Lab Overview

Amazon DynamoDB is a fast and flexible NoSQL database service for all applications that need consistent, single-digit millisecond latency at any scale. It is a fully managed database and supports both document and key-value data models. Its flexible data model and reliable performance make it a great fit for mobile, web, gaming, ad-tech, IoT, and many other applications.
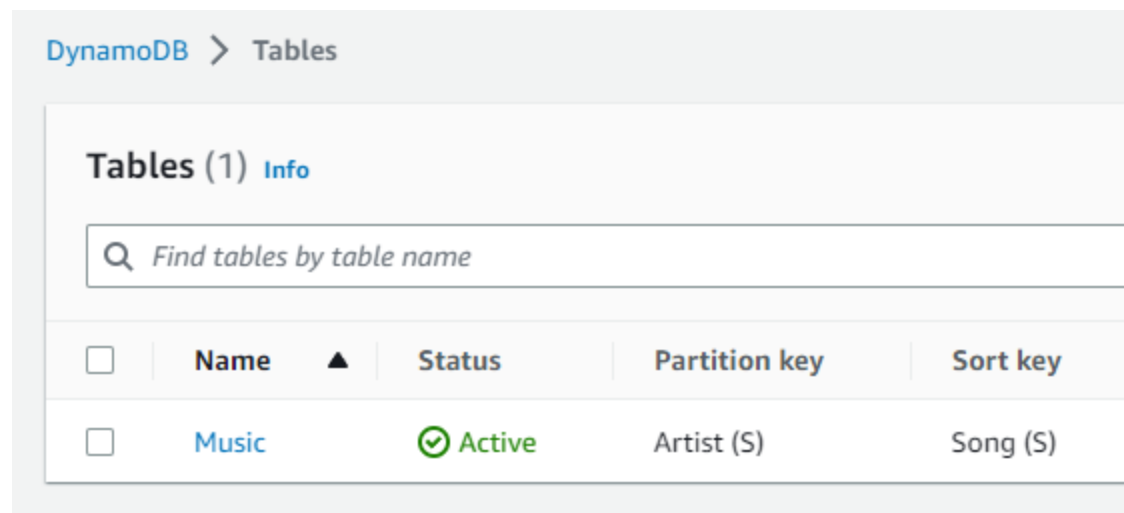
In this lab, you create a table in Amazon DynamoDB to store information about a music library. You then query the music library and, finally delete the DynamoDB table.

Objectives

After completing this lab, you will be able to:

- Create an Amazon DynamoDB table.
- Enter data into an Amazon DynamoDB table.
- Query an Amazon DynamoDB table.
- Delete an Amazon DynamoDB table.

Task 1: Create a new Table

DynamoDB > Tables

Tables (1) Info

	Name ▲	Status	Partition key	Sort key
☐	Music	⊘ Active	Artist (S)	Song (S)

Task 2: Add Data

	Artist ▽	Song ▽	Album ▽	Genre ▽	LengthSeconds ▽	Year
☐	Psy	Gangnam Style	Psy 6 (Six R...		219	2011
☐	John Lennon	Imagine	Imagine	Soft rock		1971
☐	Pink Floyd	Money	The Dark Si...			1973

Task 3: Modify an Existing Item

Change the year from 2011 to 2012.

	Artist	Song	Album	Genre	LengthSeconds	Year
☐	Psy	Gangnam Style	Psy 6 (Six R...		219	2012

Task 4: Query the Table

4.1 Query the Gangnam style song from the artist Psy.

▼ Scan or query items

○ Scan	● Query

Select a table or index

Table - Music ▼

Select attribute projection

All attributes

Artist (Partition key)

Psy

Song (Sort key)

Equal to ▼   Gangnam Style   ☐ Sort descending

▶ Filters

Run   Reset

⊘ Completed. Read capacity units consumed: 0.5

Items returned (1)

	Artist	Song	Album	LengthSeconds	Year
☐	Psy	Gangnam Style	Psy 6 (Six R...	219	2012

4.2 Scan with filter – Year: 1971

▼ Scan or query items

○ **Scan**   ○ Query

Select a table or index

Table - Music   ▼

Select attribute projection

All attributes

▼ Filters

Attribute name	Type	Condition	Value
Year	Number ▼	Equal to ▼	1971

Add filter

Run   Reset

⊘ Completed. Read capacity units consumed: 0.5

Items returned (1)

☐	Artist ▽	Song ▽	Album ▽	Genre ▽	Year
☐	John Lennon	Imagine	Imagine	Soft rock	1971

Task 5: Delete the Table

Delete table   ✕

Delete table **Music** in **US West (Oregon)** permanently? This action cannot be undone.

> ⚠ Proceeding with this action will delete the table and you won't be able to retrieve this data.

☑ Delete all CloudWatch alarms for **Music**.

☐ Create an on-demand backup of **Music** before deletion.
You can create an on-demand backup of your table for long-term retention and data archiving. You can then use this backup to restore your data to its exact state before table deletion. Additional charges apply for on-demand backup and restore. For more information see Pricing ↗.

To avoid unintentional deletions, we ask you to provide additional confirmation.

Enter "confirm" to agree.

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confirm
```

Cancel   **Delete**