

Amazon Workflow

1 Navigate to [us-east-1.console.aws.amazon.com/dynamodbv2/hom...](https://us-east-1.console.aws.amazon.com/dynamodbv2/home...)

2 Check yahoo finance data (python) and you can change the indices according to your need.

3 Click "Create table"

The screenshot shows the AWS DynamoDB console interface. At the top, there's a navigation bar with the AWS logo, 'Services' menu, a search bar, and a region dropdown set to 'N. Virginia'. Below the navigation bar is a blue banner with a feedback survey. The main content area is titled 'DynamoDB > Tables'. It features a 'Tables (3)' header with an 'Info' link, a search bar, and a 'Create Table' button highlighted with an orange circle. Below this is a table listing three existing tables: 'logfile', 'logfile_archive', and 'stock_info'. Each table entry includes a checkbox, name, status (Active), partition key, sort key, number of indexes, read/write capacity modes, size, and table type (DynamoDB).

	Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Size	Table
<input type="checkbox"/>	logfile	Active	PK (S)	-	1	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	148.4 kilobytes	Dyna
<input type="checkbox"/>	logfile_archive	Active	PK (S)	-	1	Provisioned (5)	Provisioned (5)	154.8 kilobytes	Dyna
<input type="checkbox"/>	stock_info	Active	symbol (S)	-	2	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	13.6 kilobytes	Dyna

4 Click the "Table name" field.

The screenshot shows the AWS Management Console interface for creating a new Amazon DynamoDB table. The breadcrumb navigation at the top indicates the path: **DynamoDB** > **Tables** > **Create table**. A blue banner at the top contains a feedback survey link. The main heading is **Create table**. Below it, the **Table details** section provides information about DynamoDB and the required fields. The **Table name** field is highlighted with an orange circle and contains the placeholder text "Enter name for table". The **Partition key** section shows a dropdown menu set to "String". The **Sort key - optional** section is also visible.

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.
 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.
 String ▼
1 to 255 characters and case sensitive.

5 Type "stock_porj"

6 Click the "Partition key" field.

The screenshot shows the same AWS Management Console interface, but now the **Table name** field contains the text "stock_porj". The **Partition key** field is highlighted with an orange circle and contains the placeholder text "Enter the partition key name". The **Sort key - optional** section is also visible.

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.

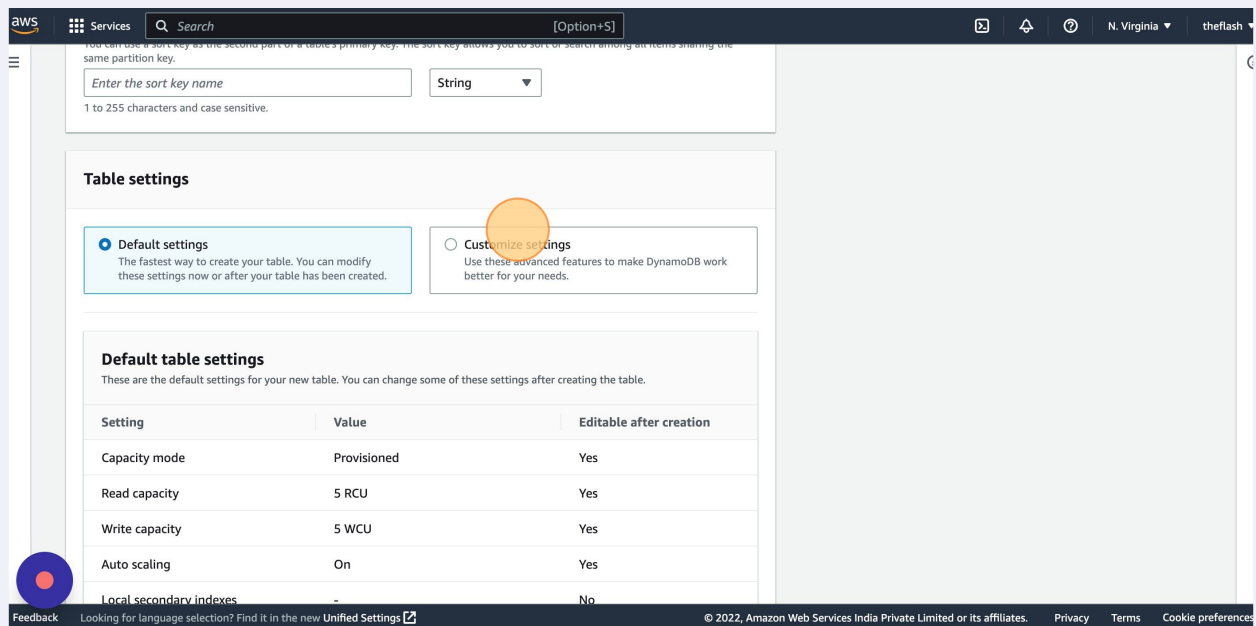
Between 3 and 255 characters, containing only letters, numbers, underscores (_), hyphens (-), and periods (.).

