[**AWS Cloud Solution Architecture**](https://elearning.utdallas.edu/webapps/blackboard/execute/courseMain?course_id=_314357_1)

**Hands- On Projects**

By

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Table of Contents

[Lab 11: Configuring a static website on Amazon S3 3](#_Toc130382738)

[Lab12. Get started with Amazon EC2 Linux instances. 4](#_Toc130382739)

[Lab 13. Create a web server and an Amazon Aurora Cluster 5](#_Toc130382740)

[Lab 14: Working with EBS 5](#_Toc130382741)

[Lab 15: Send Messages Between Distributed Applications with Amazon Simple Queue Service (SQS) 8](#_Toc130382742)

[Lab17: Create and Query a NoSQL Table with Amazon DynamoDB 11](#_Toc130382743)

[Lab 18: Create an Audio Transcript with Amazon Transcribe 13](#_Toc130382744)

[Lab 19: AWS Network Setup (VPC-ACLs-IGW and NATs) 15](#_Toc130382745)

[Lab 20: AWS Well Architecture Lab 17](#_Toc130382746)

# Lab 11: Configuring a static website on Amazon S3

**Step3.5:**

Cleared Block all public access, and choosed Save changes after the saving my permissions.

Graphical user interface, text, application

Description automatically generated

**Step7.3**

At the bottom of the page, under Static website hosting, selected my Bucket website endpoint. My index document opens in a separate browser window.

Graphical user interface, application, Word

Description automatically generated

# Lab12. Get started with Amazon EC2 Linux instances.

**Step9:**

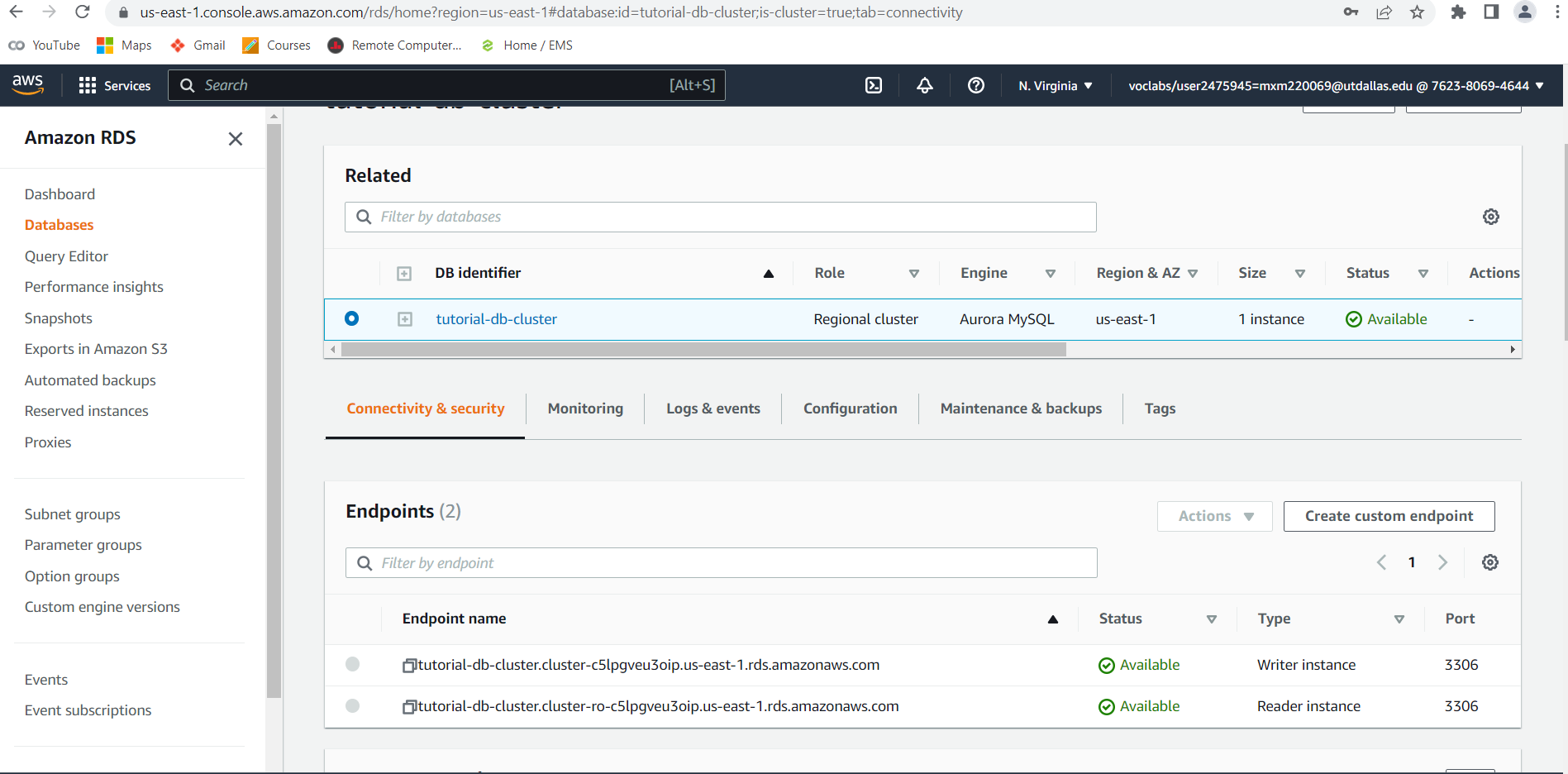
Review a summary of your instance configuration in the Summary” panel before the lunch EC2

