

Module-6: Database Services Assignment - 3

You have been asked to:

1. Create a DynamoDB table with a partition key as ID
 2. Add 3 items to the DynamoDB table
 3. Take a back up and delete the table
-

https://us-east-1.console.aws.amazon.com/dynamodbv2/home?region=us-east-1#service

N. Virginia VAIBHAV VERMA

DynamoDB

- Dashboard
- Tables
- Update settings
- Explore items
- PartiQL editor New
- Backups
- Exports to S3
- Imports from S3 New
- Reserved capacity
- Settings New

Database

Amazon DynamoDB

A fast and flexible NoSQL database service for any scale

DynamoDB is a fully managed, key-value, and document database that delivers single-digit-millisecond performance at any scale.

[Create table](#)

How it works



[Copy link](#)

[YouTube](#)

Get started

Create a new table to start exploring DynamoDB.

[Create table](#)

Pricing

DynamoDB charges for reading, writing, and storing data in your DynamoDB tables, along with any optional features you choose to enable. DynamoDB has on-demand capacity mode and provisioned capacity mode, and these modes have pricing for processing reads and writes on your tables.

[Learn more about pricing](#)

Documentation

[What is Amazon DynamoDB?](#)

[Getting started with Amazon DynamoDB](#)



Create table

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.

Table settings

Default settings

The fastest way to create your table. You can modify these settings now or after your table has been created.

Customize settings

Use these advanced features to make DynamoDB work better for your needs.



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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
Capacity mode	Provisioned	Yes
Read capacity	5 RCU	Yes
Write capacity	5 WCU	Yes
Auto scaling	On	Yes
Local secondary indexes	-	No
Global secondary indexes	-	Yes
Encryption key management	Owned by Amazon DynamoDB	Yes
Table class	DynamoDB Standard	Yes

Tags

Tags are pairs of keys and optional values, that you can assign to AWS resources. You can use tags to control access to your resources or track your AWS spending.



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No tags are associated with the resource.

Add new tag

You can add 50 more tags.

Cancel

Create table

⌚ The vaibhav_table table was created successfully.

DynamoDB > Tables

Tables (1) Info



Actions ▾

Delete

Create table

< 1 > ⌂

Find tables by table name

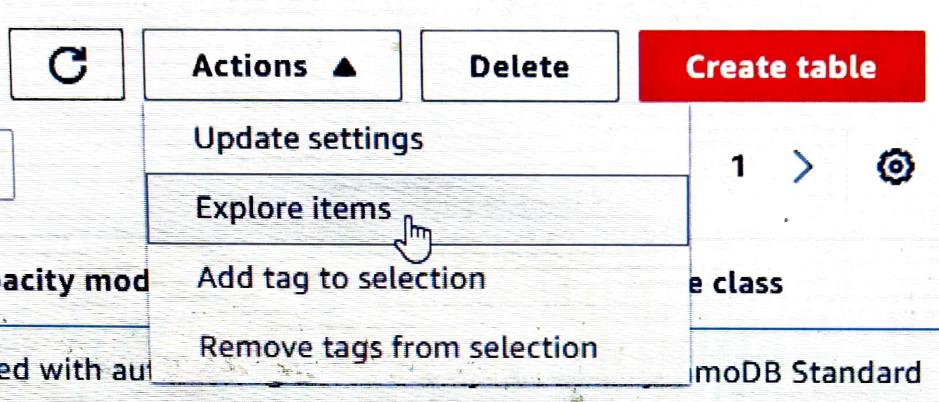
Any table tag ▾

Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Size	Table class
vaibhav_table	Active	userid (N)		0	Provisioned with auto scaling (5)	Provisioned with auto scaling (5)	0 bytes	DynamoDB Standard



N. Virginia ▾

VAIBHAV VERMA ▾



vaibhav_table

 Autopreview[View table details](#)

▶ Scan/Query items

Expand to query or scan items.

✓ Completed | Read capacity units consumed: 0.5

Items returned (0)

[Actions ▾](#)[Create item](#)

◀ 1 ▶ ⚙ ✎

No items

No items to display.

[Create 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
userid - Partition key	1	Number

[Cancel](#)[Create item](#)



Services



Search Services Features Integrations and more



DynamoDB > Items: vaibhav_table > Edit item

Edit 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

Attribute name	Value	Type
userid - Partition key	1	New Num

- [Add new attribute ▲](#)
- String
- Number
- Boolean
- Binary
- Null
- String set
- Number set
- Binary set
- List
- Map

vaibhav_table

 Autopreview[View table details](#)

▶ Scan/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"/>	userid	▲ Age	▼ Name	▼ Skill	▼
<input type="checkbox"/>	1	25	Vaibhav	AWS	
<input type="checkbox"/>	2	26	Vivek	Linux	
<input type="checkbox"/>	3	24	Vishal	Python	



Services



Search for services, features, blogs, docs, and more

DynamoDB



DynamoDB > Items > vaibhav_table

Dashboard

Tables

Update settings

Explore items

PartiQL editor [New](#)

Backups



Exports to S3

Imports from S3 [New](#)

Reserved capacity

Settings [New](#)

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

Tables (1)



Any table tag

Find tables by table name

< 1 >



vaibhav_table

Backups Info

Backup settings - new Info

Settings apply to new backups in this account and Region.