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.
 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.
 String ▼
1 to 255 characters and case sensitive.

7

Click here.



Enter the sort key name String

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.

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

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8

Click "Default settings"

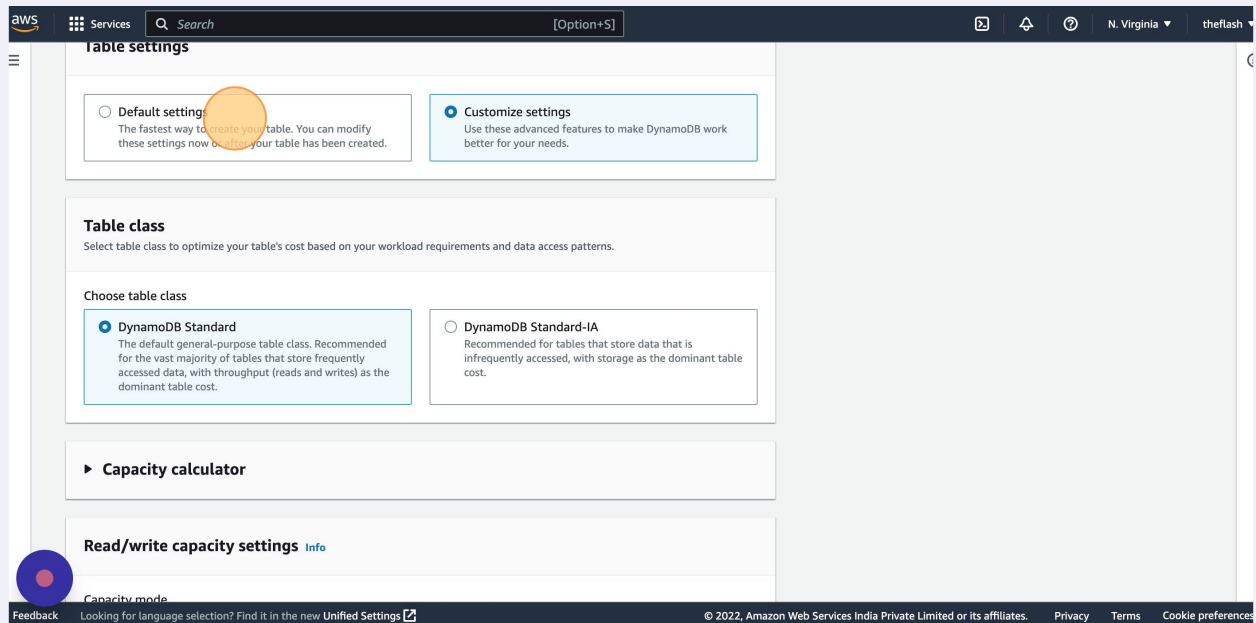


Table settings

☐ **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.

Table class

Select table class to optimize your table's cost based on your workload requirements and data access patterns.

Choose table class

☒ **DynamoDB Standard**
The default general-purpose table class. Recommended for the vast majority of tables that store frequently accessed data, with throughput (reads and writes) as the dominant table cost.

☐ **DynamoDB Standard-IA**
Recommended for tables that store data that is infrequently accessed, with storage as the dominant table cost.