Graphical user interface, text, application, email

Description automatically generated

# Lab 13. Create a web server and an Amazon Aurora Cluster

. Created a DB Cluster, section Step 14





b. Installed a web server section Step 9

Graphical user interface, text, application, email

Description automatically generated

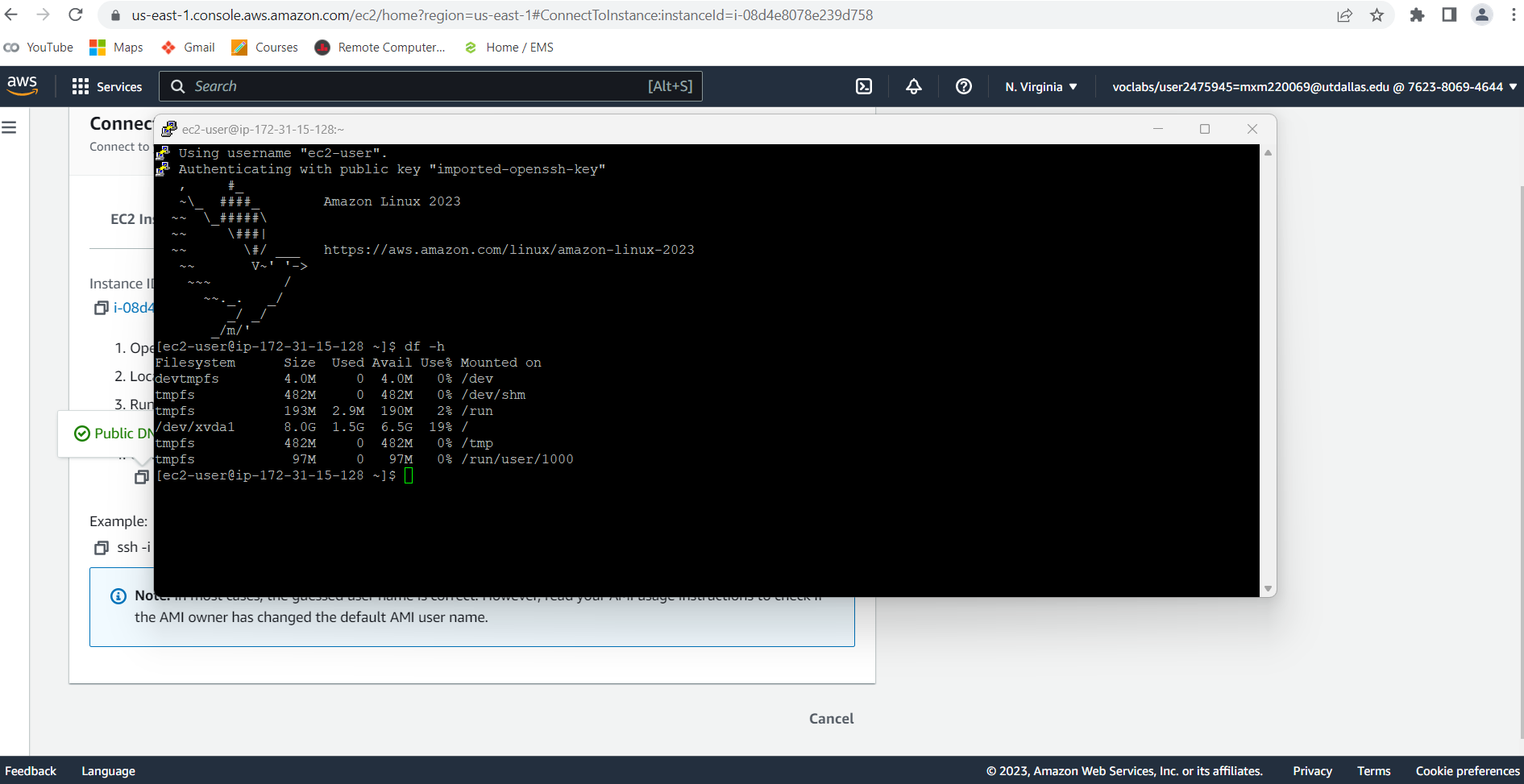
# Lab 14: Working with EBS

Task 1: Step 10. After creating the volume successfully.

Graphical user interface, application

Description automatically generated

