TASK B: Step-by-step guide to generate a DynamoDB Table using the data stored on the S3 Bucket.

In the previous task we successfully stored JSON data on an S3 bucket named 30119304-box-stream-bucket and now we are going to generate a DynamoDB Table using the data stored on the 30119304-box-stream-bucket bucket.

1. Go to the AWS (Amazon Web Services) Management Console and sign in to your AWS account.

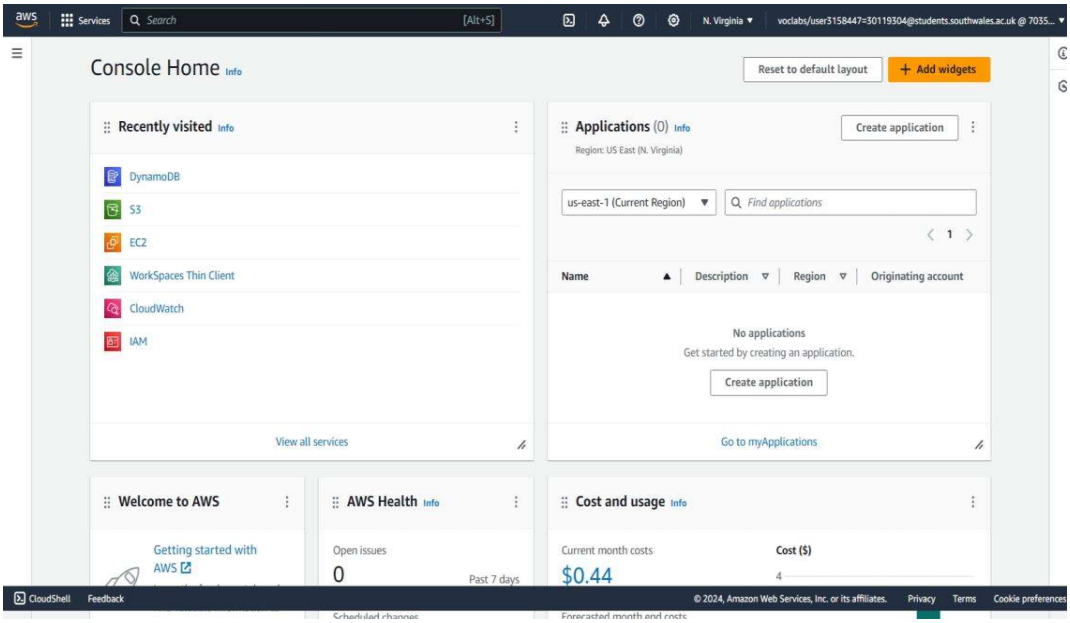

Fig 1: AWS (Amazon Web services) Home page

2. Once logged in, navigate to the DynamoDB service by clicking on **"Services"** in the top left corner, then selecting **"DynamoDB"** under the Database section or you can search in the search bar.