► **Capacity calculator**

Read/write capacity settings [Info](#)

Capacity mode

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9 Click "Create global index"

The screenshot shows the AWS IAM console interface for a DynamoDB table. The 'Secondary indexes' section is visible, with the 'Create global index' button highlighted by an orange circle. The interface includes a sidebar with 'Auto scaling' and 'Secondary indexes' sections. The 'Auto scaling' section has a toggle for 'On' and 'Off', and input fields for 'Minimum capacity units' (1), 'Maximum capacity units' (10), and 'Target utilization (%)' (70). The 'Secondary indexes' section has a table with columns: Name, Type, Partition key, Sort key, and Projected attributes. Below the table, there is a 'No indexes' message and a 'Create global index' button. The 'Estimated read/write capacity cost' section is also visible at the bottom.

10 Double-click the "Partition key" field.

The screenshot shows the 'New global secondary index' dialog box in the AWS IAM console. The 'Partition key' field is highlighted with an orange circle. The dialog box contains the following fields and options:

- Partition key:** A text input field with a placeholder 'Enter the partition key name' and a data type dropdown set to 'String'.
- Sort key - optional:** A text input field with a placeholder 'Enter the sort key name' and a data type dropdown set to 'String'.
- Index name:** A text input field with a placeholder 'Type the index name'.
- Attribute projections:** A section with three radio button options: 'All' (selected), 'Only keys', and 'Include'.
- By default:** A note stating 'By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table.'

11 Double-click the "Sort key - optional" field.

The screenshot shows the AWS IAM console interface. In the background, the 'Secondary indexes' section is visible, showing a table with columns 'Name' and 'Type'. The 'Estimated read/write capacity' section is also visible at the bottom. The foreground shows the 'New global secondary index' dialog box. The dialog has a title bar with a close button. Below the title bar, there is a description: 'Create global secondary indexes to query attributes outside the primary key of your original table. [Learn more](#)'. The dialog contains several fields and options:

- Partition key:** A text input field containing 'industry'. Below it, the text '1 to 255 characters.' is displayed.
- Data type:** A dropdown menu showing 'String'.
- Sort key - optional:** A text input field containing 'Enter the sort key name'. This field is highlighted with a blue border and an orange circle. Below it, the text '1 to 255 characters.' is displayed.
- Data type:** A dropdown menu showing 'String'.
- Index name:** A text input field containing 'industry-index'. Below it, the text 'Between 3 and 255 characters. Only A-Z, a-z, 0-9, underscore characters, hyphens, and periods allowed.' is displayed.
- Attribute projections:** A section with a description: 'A projection is the set of attributes that is copied from a table into a secondary index.' It contains three radio button options:
 - ☒ **All**: All of the table attributes are projected into the index.
 - ☐ **Only keys**: Only the index and primary keys are projected into the index.
 - ☐ **Include**: All attributes described in "Only keys" and other non-key attributes that you specify.

12 Type "longName"

13 Click "Create index"

The screenshot shows the 'Create index' dialog in the AWS DynamoDB console. The dialog is for creating a secondary index on a table. The 'Partition key' is 'industry' with a 'Data type' of 'String'. The 'Sort key - optional' is 'longName' with a 'Data type' of 'String'. The 'Index name' is 'industry-longName-index'. The 'Attribute projections' section has three options: 'All' (selected), 'Only keys', and 'Include'. A note states: 'By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table.' The 'Create index' button is highlighted with an orange circle.

Partition key: industry (Data type: String)

Sort key - optional: longName (Data type: String)

Index name: industry-longName-index

Attribute projections: ☒ All, ☐ Only keys, ☐ Include

By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table.

Cancel Create index

14 Click "Create global index"

The screenshot shows the 'Secondary indexes' section in the AWS DynamoDB console. The 'Create global index' button is highlighted with an orange circle. Below the button is a table listing the existing secondary index: 'industry-longName-index' with a 'Global' type, 'industry (String)' as the 'Partition key', 'longName (String)' as the 'Sort key', and 'All' as the 'Projected attributes'.

