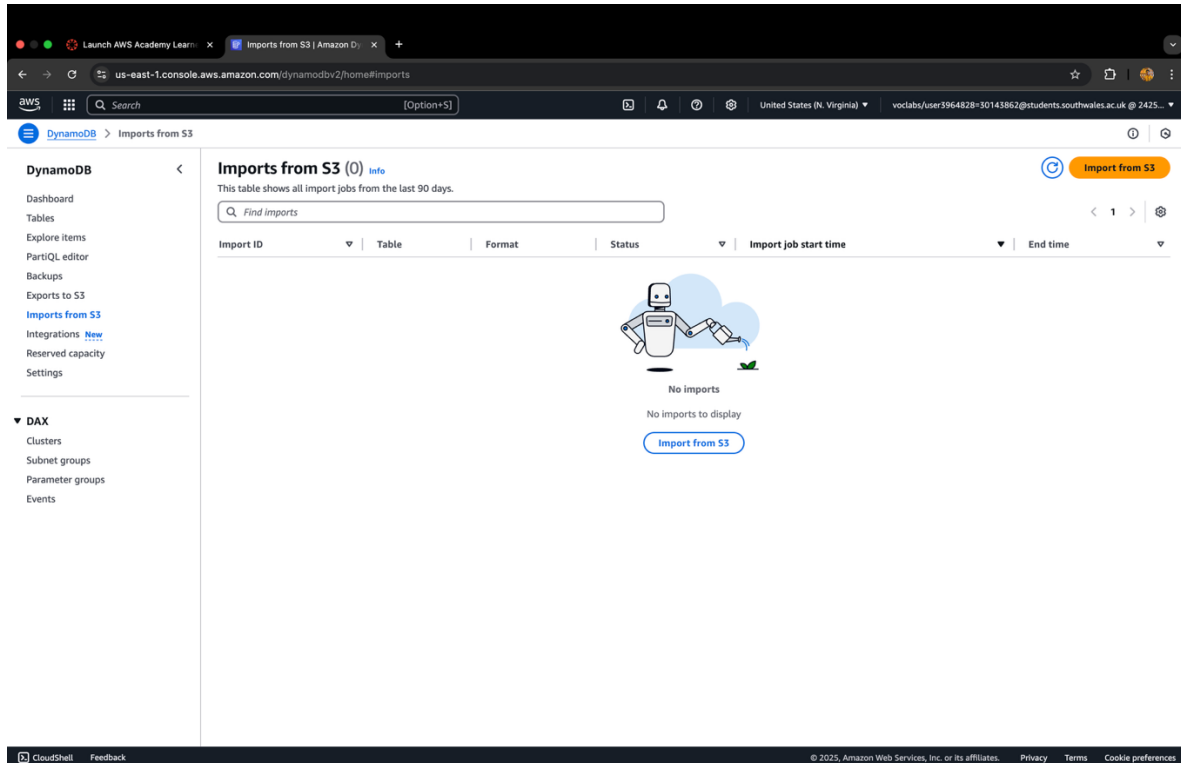


# Harithas Uthayakumar

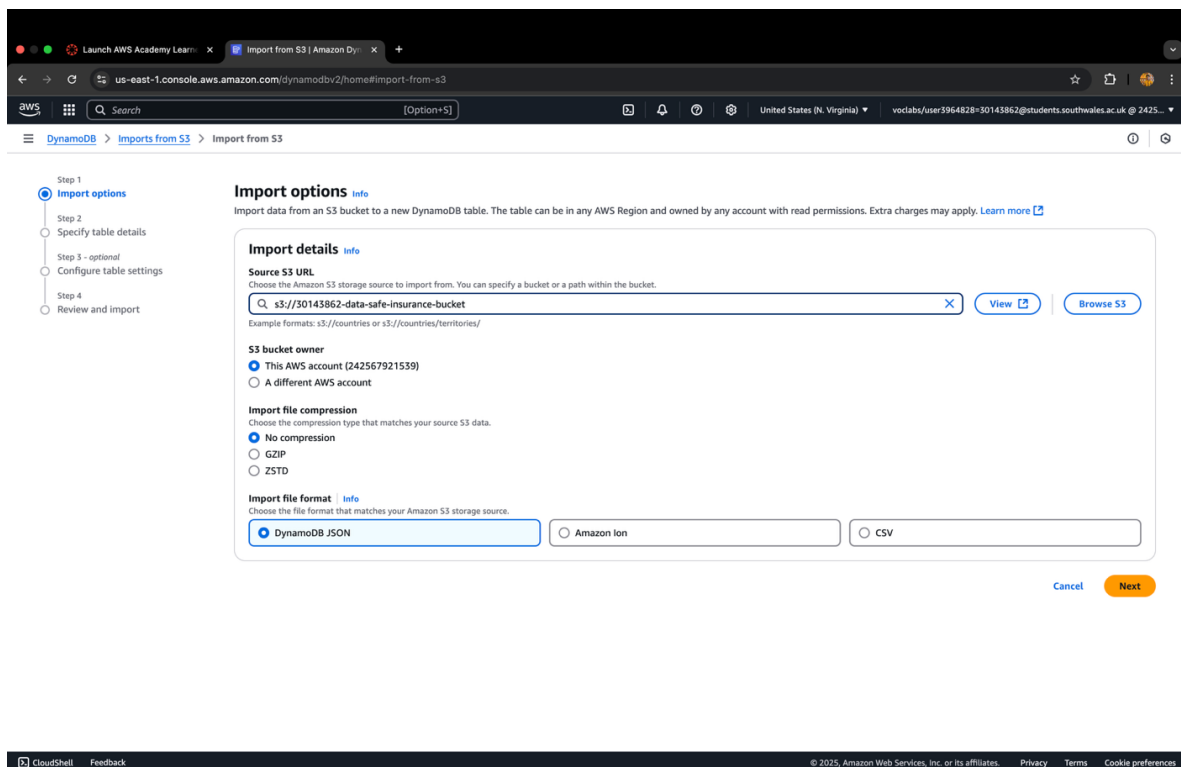
## 30143862

### MS4S21 – Assessment 2

1. AWS's built-in "Import from S3" function was used to load the dataset.



Entered the S3 bucket path where the dataset is stored.



2. A table named **30143862-data-safe-insurance-db** was created in DynamoDB, using Client Username as the partition key. Partition key chosen based on unique client identity per region, ensuring fast access and logical distribution.

The screenshot shows the 'Specify table details' step in the AWS Management Console. The table name is '30143862-data-safe-insurance-db'. The partition key is 'Client username' with a 'String' data type. The sort key is optional and set to 'Enter the sort key name' with a 'String' data type. The console includes a progress bar on the left with steps: Step 1: Import options, Step 2: Specify table details (selected), Step 3 - optional: Configure table settings, and Step 4: Review and import. At the bottom, there are 'Cancel', 'Previous', and 'Next' buttons.

Step 1: Import options  
Step 2: Specify table details  
Step 3 - optional: Configure table settings  
Step 4: Review and import

### Specify table details

**Table details** [info](#)  
DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.

**Table name**  
This will be used to identify your table.  
  
Between 3 and 255 characters, containing only letters, numbers, underscores (\_), hyphens (-), and periods (.).

**Partition key**  
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.  
   
1 to 255 characters and case sensitive.

**Sort key - optional**  
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.  
   
1 to 255 characters and case sensitive.

[Cancel](#) [Previous](#) [Next](#)

On-demand capacity mode selected to simplify scaling and reduce initial setup.

The screenshot shows the 'Configure table settings - optional' step in the AWS Management Console. The 'Default settings' option is selected. The console includes a progress bar on the left with steps: Step 1: Import options, Step 2: Specify table details, Step 3 - optional: Configure table settings (selected), and Step 4: Review and import. At the bottom, there are 'Cancel', 'Previous', and 'Next' buttons.

