

Module 7: High Availability, Fault Tolerance And Disaster Recovery

Demo Document 4

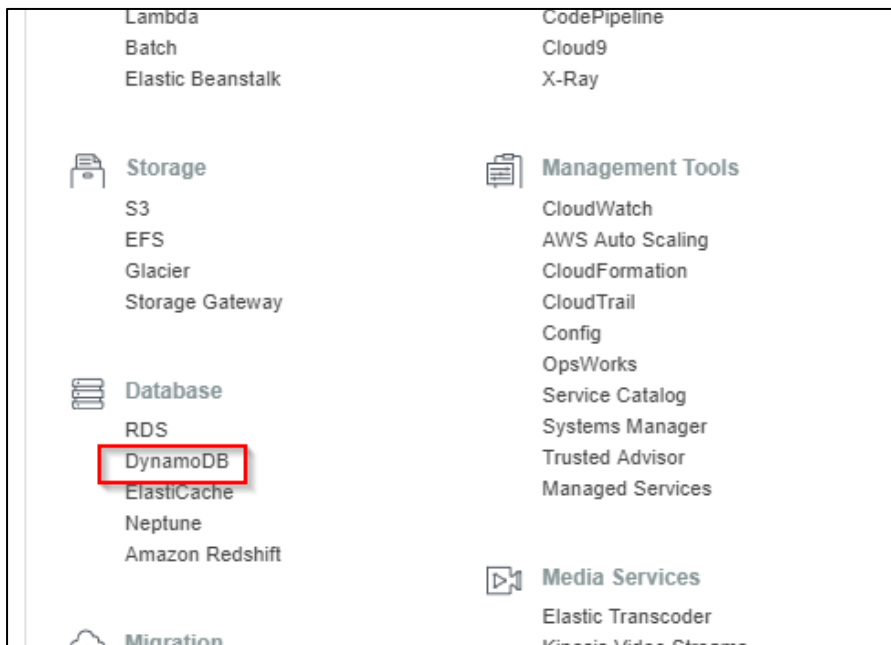
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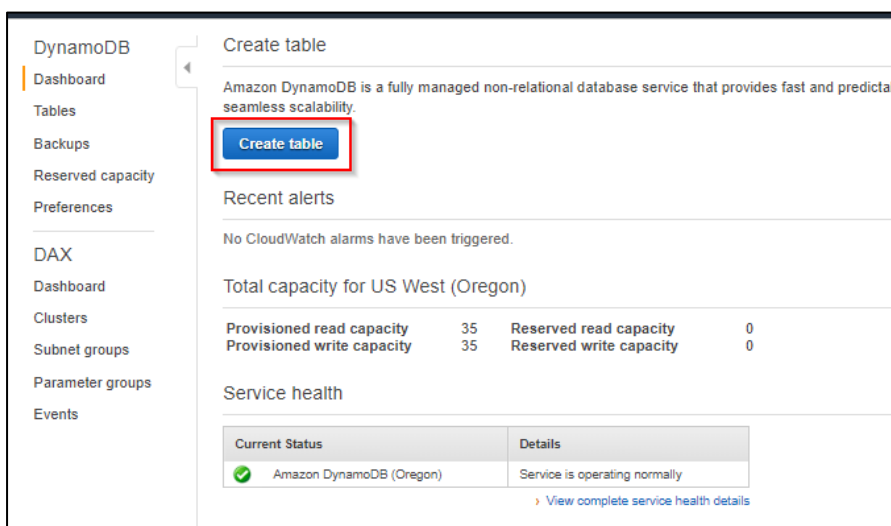
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Create A DynamoDB Table And Perform CRUD Operations

Step 1: Go to **AWS Management Console** and click on “DynamoDB” service



Step 2: Click on “Create table” under DynamoDB Dashboard



Step 3: Enter the **Table name** and **Primary key**, click on “Create”

Create DynamoDB table

DynamoDB is a schema-less database that only requires a table name and primary key. The table's items, partition the data, and sort data within each partition.

Table name*

Primary key* Partition key String ▼

☐ Add sort key

Table settings

Step 4: When table is created you can check the **Table details**

Create table Delete table

Name

- BookCollection
- Forum
- ☒ MusicCollection
- ProductCatalog1
- stock_eod
- usercust

MusicCollection Close

Overview

Items

Metrics

Alarms

Capacity

Indexes

Global Tables

Backups

Triggers

Access control

Tags

Stream details

Stream enabled

No

View type

-

Latest stream ARN

-

Manage Stream

Table details

Table name

MusicCollection

Primary partition key

Artist (String)

Primary sort key

SongTitle (String)

Point-in-time recovery

DISABLED Enable

Encryption

DISABLED

Time to live attribute

DISABLED Manage TTL

Table status

Active

Creation date

October 10, 2018 at 7:05:10 PM UTC+5:30

Provisioned read capacity units

5 (Auto Scaling Disabled)

Provisioned write capacity units

5 (Auto Scaling Disabled)

Last decrease time

-

Last increase time

-

Storage size (in bytes)