Task 4: Step 30 Connected to instance and ran required Comands.



Task 4: step 35. Ran the given commands and presenting the output in the below image.

A screenshot of a computer

Description automatically generated

Task 5: Step 41. Created the snapshot.

Graphical user interface, text, application, Word

Description automatically generated

Task 6: step 51. Restored from the snapshot.

Graphical user interface, text, application

Description automatically generated

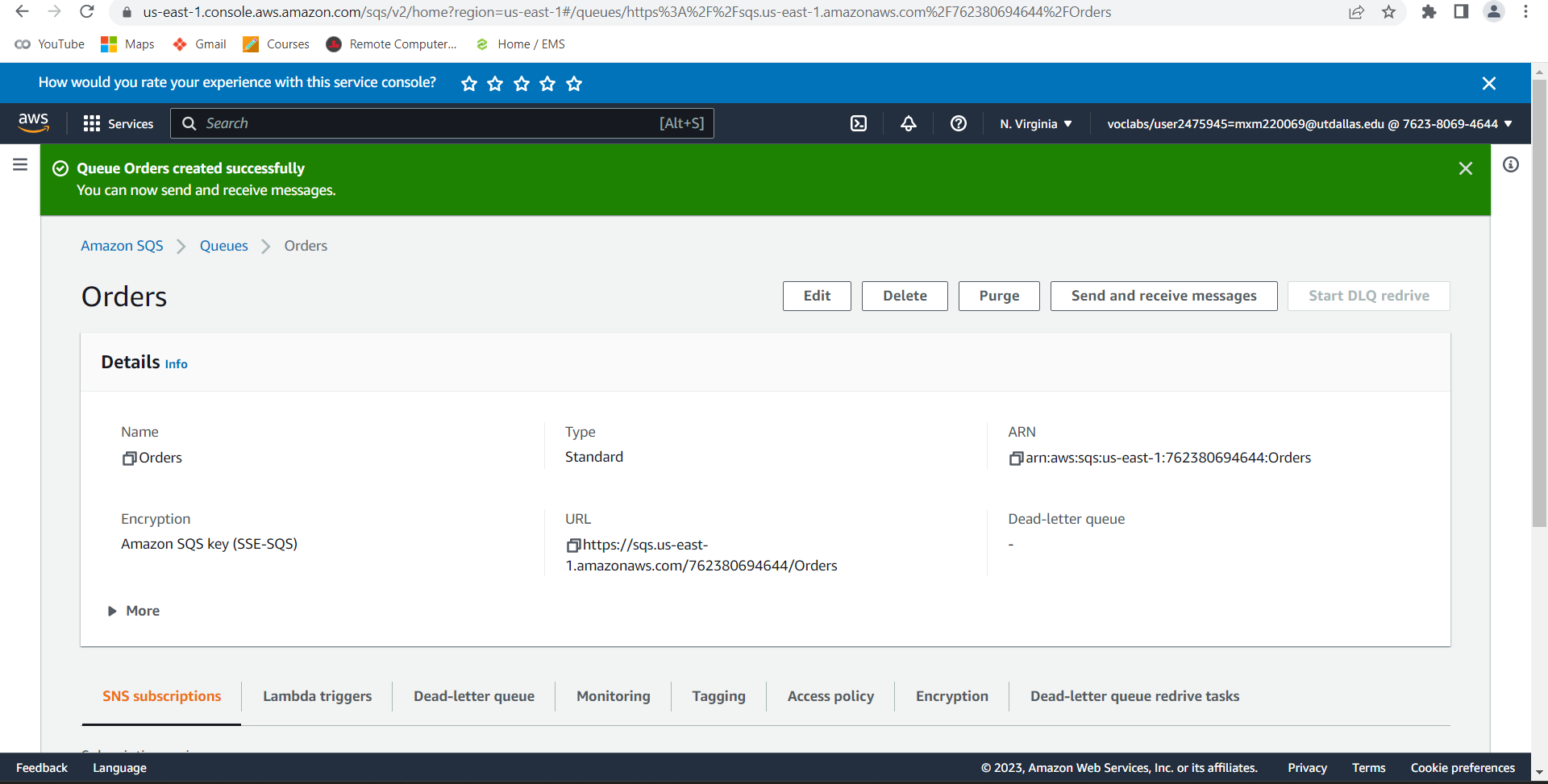
Task 6: step 55. Verified the restored results.