[Disable](#)

Advanced features with AWS Backup

Enabled

Allow options for cross-Region and cross-account copy, cost allocation tags, and cold storage tiering for backups.

Backups (0) Info

Schedule automatic backups and view backup job details in AWS Backup 

 Find backups by ARN or name

[View details](#)[Restore](#)[Copy](#)[Delete](#)[Create backup](#) ▾

 Name	Table	Status	Creation time	ARN	Size	Type	⋮
--	-------	--------	---------------	-----	------	------	---

No backups

Create a backup to save your data.

[Create backup](#)

DynamoDB > Backups > Create on-demand backup

Create on-demand backup

Create a one-time snapshot backup of your table. Schedule automatic backups of your table in AWS Backup [\[\]](#)

Source table [Info](#)

Source table

vaibhav_table

X



Backup settings [Info](#)

A backup name will be created automatically.

Default settings

Create a backup that stays in warm storage.

Customize settings

Create a backup that can transition to cold storage and be deleted as it ages.

Backup window

Start in 1 hour

Backup management

AWS Backup

Transition to cold storage

Never

Retention period

Always

Backup vault

Default

IAM Role

AWSBackupDefaultServiceRole

Tags - optional

AWS Backup copies tags from the DynamoDB table to the recovery point upon creation. You can specify additional tags to add to the recovery point.



Services



Source table

Q vaibhav_table X C

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[Add new tag](#)

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Cancel

[Create backup](#)

Backups Info

Backup settings - new Info

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[Disable](#)

Advanced features with AWS Backup

Enabled

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Backups (1/1) Info

Schedule automatic backups and [view backup job details](#) in AWS Backup 

[!\[\]\(aaf00827f03a5235835203c37180dc74_img.jpg\)](#) [View details](#) [Restore](#) [Copy](#) [Delete](#) [Create backup ▾](#)

<input checked="" type="checkbox"/>	Name	Table	Status	Creation time	ARN	Size	Type
<input checked="" type="checkbox"/>	19387062-a85f-47b4-...	vaibhav_table	<input checked="" type="checkbox"/> Available	October 12, 2022, 24...	 arn:aws:backup:us-east-	0 bytes	AWS_BACKUP



Backup: 19387062-a85f-47b4-9cb2-2dfec4230d97 [Info](#)

Restore a backup of your DynamoDB table. Backups can not be deleted from DynamoDB. To delete a backup, go to the backup vault in AWS Backup.

[Copy in AWS Backup](#)[Delete in AWS Backup](#)[Restore](#)

Backup details [Info](#)

Backup ID

19387062-a85f-47b4-9cb2-2dfec4230d97

Table name

vaibhav_table

Backup status

Available

Backup ARN

arn:aws:backup:us-east-1:111952067877:recovery-point:19387062-a85f-47b4-9cb2-2dfec4230d97

Creation time

October 12, 2022, 24:07:54 (UTC+05:30)

Storage tier

Warm

Backup management[AWS Backup](#)

Backup job summary [Info](#)

Backup type

On-demand

Backup vault[Default](#)**Backup plan****Expiration**

Never

Move to cold storage date

Never

IAM Role[AWSBackupDefaultServiceRole](#)

Backup tags (0) [Info](#)

[Manage tags](#)

DynamoDB



DynamoDB > Tables



Dashboard

Tables

Update settings

Explore items

PartiQL editor New

Backups

Exports to S3

Imports from S3 New

Reserved capacity

Settings New

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

Tables (1) Info

Actions ▾

Delete

Create table

Find tables by table name

Any table tag

< 1 >



<input checked="" type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Size	Table class
<input checked="" type="checkbox"/>	vaibhav_table	<input checked="" type="radio"/> Active	userid (N)	-	0	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	0 bytes	DynamoDB Standard

Delete table

- vaibhav_table
- Delete all CloudWatch alarms for this table.
- Create a backup of this table before deleting it.
If you do not select this check box, you will not be able to restore data being deleted.

To confirm the deletion of this table, type **delete** in the box.

delete

Cancel

Delete table



✓ The request to delete the "vaibhav_table" table has been submitted successfully.

DynamoDB > Tables

Tables (0) Info



Actions ▾

Delete

Create table

Find tables by table name

Any table tag

< 1 >

<input type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Size	Table class
--------------------------	------	--------	---------------	----------	---------	--------------------	---------------------	------	-------------

No tables found

We cannot find a match.

Clear filter