68.00 bytes

Item count

1

Region

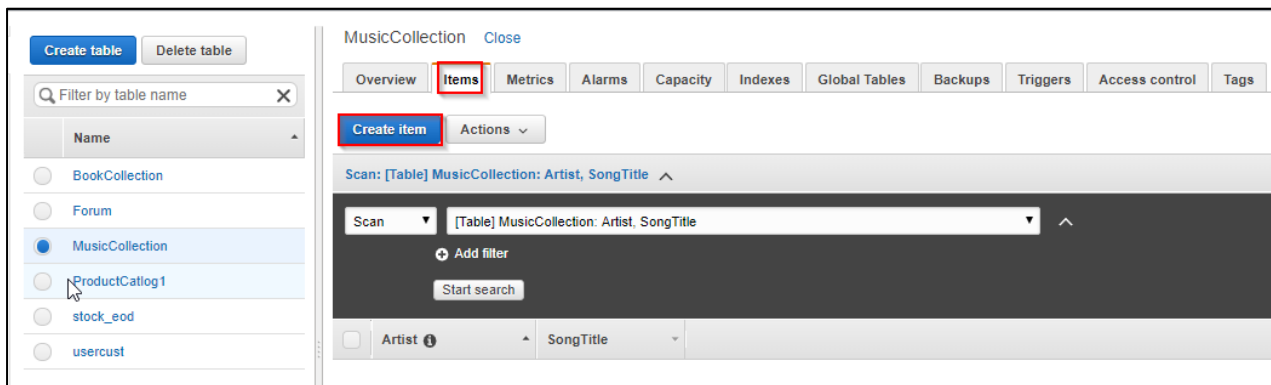
US West (Oregon)

Amazon Resource Name (ARN)

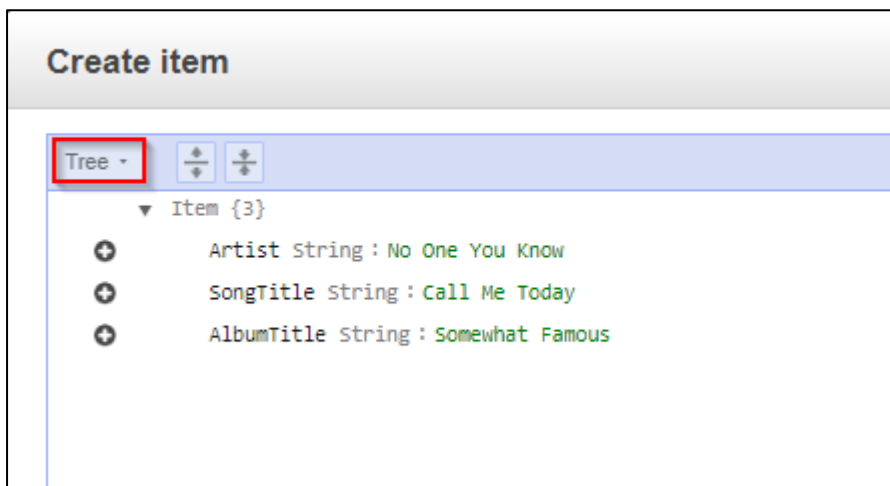
arn:aws:dynamodb:us-west-2:245376966395:table/MusicCollection

Storage size and item count are not updated in real-time. They are updated periodically, roughly every six hours.

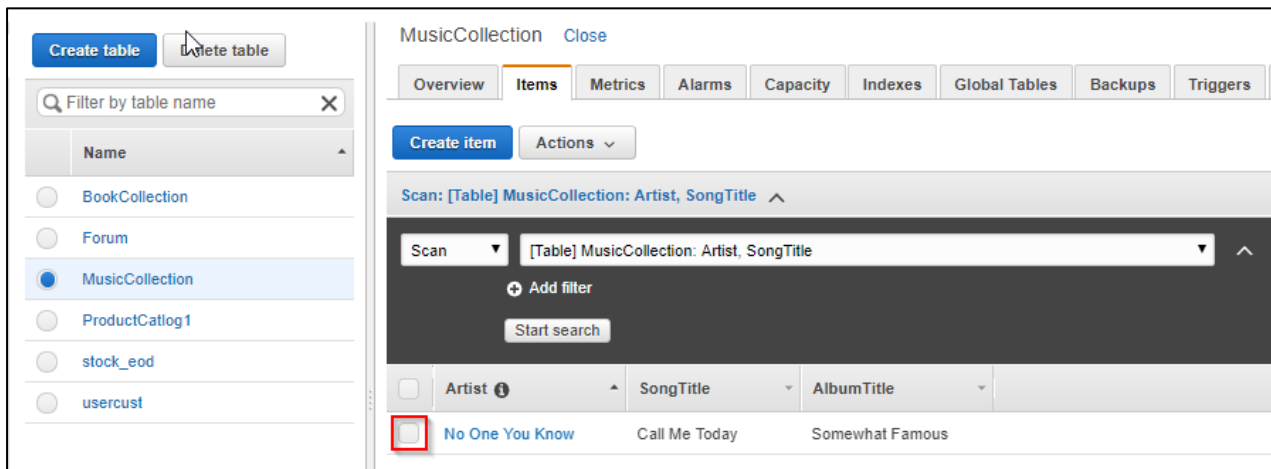
Step 5: To *insert* data into the table go to **Items** and click on “Create item”