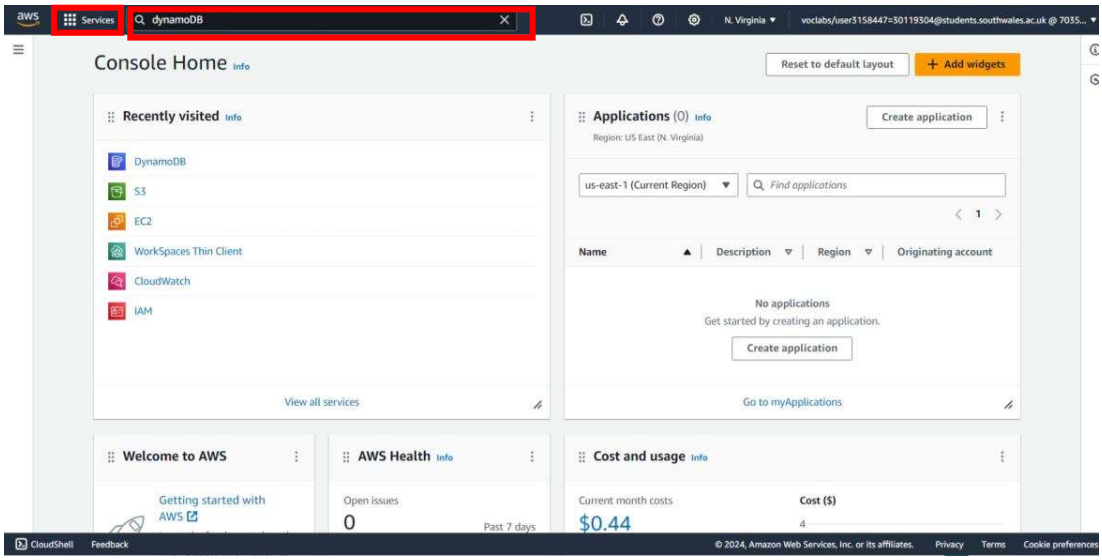

Fig 2: AWS (Amazon Web services) Home page

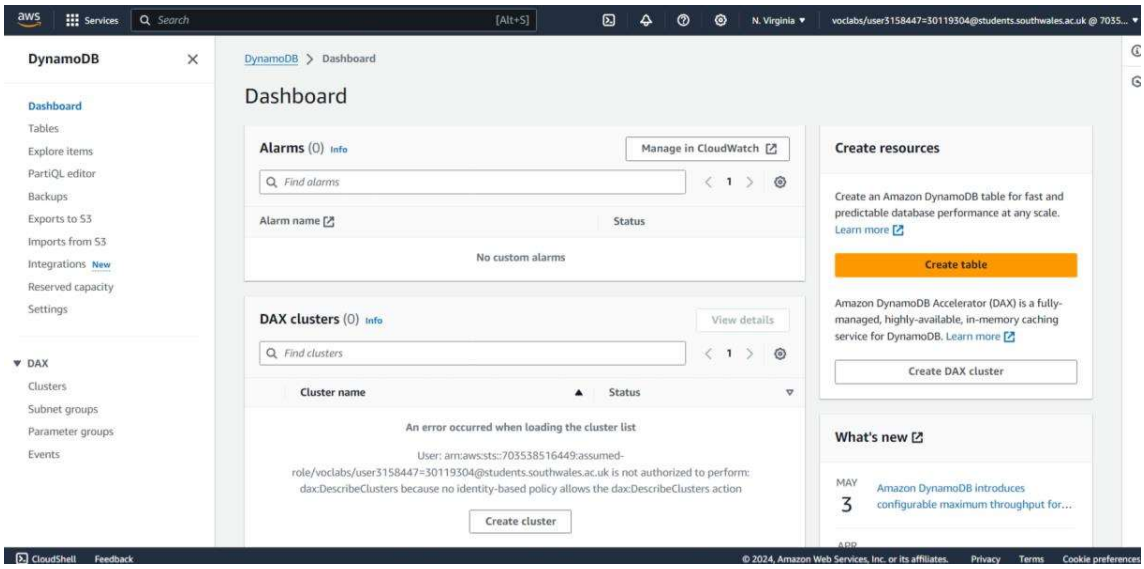

Fig 3: DynamoDB page

3. Begin generating a DynamoDB table using the data stored in S3 bucket(30119304-box-stream-bucket).
    - Check that the **N. Virginia (us-east-1)** region's resources are currently being managed by your EC2 console. Checking the drop-down option to the left of your username at the top of the screen will allow you to confirm this. Before

moving on to the following stage, select the N. Virginia region from the region selection if it is not already shown.

- In the Right side click on the **"Imports from S3"** option.
- Then click on the **"Import from S3"** button.