Step 1: Import options  
Step 2: Specify table details  
Step 3 - optional: Configure table settings  
Step 4: Review and import

### Configure table settings - optional

**Table settings**

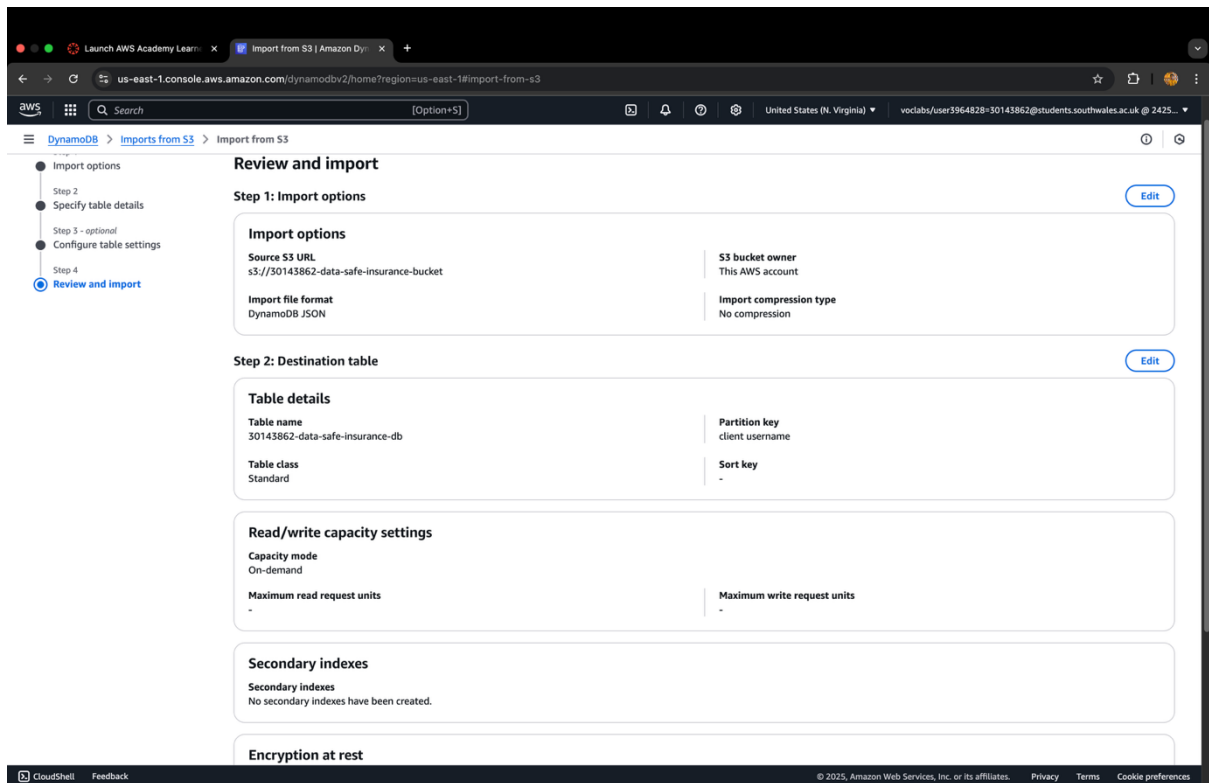
☒ **Default settings**  
The fastest way to create your table. You can modify most of these settings after your table has been created. To modify these settings now, choose 'Customize settings'.

☐ **Customize settings**  
Use these advanced features to make DynamoDB work better for your needs.

