

Demonstrate Dynamo DB Partition Key,Sorted Key

Create a new dynamo db table and specify partition key and sort-key

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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.

myjulydynamo

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.

Emp_id

Number

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.

UID

Number

1 to 255 characters and case sensitive.

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DynamoDB

Dashboard

Tables

Update settings

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Reserved capacity

Settings

DAX

Clusters

Subnet groups

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Events

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

DynamoDB > Tables

Tables (1/1) [Info](#)

Actions

Delete

Create table

Find tables by table name

Any tag key

Any tag value

< 1 >

<input checked="" type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Deletion protection	Read capacity mode
<input checked="" type="checkbox"/>	myjulydynamo	Active	Emp_id (N)	UID (N)	0	Off	Provisioned with auto scal

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The screenshot shows the AWS Management Console for the 'myjulydynamo' table. The left sidebar contains navigation options like Dashboard, Tables, Update settings, Explore items, PartiQL editor, Backups, Exports to S3, Imports from S3, Reserved capacity, Settings, DAX, Clusters, Subnet groups, Parameter groups, and Events. The main content area shows the 'myjulydynamo' table details. A 'Scan or query items' section is visible, with a notification indicating a successful scan: 'Completed. Read capacity units consumed: 0.5'. Below this, the 'Items returned (2)' are displayed in a table:

Emp_id	UID	BranchNa...	Project
1	1	BTM	
2	2	Developm	

What is RCU and WCU?

In Amazon DynamoDB, RCU and WCU refer to the capacity units used for read and write operations, respectively. RCU stands for Read Capacity Units, and WCU stands for Write Capacity Units.

RCUs represent the number of read operations per second that a table can handle. Each read operation on an item within 4 KB in size consumes one RCU. If the item is larger than 4 KB, additional RCUs are consumed.

WCUs represent the number of write operations per second that a table can handle. Each write operation on an item within 1 KB in size consumes one WCU. Like with read operations, larger items require additional WCUs.