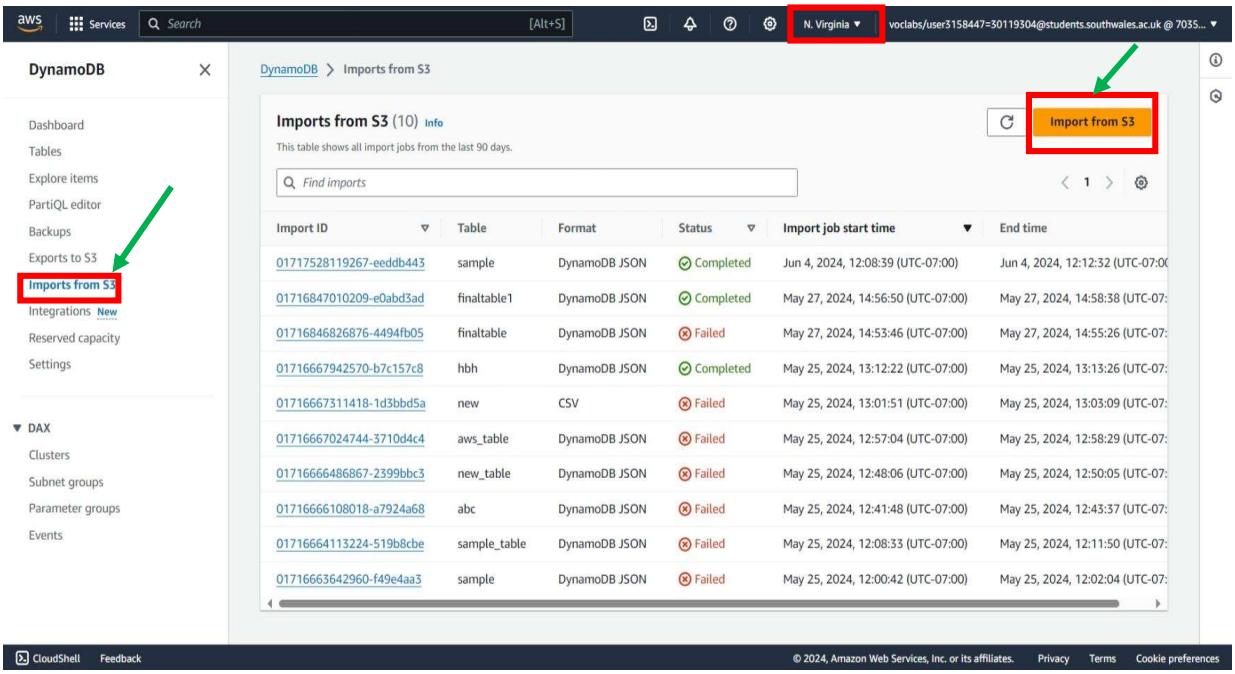

Fig 4: DynamoDB page

4. Now begin to start import from your S3 bucket (30119304-box-stream-bucket)
   - In the Source S3 URL option choose browse option to select your S3 bucket (30119304-box-stream-bucket) and click on **choose** button.
   - Make sure in **Import file format** you selected **"DynamoDB JSON"**
   - Leave other settings as default and click on the **"Next"** button.

