

Assignment Day 12 | 8th November 2020(Manish Patel)

Question 1:

Task 1: Create a dynamo db table with minimum two disaster recovery zones and verify replication.

ss1:Disaster recovery regions with the table

The screenshot shows the AWS DynamoDB console interface. The left sidebar contains navigation links for DynamoDB, Dashboard, Tables, Backups, Reserved capacity, Preferences, DAX, and Events. The main content area displays the 'Global Tables' tab for the 'Albums' table. A table lists the configured regions:

Region Name	Status	Read capacity units	Write capacity units	Auto Scaling	Endpoint
Asia Pacific (Sydney)	Active	5	5	READ_AND_WRITE	dynamodb.ap-southeast-2.amazonaws.com
US East (N. Virginia)	Active	5	5	READ_AND_WRITE	dynamodb.us-east-1.amazonaws.com
US East (Ohio)	Active	5	5	READ_AND_WRITE	dynamodb.us-east-2.amazonaws.com

ss2:Home region with all items displayed

The screenshot shows the AWS DynamoDB console interface. The left sidebar contains navigation links for DynamoDB, Dashboard, Tables, Backups, Reserved capacity, Preferences, DAX, and Events. The main content area displays the 'Items' tab for the 'Albums' table. A table lists the items:

Actors	songs
akshay	burj
bachhan	bule
rajani	red
esman	ekru

ss3:Use query to fetch few items

The screenshot shows the AWS DynamoDB console interface. On the left, the 'DynamoDB' sidebar is visible with options like 'Dashboard', 'Tables', 'Backups', 'Reserved capacity', 'Preferences', 'DAX', and 'Events'. The main area displays the 'Albums' table with tabs for 'Overview', 'Items', 'Metrics', 'Alarms', 'Capacity', 'Indexes', 'Global Tables', 'Backups', and 'More'. The 'Items' tab is active, showing a query for '[Table] Albums: Actors, songs' with a filter on the 'songs' sort key for the value 'akshay'. The results show one item: 'akshay' (actor) and 'burj' (song).

ss4: deletion and verification

The screenshot shows the AWS DynamoDB console with a 'Delete table' modal open. The modal displays an error message: 'Failed to delete table. Replica cannot be deleted because it has acted as a source region for new replica(s) being added to the table in the last 24 hours. (Service: AmazonDynamoDBv2; Status Code: 400; Error Code: ValidationException; Request ID: FB6SI96DNHMEBS1D48LFJQ82RVV4KQNSO5AEMVJF66Q9ASUAAJG; Proxy: null)'. Below the error message, there is a 'Close' button. In the background, a table with items is visible, including 'bachchan', 'rajani', 'salman', and 'shahrukh'.

Task 2: Creating a dynamo DB table with global secondary indexes and fetching data using global secondary indexes.

ss1: Table with its items displayed

us-east-2.console.aws.amazon.com/dynamodb/home?region=us-east-2#tables:selected=MyOrderTable;tab=overview

Services Search for services, features, marketplace products, and docs [Alt+S]

DynamoDB

Dashboard

Tables

Backups

Reserved capacity

Preferences

DAX

Dashboard

Clusters

Subnet groups

Parameter groups

Events

Try the preview of the new console

Create table Delete table

Filter by table name

Choose a table ... Actions

Name

Albums

MyOrderTable

MyOrderTable Close

Overview Items Metrics Alarms Capacity Indexes Global Tables Backups More

Table name MyOrderTable

Primary partition key Username (String)

Primary sort key OrderID (String)

Point-in-time recovery DISABLED [Enable](#)

Encryption Type DEFAULT [Manage Encryption](#)

KMS Master Key ARN Not Applicable

Encryption Status

CloudWatch Contributor Insights DISABLED [Manage Contributor Insights](#) **NEW**

Time to live attribute DISABLED [Manage TTL](#)

Table status Updating

Creation date December 31, 2020 at 9:36:40 PM UTC+5:30

Read/write capacity mode Provisioned

Last change to on-demand mode -

Provisioned read capacity units 5 (Auto Scaling Enabled)

Provisioned write capacity units 5 (Auto Scaling Enabled)

Last decrease time -

Last increase time -

Storage size (in bytes) 0 bytes

Item count 0 [Manage live count](#)

Region US East (Ohio)

Feedback English (US)

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ss2:creating global secondary index

us-east-2.console.aws.amazon.com/dynamodb/home?region=us-east-2#tables:selected=MyOrderTable;tab=indexes

Services Search for services, features, marketplace products, and docs [Alt+S]

DynamoDB

Dashboard

Tables

Backups

Reserved capacity

Preferences

DAX

Dashboard

Clusters

Subnet groups

Parameter groups

Events

Try the preview of the new console

Create table Delete table

Filter by table name

Choose a table ... Actions

Name

Albums

MyOrderTable

MyOrderTable Close

Overview Items Metrics Alarms Capacity Indexes Global Tables Backups More

Create index Delete index

Name	Status	Type	Partition key	Sort key	Attributes	Read capacity
User-Amount-OrderID-Inx	Active	GSI	User Amount (String)	OrderID (String)	ALL	5

Feedback English (US)

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ss3:scan with global secondary index

us-east-2.console.aws.amazon.com/dynamodb/home?region=us-east-2#tables:selected=MyOrderTable;tab=items

Apps GoToMeeting JSON Viewer - Chro... Global NetAcad Ins... Learn with LetsUpg... New Tab Online Converter ... Online Calculators...

aws Services Search for services, features, marketplace products, and docs [Alt+S] Manish Patel Ohio Support

DynamoDB

Dashboard

Tables

Backups

Reserved capacity

Preferences

DAX

Dashboard

Clusters

Subnet groups

Parameter groups

Events

Try the preview of the new console

Create table Delete table

Filter by table name

Choose a table ... Actions

Name

Albums

MyOrderTable

MyOrderTable Close

Overview Items Metrics Alarms Capacity Indexes Global Tables Backups More

Create item Actions

Query: [Table] MyOrderTable: Username, OrderID Viewing 1 to 1 items

Query [Table] MyOrderTable: Username, OrderID

Partition key Username String = Porter

Sort key OrderID String = Enter value

Add filter

Sort Ascending Descending

Username OrderID Return Amount

Porter 6789 333

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21:53 31/12/2020