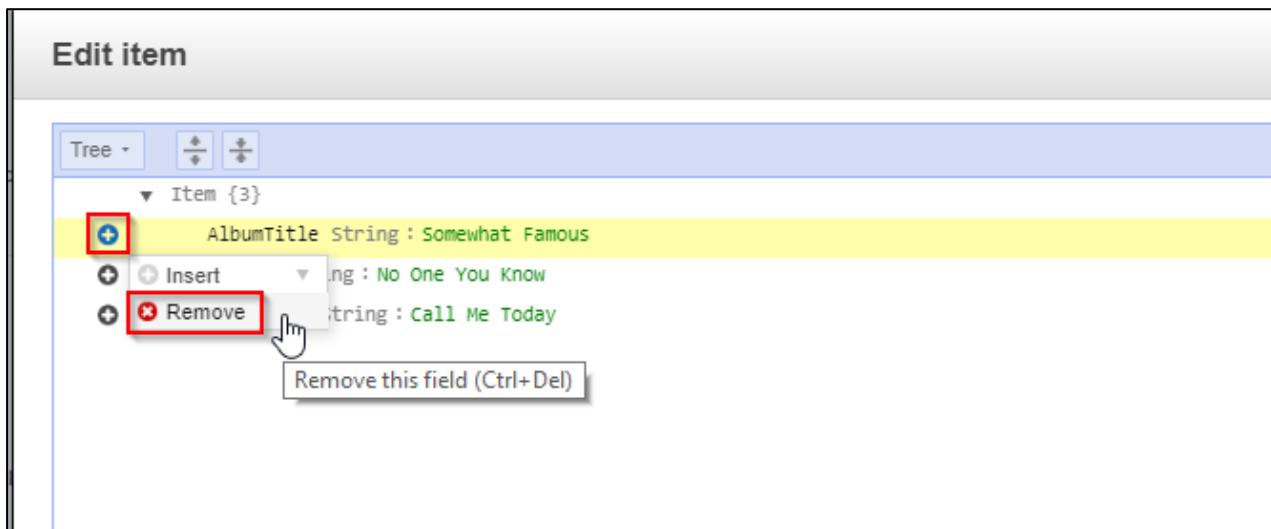
Step 6: Check the format of writing and insert the data, click on “save” to save the data



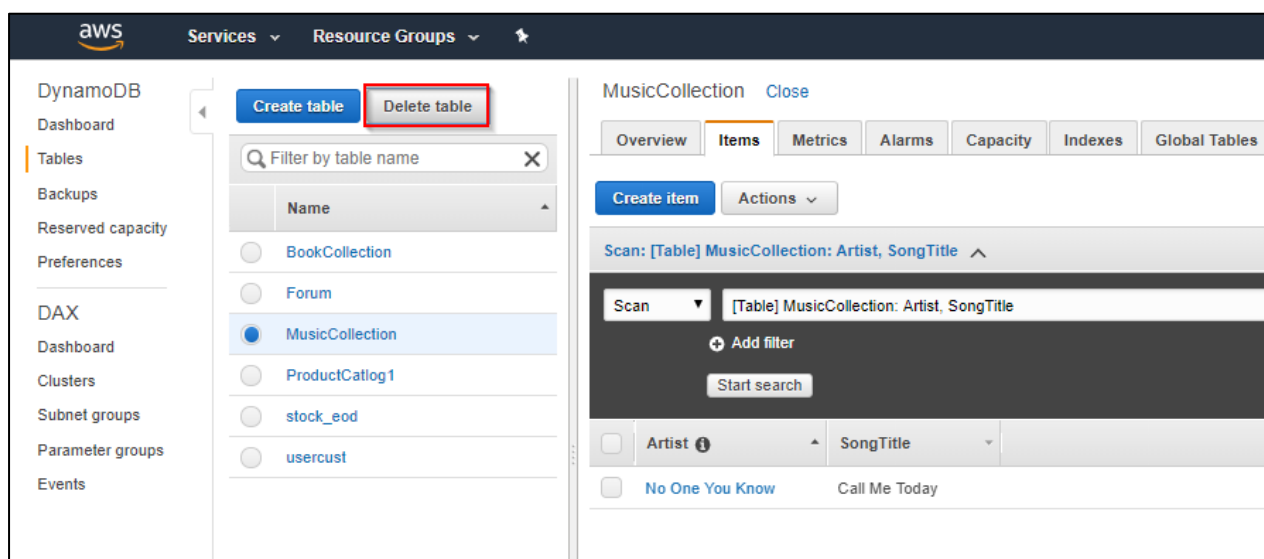
Step 7: If data is inserted successfully then you can **read** the data on the dashboard



Step 8: To **delete or remove** the item click on “Remove” and if you want to **add** an item then click on “Insert”



Step 9: To delete a table click “Delete Table”



Conclusion:

We have successfully created a table and performed CRUD operations in it