Secondary indexes: Delete Create local index Create global index

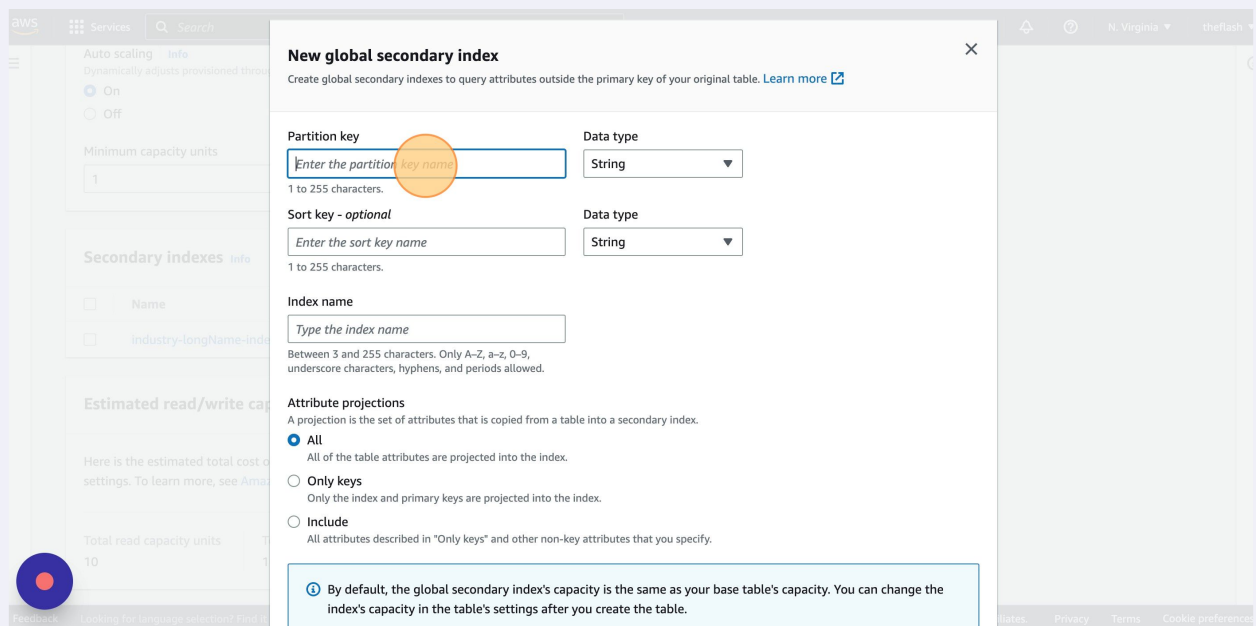
	Name	Type	Partition key	Sort key	Projected attributes
<input type="checkbox"/>	industry-longName-index	Global	industry (String)	longName (String)	All

Estimated read/write capacity cost

Here is the estimated total cost of provisioned read and write capacity for your table and indexes, based on your current settings. To learn more, see [Amazon DynamoDB pricing](#) for provisioned capacity.

Total read capacity units	Total write capacity units	Region	Estimated cost
10	10	us-east-1	US\$5.81 / month

15 Click the "Partition key" field.



New global secondary index

Create global secondary indexes to query attributes outside the primary key of your original table. [Learn more](#)

Partition key Enter the partition key name String

1 to 255 characters.

Sort key - optional Enter the sort key name String

1 to 255 characters.

Index name Type the index name

Between 3 and 255 characters. Only A-Z, a-z, 0-9, underscore characters, hyphens, and periods allowed.

Attribute projections

A projection is the set of attributes that is copied from a table into a secondary index.

☒ **All**
All of the table attributes are projected into the index.