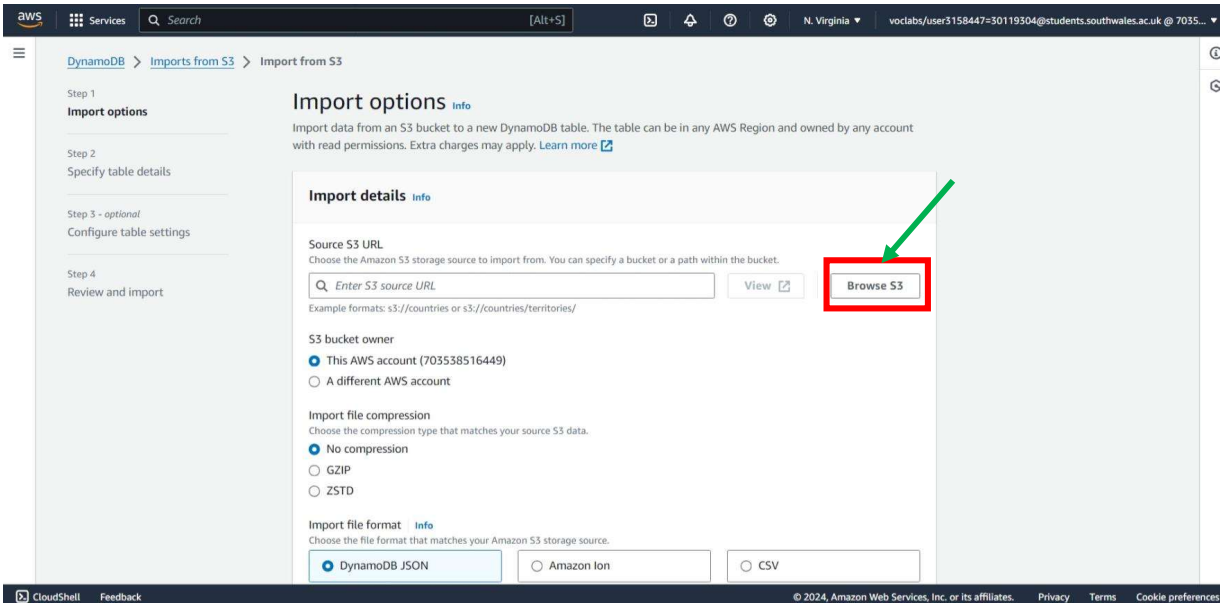

Fig 5: Import from S3 page

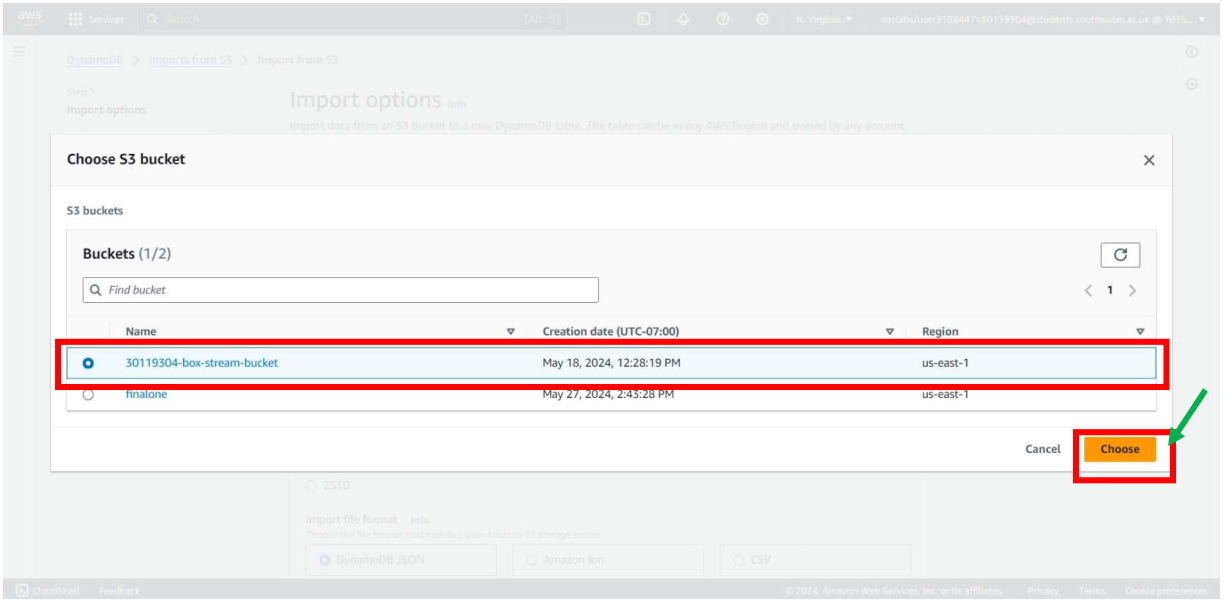

Fig 6: Import from S3 page

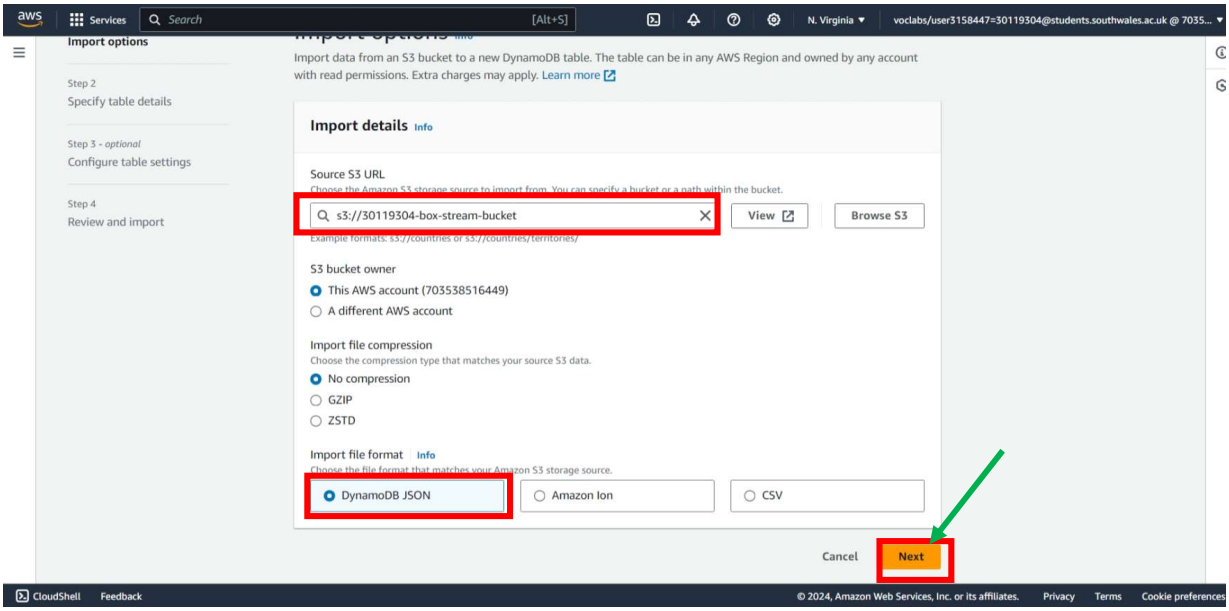

Fig 7: Import from S3 page

5. Now it is time to crate DynamoDB table for S3 bucket, configure the DynamoDB table details like:
    - Table name: 30119304-box-stream-db
    - Partition key: Account Name and type is String

Note: The partition key is part of the table's primary key. It is a hash value that is used to retrieve items from your table and allocate data across hosts for scalability and availability.

- Sort key: Account Age and Type is Number

Note: You can use a sort key as the second part of a table's primary key. The sort key allows you to sort or search among all items sharing the same partition key.

- Now click on the **Next**
- Table setting select Default setting and click on the **Next** button.
- Review the Configure the table details if everything is correct then
- Click on **Import** button