A screenshot of a computer

Description automatically generated

# Lab 15: Send Messages Between Distributed Applications with Amazon Simple Queue Service (SQS)

Step 2: D screen shot of Queue Created.



Step 3: b Sent the message as shown in the below image.

A screenshot of a computer

Description automatically generated

Step 3: d Sent the message as shown in the below image

A screenshot of a computer

Description automatically generated

Step 4 : b polled for messages.

Graphical user interface, website

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

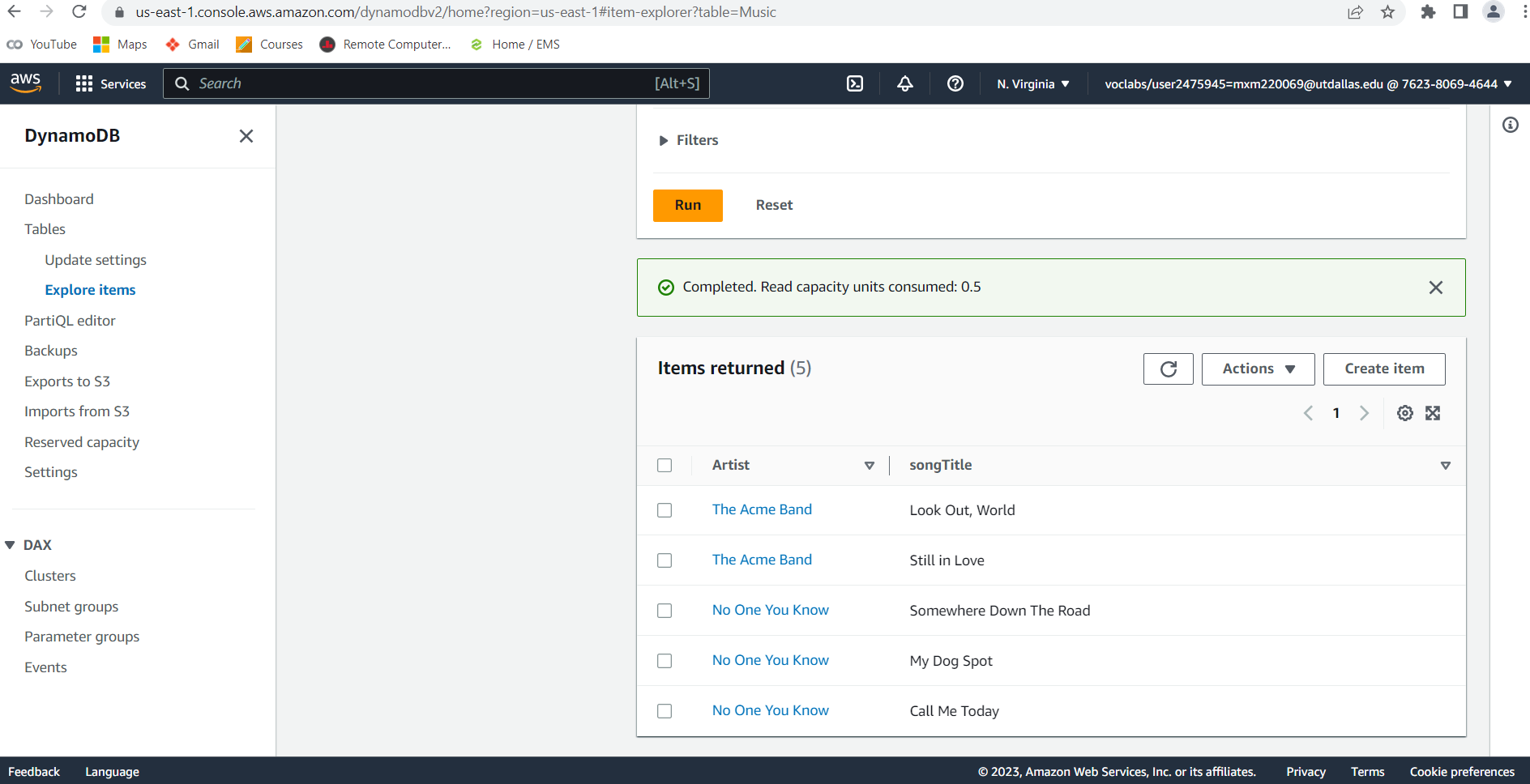
# Lab17: Create and Query a NoSQL Table with Amazon DynamoDB

Step1: f screen shot. Created a table.

Graphical user interface, text, application

Description automatically generated

Step 2: c . Performed required tasks and below are the results.



Step 3: b Ran query and observed the results.

