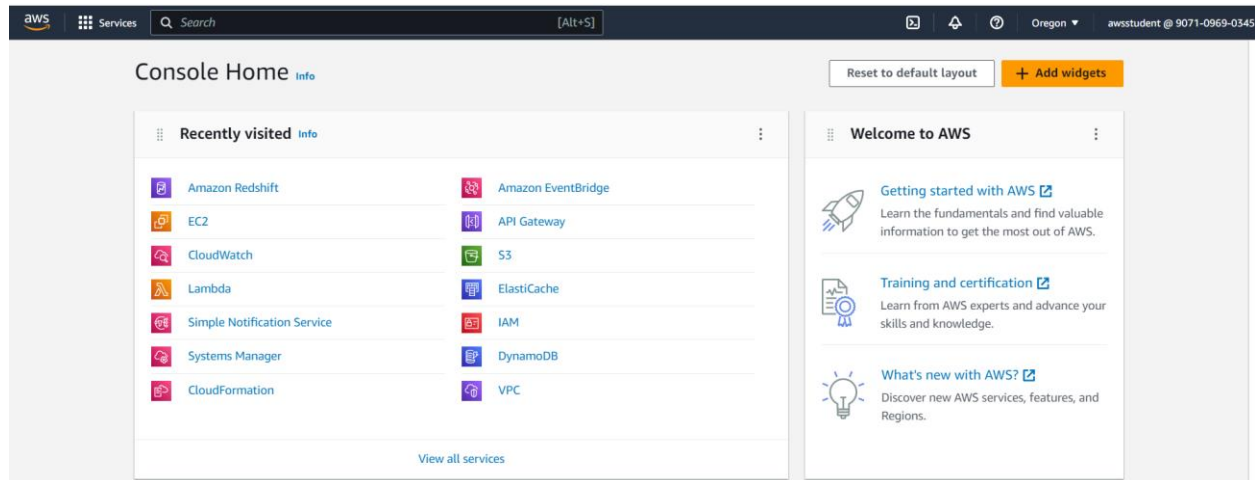


# Introduction to Amazon DynamoDB

## Start Lab

Open Console



### 1. Create a new table

DynamoDB

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.

**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.

## Creating Music Table:

Share your feedback on Amazon DynamoDB  
Your feedback is an important part of helping us provide a better customer experience. Take this short survey to let us know how we're doing.

Share feedback

×

Creating the Music table. It will be available for use shortly.

DynamoDB > Tables

Tables (1) Info

↻

Actions ▼

Delete

Create table

Any table tag ▼

< 1 >

⚙

<input type="checkbox"/>	Na... ▲	Status	Partition key	Sort key	Indexes	Deletion protection	Read capacity mode	Write capacity mo...	Tota
<input type="checkbox"/>	Music	Creating	Artist (S)	Song (S)	0	Off	Provisioned (5)	Provisioned (5)	0 by

## 2.Add data

### Create Item:

DynamoDB > Items: Music > Edit item

Create item

Form JSON view

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Attributes

Add new attribute ▼

Attribute name	Value	Type
Artist - Partition key	<input type="text" value="Pink Floyd"/>	String
Song - Sort key	<input type="text" value="Money"/>	String

Cancel Create item

### Add new attribute:

DynamoDB > Items: Music > Edit item

Edit item

Form JSON view

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Attributes

Add new attribute ▼

Attribute name	Value	Type	
Artist - Partition key	<input type="text" value="Pink Floyd"/>	String	
Song - Sort key	<input type="text" value="Money"/>	String	
Album	<input type="text" value="The Dark Side of the Moon"/>	String	Remove
Year	<input type="text" value="1973"/>	Number	Remove

Cancel Save changes

Create a second item:

DynamoDB > Items: Music > Edit item

## Create item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

**Form** JSON view

**Attributes** Add new attribute ▼

Attribute name	Value	Type	
Artist - Partition key	John Lennon	String	
Song - Sort key	Imagine	String	
Album	Imagine	String	Remove
Year	1971	Number	Remove
Genre	Soft rock	String	Remove

Cancel Create item

Third item:

DynamoDB > Items: Music > Edit item

## Create item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

**Form** JSON view

**Attributes** Add new attribute ▼

Attribute name	Value	Type	
Artist - Partition key	Psy	String	
Song - Sort key	Gangnam Style	String	
Album	Psy 6 (Six Rules), Part 1	String	Remove
Year	2011	Number	Remove
LengthSeconds	219	Number	Remove

Cancel Create item

# Music

☒ Autopreview

[View table details](#)

## ► Scan or query items

Expand to query or scan items.

✓ Completed. Read capacity units consumed: 0.5



## Items returned (3)



Actions ▼

Create item

< 1 > ⚙️

<input type="checkbox"/>	Artist ▼	Song ▼	Album ▼	Genre ▼	LengthSeconds
<input type="checkbox"/>	<a href="#">Pink Floyd</a>	Money	The Dark Si...		
<input type="checkbox"/>	<a href="#">John Lennon</a>	Imagine	Imagine	Soft rock	
<input type="checkbox"/>	<a href="#">Psy</a>	Gangnam Style	Psy 6 (Six R...		219

## 3.Modify an existing item:

DynamoDB > Items: Music > Edit item

## Edit item

Form

JSON view


You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Attributes				Add new attribute ▼	
<input type="checkbox"/> Attribute name	Value	Type			
Artist - Partition key	<input type="text" value="Psy"/>	String			
Song - Sort key	<input type="text" value="Gangnam Style"/>	String			
<input type="text" value="Album"/>	<input type="text" value="Psy 6 (Six Rules), Part 1"/>	String	<input type="button" value="Remove"/>		
<input type="text" value="LengthSeconds"/>	<input type="text" value="219"/>	Number	<input type="button" value="Remove"/>		
<input type="text" value="Year"/>	<input type="text" value="2014"/>	Number	<input type="button" value="Remove"/>		

Cancel

#### 4. Query the table

## Music

 Autopreview

View table details

▼ 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)



Actions ▼

Create item

< 1 >


 

<input type="checkbox"/>	Artist ▼	Song ▼	Album ▼	LengthSeconds ▼	Year
<input type="checkbox"/>	Psy	Gangnam Style	Psy 6 (Six R...	219	2012


## 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.

confirm

Cancel Delete

## End of lab:

← Introduction to Amazon DynamoDB

End Lab 00:44:52

**Caution:** When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked. [Learn more.](#)

Open Console

### End lab

Follow these steps to close the console, end your lab, and evaluate your lab experience.

41. Return to the **AWS Management Console**.
42. At the upper-right corner of the page, choose `awsstudent@<AccountNumber>`, and then choose **Sign out**.
43. Choose End Lab
44. Choose Submit.
45. (Optional):