DynamoDB Backup & Restore

A Comprehensive Step-by-Step Technical Guide for Ensuring Data

Durability and Disaster Recovery in the Cloud.
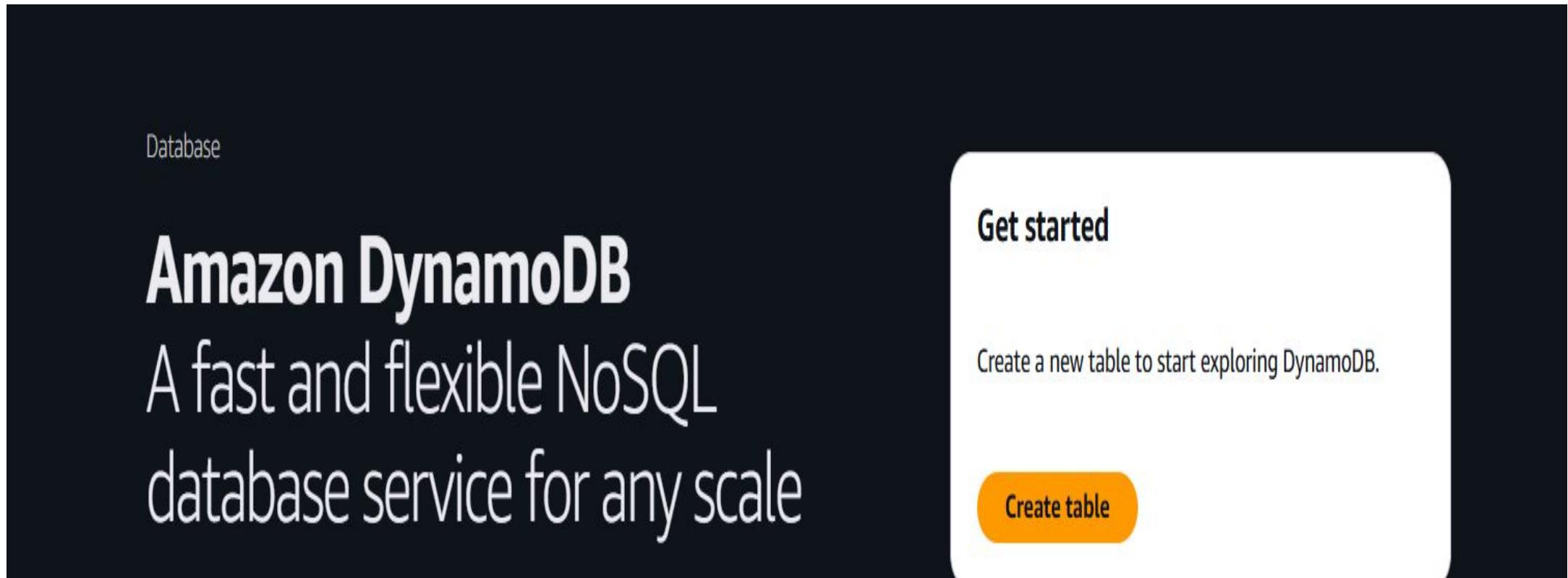
01. Overview

Establishing the foundations of serverless database management and the critical need for robust backup strategies.

NAVIGATE TO AWS DYNAMODB

To begin, log into your AWS Management Console. Use the search bar or the services menu to locate **DynamoDB** under the 'Database' category.

CREATE YOUR DYNAMODB TABLE

Define your table structure by specifying a unique

Table Name and a Partition Key. DynamoDB is

schema-less, allowing you to add attributes later.

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.

```
EmployeeID
```

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.

```
orderID                                    String          ▼
```

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.

```
Enter the sort key name                    String          ▼
```

1 to 255 characters and case sensitive.

EXPLORE TABLE ITEMS

Tables (1)

Filter by tag
Any tag key ▼

Filter by tag value
Any tag value ▼

🔍 Find tables

< 1 > ⚙️

● EmployeeID ☆

EmployeeID

Last updated
February 5, 2026, 22:25 (UTC+5:30) 🔄 ⭐ Actions ▼ **Explore table items**

Settings | Indexes | Monitor | Global tables | Backups | Exports and streams | Permissions

ⓘ **Protect your DynamoDB table from accidental writes and deletes**   Edit PITR ✕
When you turn on point-in-time recovery (PITR), DynamoDB backs up your table data automatically so that you can restore to any given second in the preceding 1 to 35 days. Additional charges apply. Learn more ↗

General information Info   Get live item count

Partition key
orderID (String)

Sort key
-

Capacity mode
On-demand

Table status
✓ Active

Alarms
✓ No active alarms

**Point-in-time recovery
(PITR)** Info
⊖ Off

Item count
0

Table size
0 bytes

Average item size
0 bytes

Resource-based policy Info
⊖ Not active

Amazon Resource Name (ARN)
📋 arn:aws:dynamodb:ap-south-1:577012216661:table/EmployeeID

POPULATING DATA ITEMS

✓ The item has been saved successfully. ✕

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	Remove
orderID - *Partition key*	103	String	
Name	Ragav	String	Remove
Department	Sales	String	Remove

[Cancel]   [Create item]

INITIATE ON-DEMAND BACKUP

On-demand backups provide a point-in-time snapshot of your

table for long-term retention and archival.

Backup settings Info

Turn off

Settings apply to new backups in this account and Region.

Advanced features with AWS Backup
⊘ Activated

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

Backups (0) Info

Last updated
February 5, 2026, 22:32 (UTC+5:30) ↻ View details   Restore   Copy   Delete   **Create backup** ▼

Schedule automatic backups ↗ and view backup job details ↗ in AWS Backup ↗

🔍 Find backups by ARN or name   ‹ 1 › ⚙

☐	Name ▽	Table ▽	Status ▽	Creation time ▼	ARN ▽	Size ▽	Type

No backups

Create a backup to save your data.

Create backup

BACKUP STRATEGY BENEFITS

Backups (1) Info

Last updated
February 5, 2026, 22:34 (UTC+5:30)

View details | Restore | Copy | Delete | **Create backup ▼**

Schedule automatic backups ↗ and view backup job details ↗ in AWS Backup ↗

🔍 Find backups by ARN or name

‹ 1 › ⚙️

☐	Name ▽	Table ▽	Status ▽	Creation time ▼	ARN ▽	Size
☐	SubhajitID	EmployeeID	⊘ Available	February 5, 2026, 22:35:59 (UTC+05:30)	🗗 arn:aws:dynamodb:ap-sor	0

SIMULATE DISASTER: DELETE TABLE

LOCATE AND RESTORE BACKUPS

VERIFICATION OF RESTORED DATA

✓ The request to restore the SubID table from the SubhajitID backup has been submitted successfully.   X

Tables (1) Info

Last updated
February 5, 2026, 22:44 (UTC+5:30)   ⟳   Actions ▼   Delete   **Create table** ▼

Q Find tables

Filter by tag
Any tag key ▼

Filter by tag value
Any tag value ▼

⟨ 1 ⟩   ⚙

☐	Name ▲	Status ▽	Partition key ▽	Sort key ▽	Indexes ▽	Replication Regions ▽	Deletion protection ▽	Favorite ▽	Read capacity n
☐	SubID	⊙ Creating	orderID (S)	-	0	0	⊖ Off	☆	On-demand