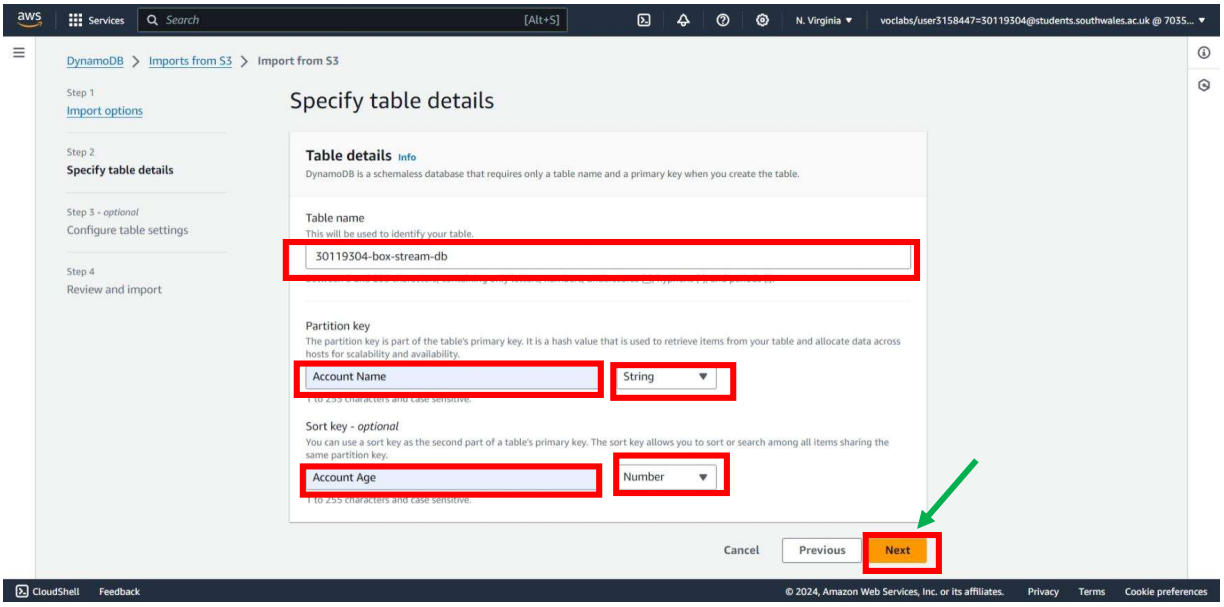

Fig 8: Import from S3 page

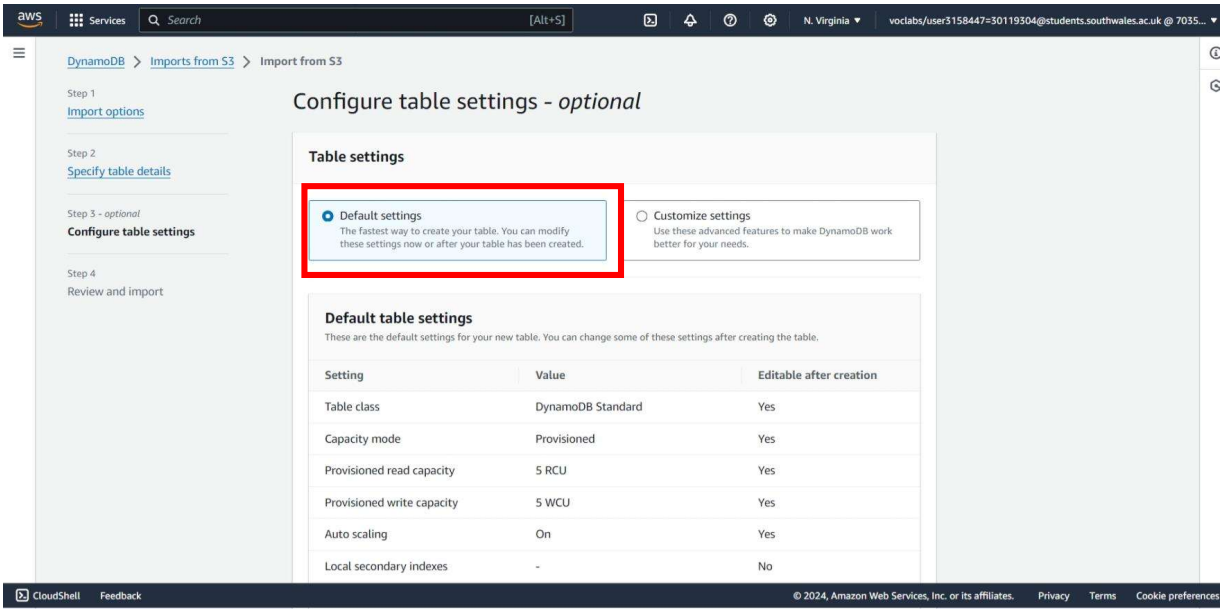

Fig 9: Import from S3 page

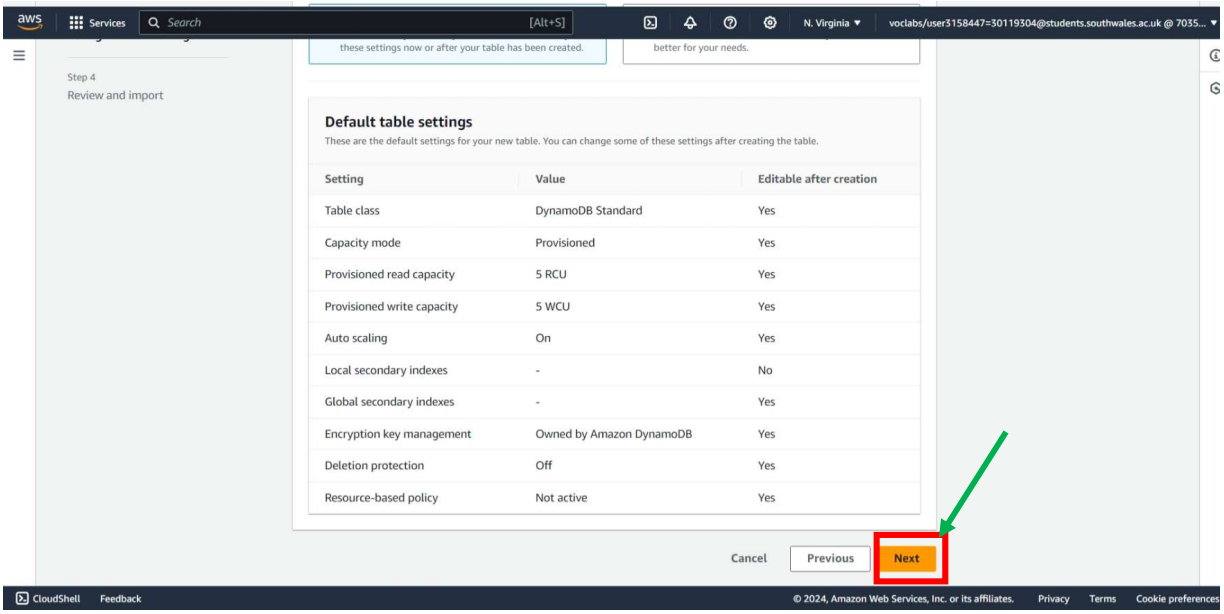

Fig 10: Import from S3 page

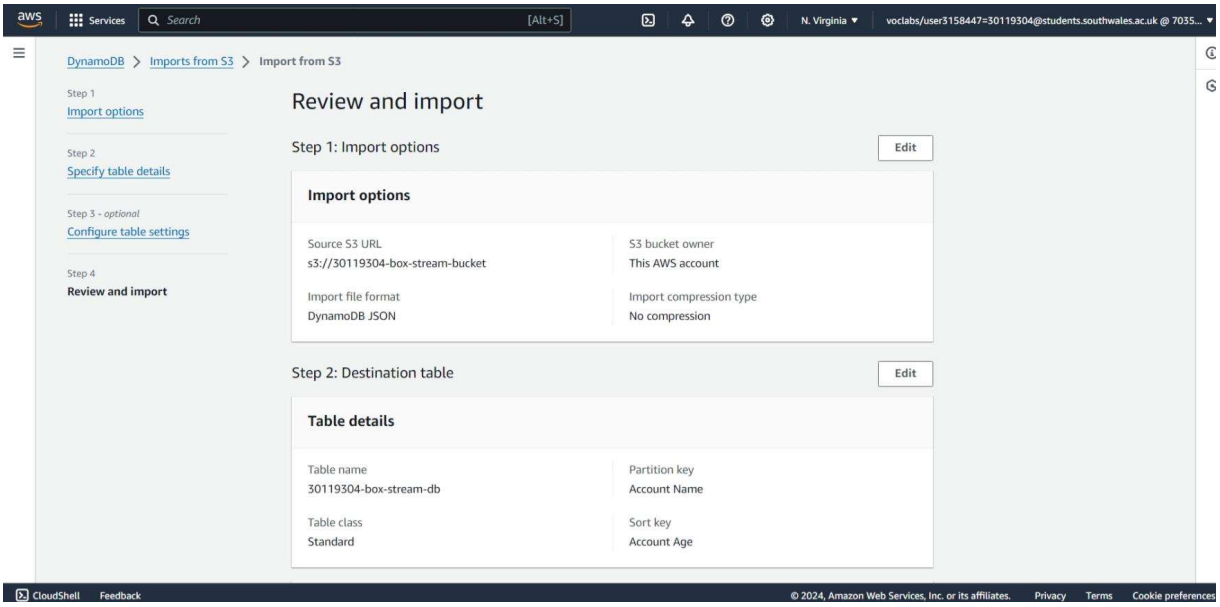