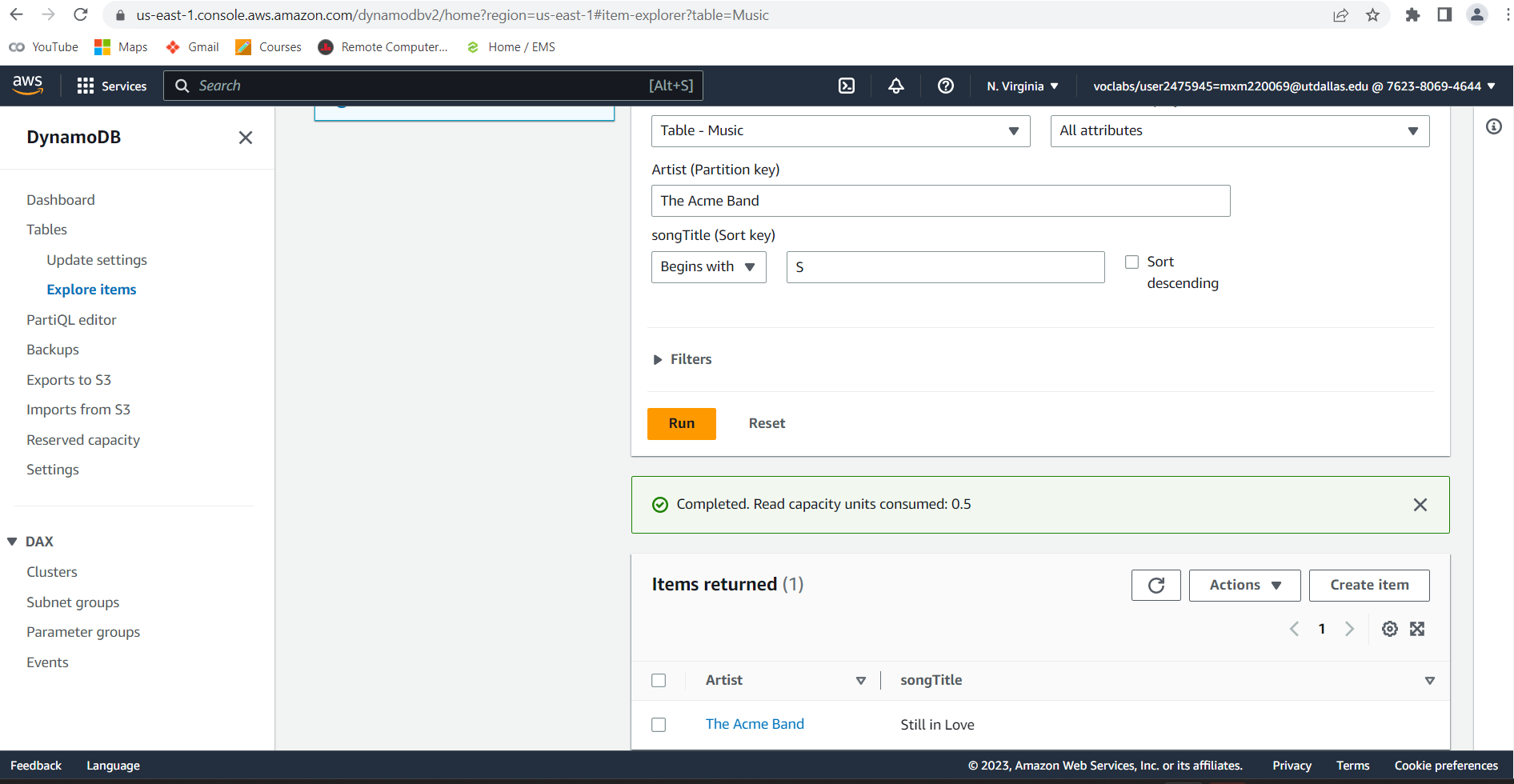
A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Step3: c screen shot. Performed more complex query and verified the results.



# Lab 18: Create an Audio Transcript with Amazon Transcribe

Step 1: k. Performed specified task and presenting the output in below image.

Graphical user interface, text, application, email

Description automatically generated



Step 2: d screenshot. Creating the transcription jobs.

Graphical user interface, text, application

Description automatically generated

Step 3: b screen shot. Observed the results shown in the below images.

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text

Description automatically generated

# Lab 19: AWS Network Setup (VPC-ACLs-IGW and NATs)

1.Please save your EIP \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

Ans) Elastic IP address 52.70.73.184

2. Want is your VPC-ID and Owner ID what you created step 12 ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( for Owner ID Select your MyVPC and look into

details tab below the page)

Ans) vpc id : vpc-0ffd491c997b447b3

ownerid: 401410386190

3. How many available IP v4 addresses for Public and Private subnets? ( step 17)

\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_ are they same ? why/why not ? explain.

Ans: 251 private available subnets and 250 available public subnets.

AWS VPC (Virtual Private Cloud) setup, the number of available private and public subnets is determined by the CIDR block(s) that you allocate for your VPC. The CIDR block defines the range of IP addresses that can be used within the VPC and its subnets.

the number of available subnets can be calculated using the formula 2^(32-n), where n is the number of bits used for the network portion of the IP address

4.4. screenshot I took at step 27.

A screenshot of a computer

Description automatically generated

# Lab 20: AWS Well Architecture Lab

Step: 1.2.12 screenshot. Created a stack and verified subscription.

Graphical user interface, text, application, email

Description automatically generated

Step 2.15 image. Created backup plan.

Graphical user interface, application, website

Description automatically generated

Step 3: 4 Ran required commands in command prompt.

Text

Description automatically generated

Step 4: 20 Validated the backup.

Shape

Description automatically generated