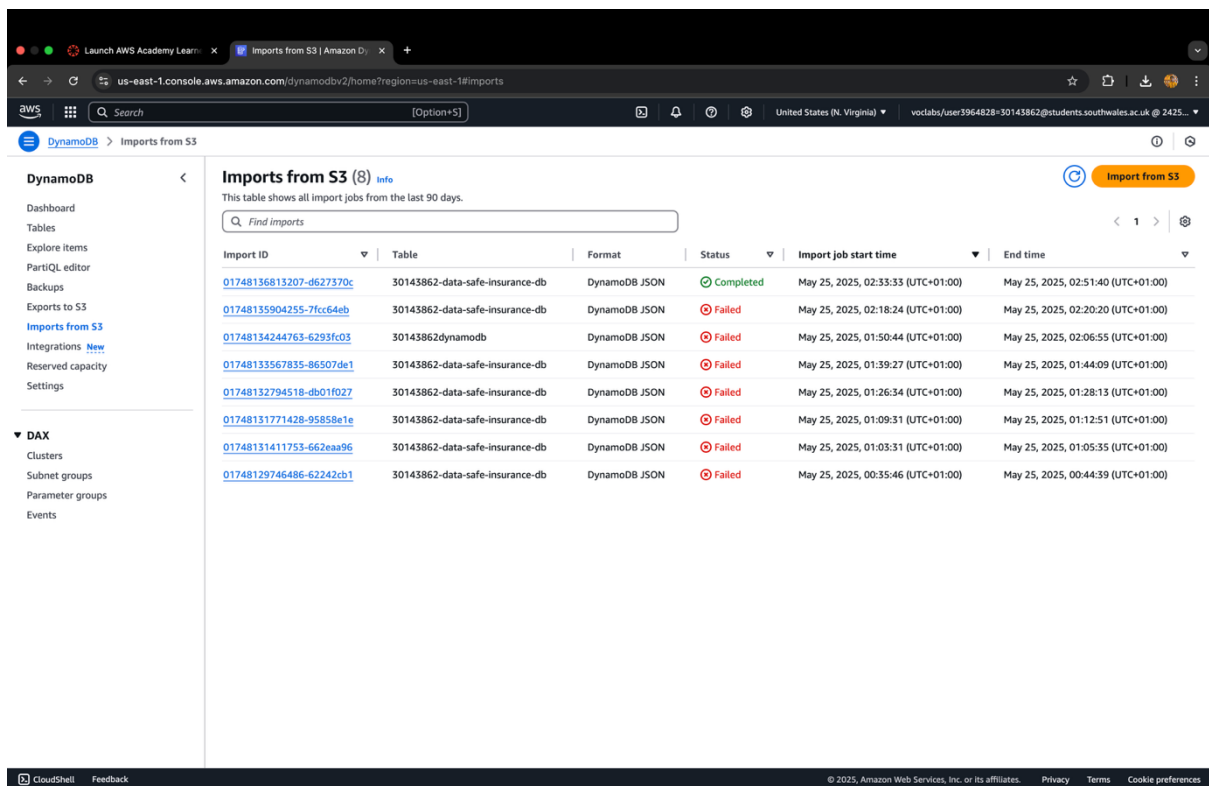
**Default table settings**  
These are the default settings for your new table. You can change some of these settings after creating the table.

Setting	Value	Editable after creation
Table class	DynamoDB Standard	Yes
Capacity mode	On-demand	Yes
Maximum read capacity units	-	Yes
Maximum write capacity units	-	Yes
Local secondary indexes	-	No
Global secondary indexes	-	Yes
Encryption key management	Owned by Amazon DynamoDB	Yes
Deletion protection	Off	Yes
Resource-based policy	Not active	Yes

[Cancel](#) [Previous](#) [Next](#)



A failed import attempt was encountered due to format issues. The problem was resolved. The final successful import is shown below.



The DynamoDB table is now populated and ready for querying.

Launch AWS Academy Learn

Import | Amazon DynamoDB

us-east-1.console.aws.amazon.com/dynamodbv2/home?region=us-east-1#view-import?arn=arn%3Aaws%3Adynamodb%3Aus-east-1%3A242567921539%3Atable%2F30143862-data-safe-insurance...

Search[Option+S]

United States (N. Virginia) | voclabs/user3964828-30143862@students.southwales.ac.uk @ 2425...

DynamoDB > Imports from S3 > arn:aws:dynamodb:us-east-1:242567921539:table/30143862-data-safe-insurance-db/import/01748136813207-d627370c

DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations [New](#)

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

arn:aws:dynamodb:us-east-1:242567921539:table/30143862-data-safe-insurance-db/import/01748136813207-d627370c

Import details

Source and destination

Source S3 URL  
[s3://30143862-data-safe-insurance-bucket](#)

Import ARN  
[arn:aws:dynamodb:us-east-1:242567921539:table/30143862-data-safe-insurance-db/import/01748136813207-d627370c](#)

Destination table name  
30143862-data-safe-insurance-db

Status

Status  
Completed

Import job start time  
Sunday, May 25th, 2025 at 2:33:33 AM (UTC+01:00)

End time  
Sunday, May 25th, 2025 at 2:51:40 AM (UTC+01:00)

Error count  
0

Imported item count  
40

Imported table size  
24.3 kilobytes

CloudWatch log group  
[arn:aws:logs:us-east-1:242567921539:log-group:/aws-dynamodb/imports-](#)

Advanced configuration

Import format  
DynamoDB JSON

Import compression type  
No compression

CloudShell

Feedback

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