Fig 11: Import from S3 page

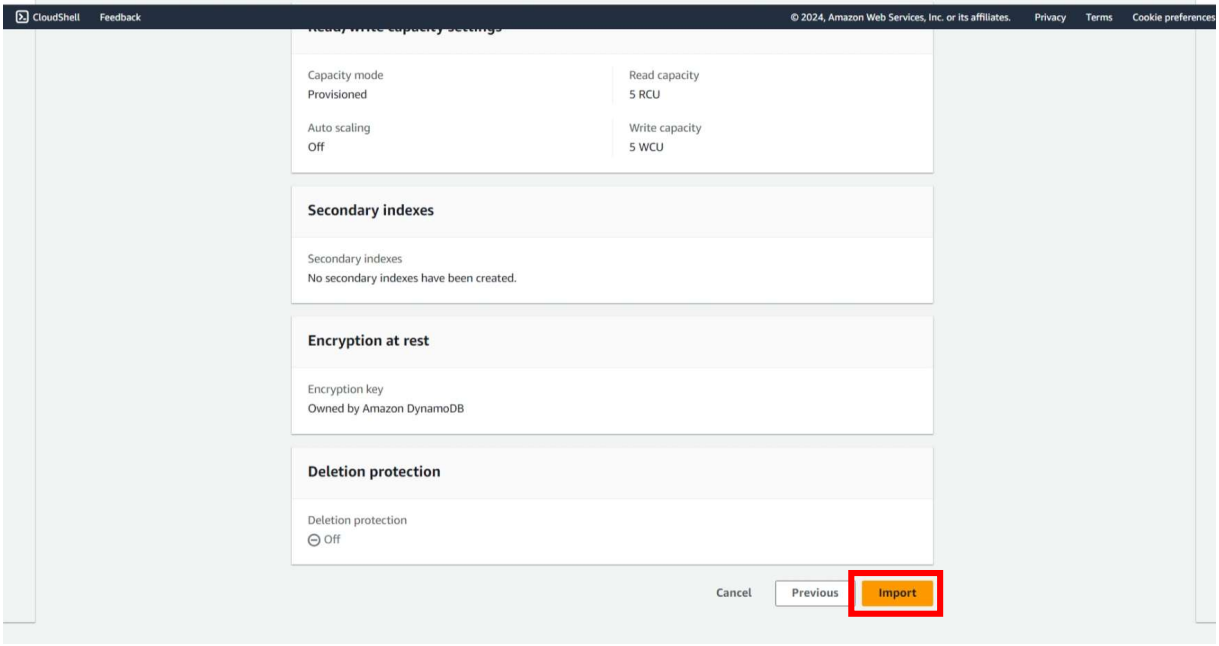

Fig 12: Import from S3 page

6. Now it will take a few minutes to Upload, after that you can see the notification on your screen that you successfully imported.

