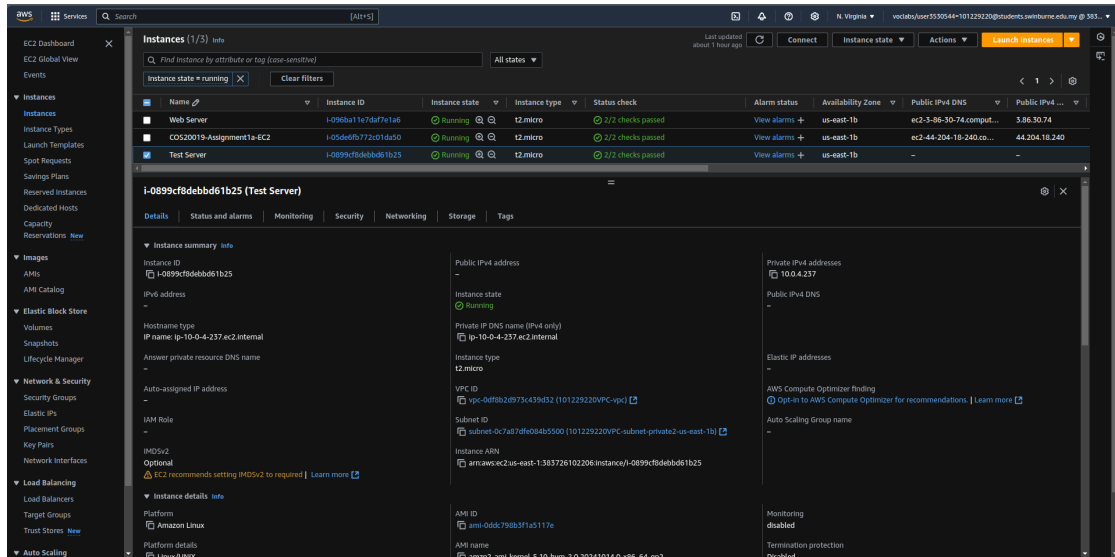
Load balancer setup

9. Paste screenshot(s) of setup for application load balancer.



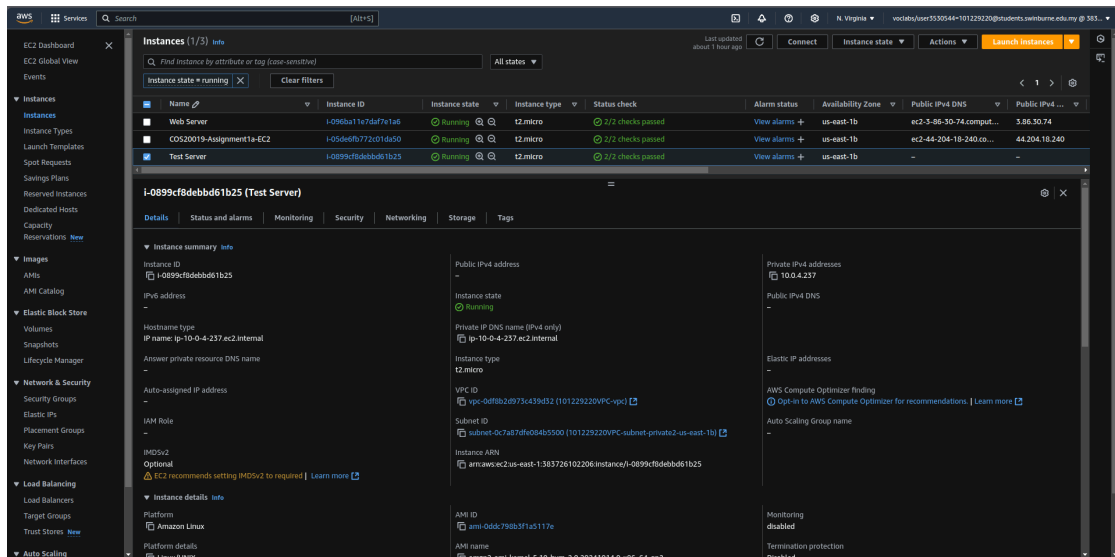
Launch template setup

10. Paste screenshot(s) of setup for launch template.



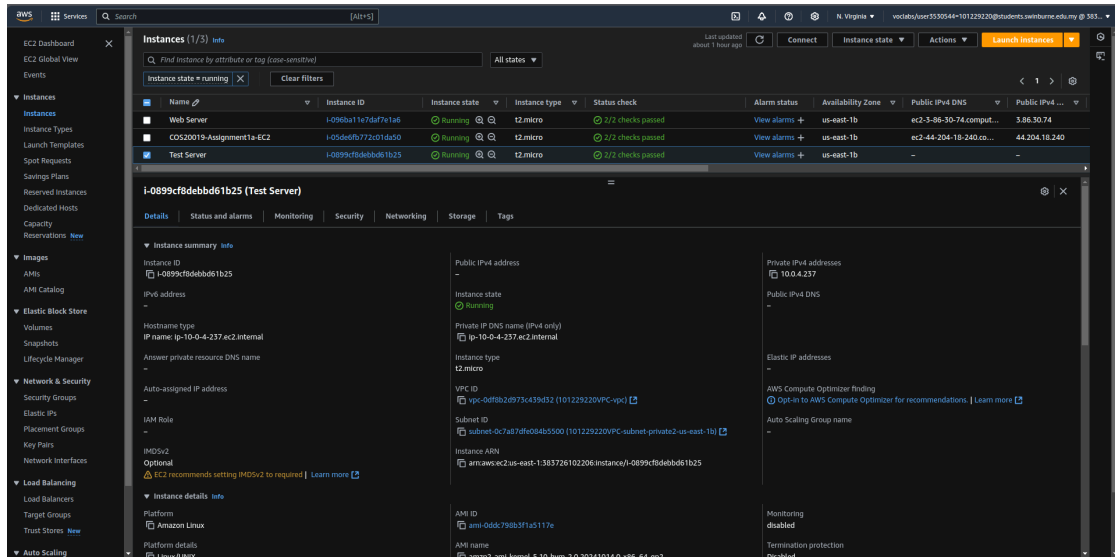
Auto scaling group setup

11. Paste screenshot(s) of setup for auto scaling group.



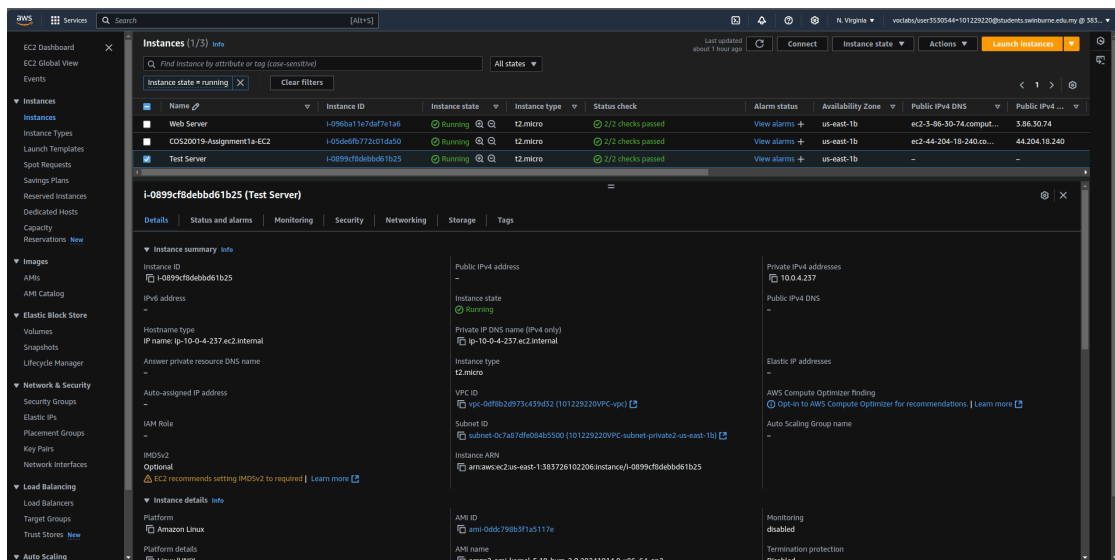
Lambda VPC endpoint setup

12. Paste screenshot(s) of setup for VPC endpoint.



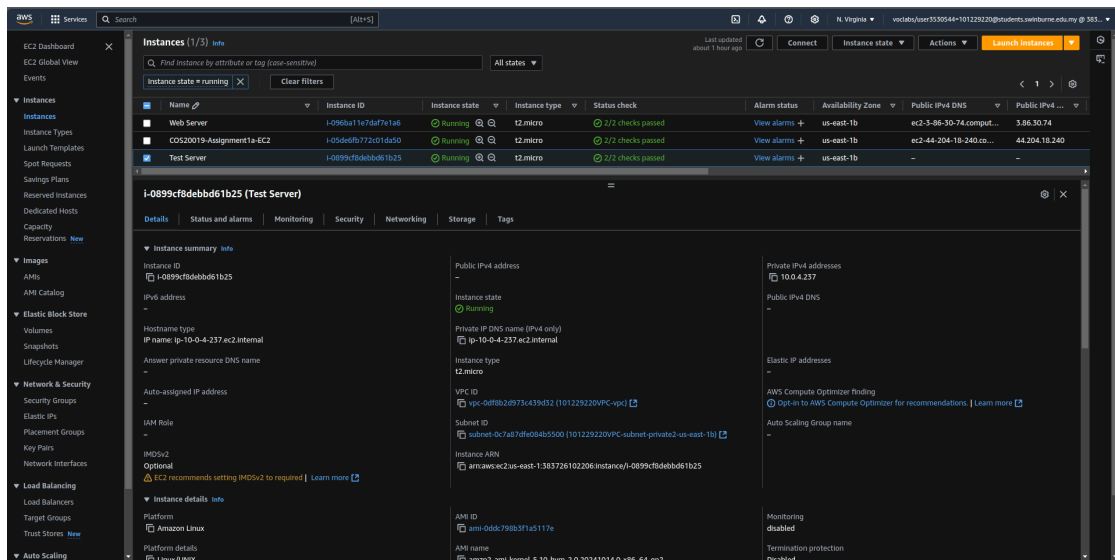
Network ACL setup

13. Paste screenshot(s) of setup for Network ACL and show that the ping from Dev to Web Server is unsuccessful.



Highly available file manager web site

14. Paste screenshot(s) of **upload.php** webpage on your server (the address bar should show your ELB address). Show uploading of a file. Additionally, show a screenshot of the uploaded file and zipped in the S3 bucket after the upload



15. Paste screenshot(s) of `get_files.php` webpage on your server (the address bar should show your ELB address)

