

Creating a table and loading data in Amazon DynamoDB

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Overview

In this lab, you will create a simple table in DynamoDB to store information about the employees of a company, including their names, roles and number of years spent in this specific organization.

Topics covered

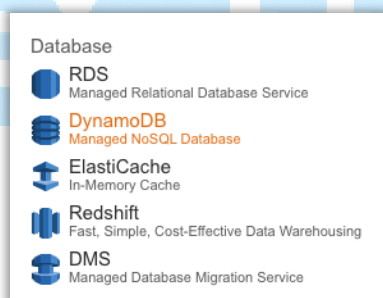
This lab will cover:

- Creating a DynamoDB table
- Loading data in a DynamoDB table

Creating a new table

In this procedure, you will create a new table named [CompanyEmployeeList](#).

1. In the AWS Management Console, click [DynamoDB](#) located within [Database](#) section.



2. Click [Create Table](#).



3. In the [Table Name](#) box, type [CompanyEmployeeList](#).
4. For [Primary Key](#), type [EmployeeName](#) and select [String](#).

5. Click **Add Sort Key** and in the new field type **Role** and leave **String** selected.
6. In the **Table Settings** page, leave **Use default settings** selected and click **Create**.

Create DynamoDB table

DynamoDB is a schema-less database that only requires a table name and primary key. The table's primary key is made up of one or two attributes that uniquely identify items, partition the data, and sort data within each partition.

Table name*

Primary key* Partition key

☒ **Add sort key**

Table settings

Default settings provide the fastest way to get started with your table. You can modify these default settings now or after your table has been created.

☒ **Use default settings**

- No secondary indexes.
- Provisioned capacity set to 5 reads and 5 writes.
- Basic alarms with 80% upper threshold using SNS topic "dynamodb".

Additional charges may apply if you exceed the AWS Free Tier levels for CloudWatch or Simple Notification Service. Advanced alarm settings are available in the CloudWatch management console.

Cancel Create

Adding and Modifying Table Data

In this procedure, you will add data to the CompanyEmployeeList table.

7. With the CompanyEmployeeList table selected, click the **Items** tab.

Create table **Actions**

Filter by table name

Name

☒ CompanyEmployeeList

CompanyEmployeeList **Close**

Overview **Items** **Metrics** **Alarms**

Create item **Actions**

Scan: [Table] CompanyEmployeeList: Employee

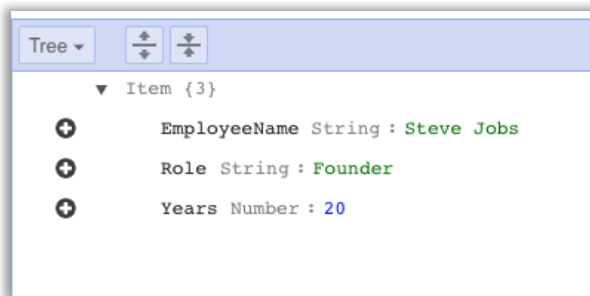
Scan [Table] CompanyEmployeeList: En

Add filter

Start search

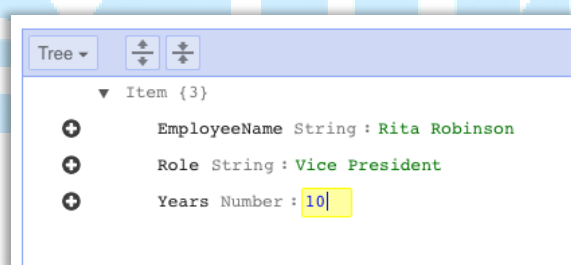
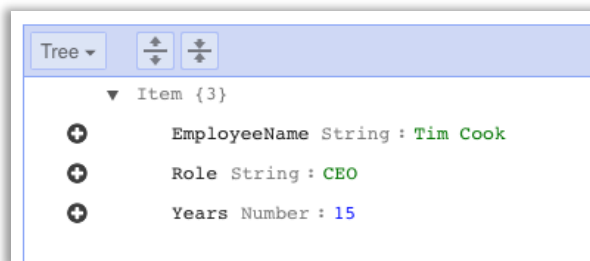
8. Click **Create Item**.
9. Type in the string values for **EmployeeName** and **Role** attributes.
10. Create an additional attribute: click the plus sign to the left of the last attribute and then click **Append**.
11. In the drop-down list select the **Number** type and a new attribute row will be added.
12. In the **Field** box, enter **Years**.

13. In the **Value** box, enter number of years.



14. Click **Save** to store the new item with its three attributes.

15. Now create two more items, repeating the steps above, starting with **Create Item**, and editing/adding the attributes as per following screenshots.



16. **Conclusion:** Congratulations! You have now successfully:

- Created an Amazon DynamoDB table.
- Loaded data into an Amazon DynamoDB table.