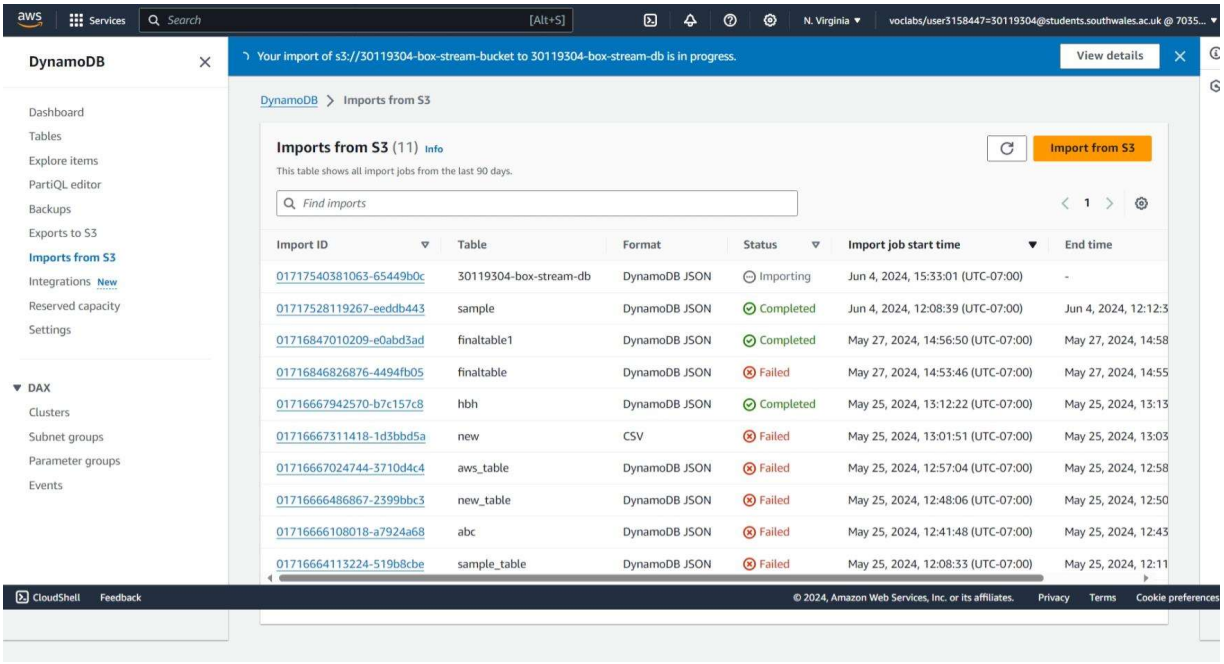

Fig 13: DynamoDB page

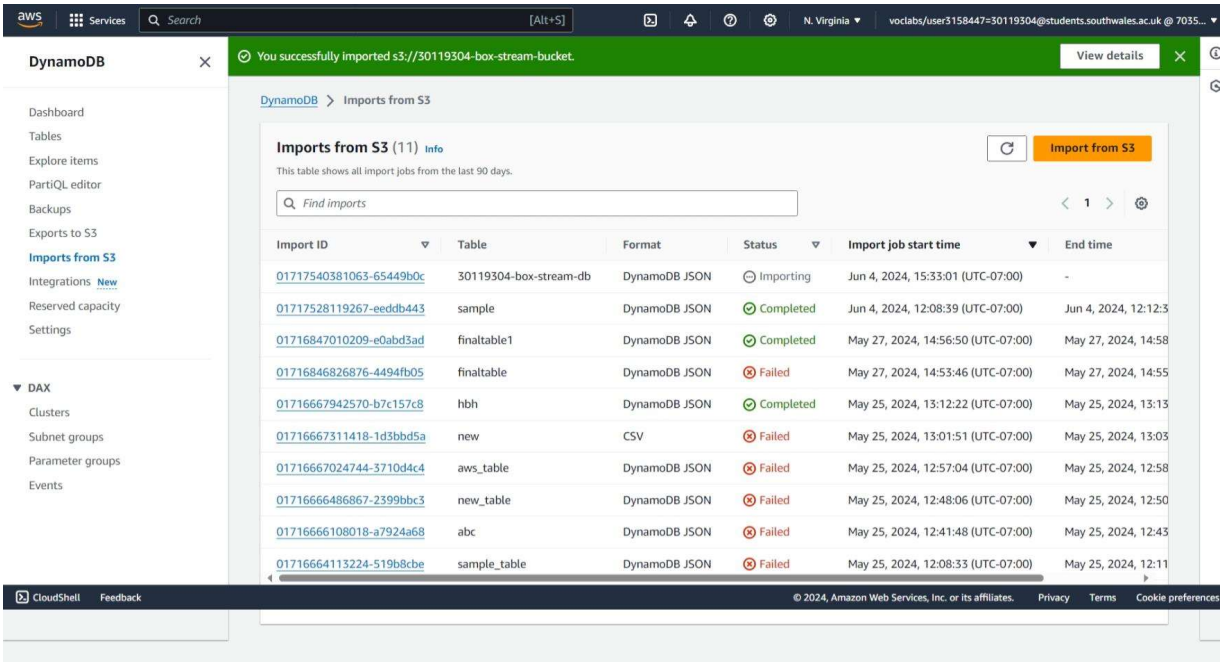

Fig 14: DynamoDB page

7. In the right side click on the **"Tables"** and open now you can see your **30119304-box-stream-db** table has appeared in the tables.

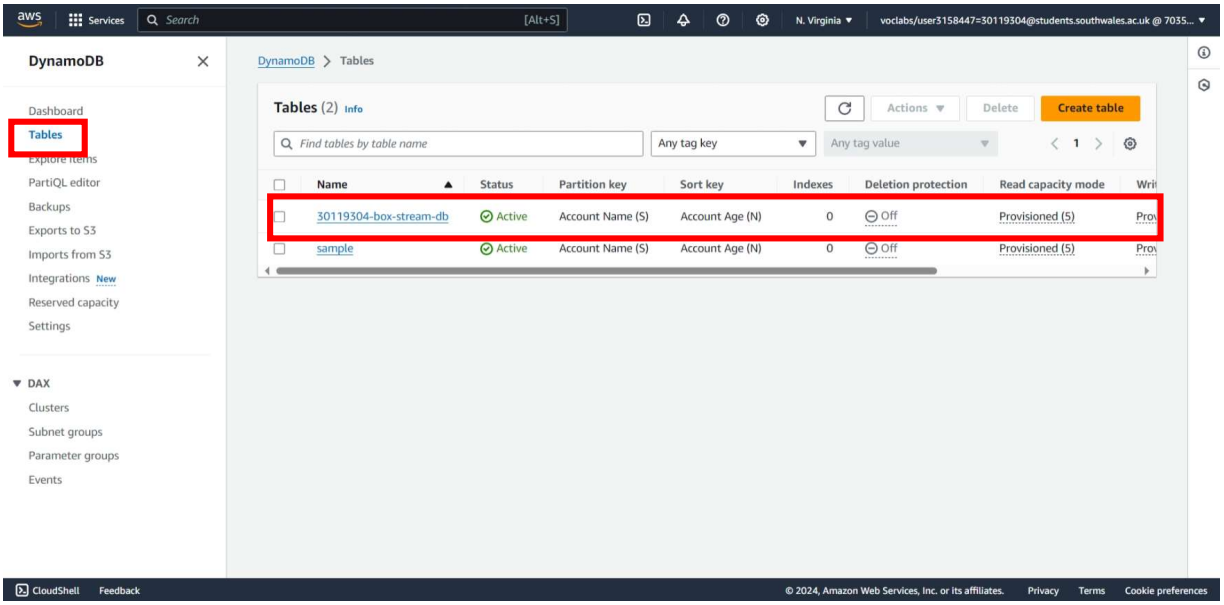

Fig 15: DynamoDB page

Congratulations! You have successfully generated a DynamoDB Table using the data stored on the S3 Bucket.