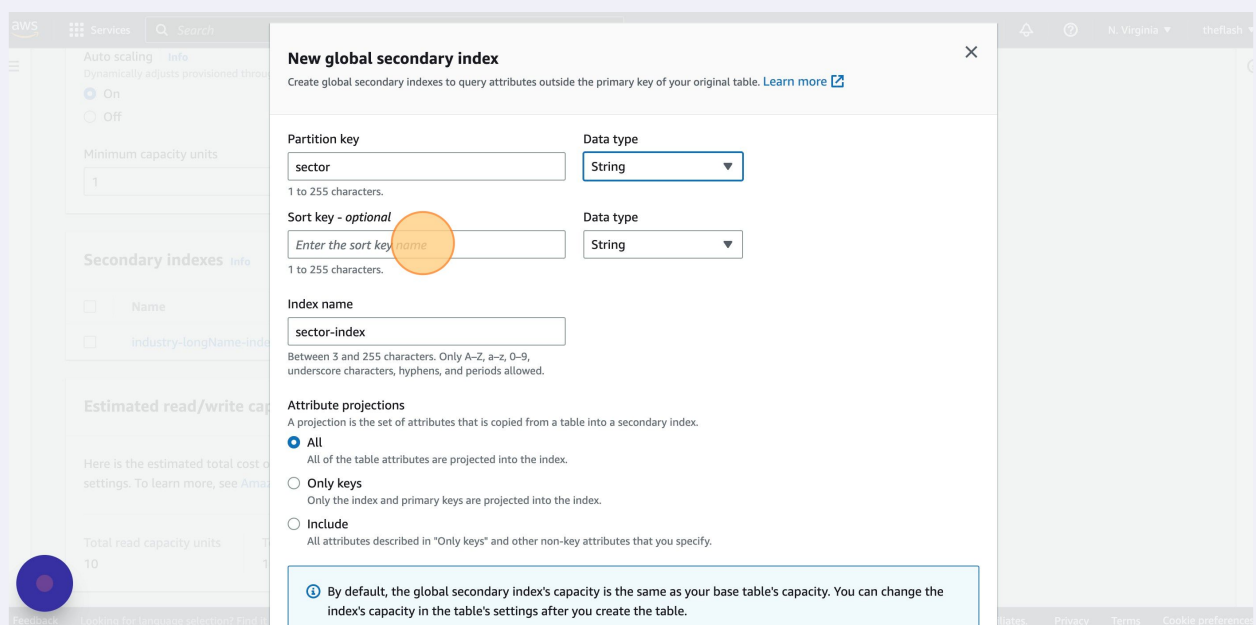
☐ **Only keys**
Only the index and primary keys are projected into the index.

☐ **Include**
All attributes described in "Only keys" and other non-key attributes that you specify.

By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table.

16 Type "sector"

17 Click the "Sort key - optional" field.



New global secondary index

Create global secondary indexes to query attributes outside the primary key of your original table. [Learn more](#)

Partition key sector String

1 to 255 characters.

Sort key - optional Enter the sort key name String

1 to 255 characters.

Index name sector-index

Between 3 and 255 characters. Only A-Z, a-z, 0-9, underscore characters, hyphens, and periods allowed.

Attribute projections

A projection is the set of attributes that is copied from a table into a secondary index.

☒ **All**
All of the table attributes are projected into the index.

☐ **Only keys**
Only the index and primary keys are projected into the index.

☐ **Include**
All attributes described in "Only keys" and other non-key attributes that you specify.

By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table.

18 Type "symbol"

19 Click "Create index"

The screenshot shows the AWS IAM console interface for creating a secondary index. The main form is titled "Create index" and contains the following fields and options:

- Partition key:** A text input field containing "sector". Below it, a note states "1 to 255 characters."
- Data type:** A dropdown menu set to "String".
- Sort key - optional:** A text input field containing "symbol". Below it, a note states "1 to 255 characters."
- Data type:** A dropdown menu set to "String".
- Index name:** A text input field containing "sector-symbol-index". Below it, a note states "Between 3 and 255 characters. Only A-Z, a-z, 0-9, underscore characters, hyphens, and periods allowed."
- Attribute projections:** A section with a description: "A projection is the set of attributes that is copied from a table into a secondary index." It includes three radio button options:
 - ☒ **All**: All of the table attributes are projected into the index.
 - ☐ **Only keys**: Only the index and primary keys are projected into the index.
 - ☐ **Include**: All attributes described in "Only keys" and other non-key attributes that you specify.

At the bottom of the form, there is a blue box with a circular icon and the text: "By default, the global secondary index's capacity is the same as your base table's capacity. You can change the index's capacity in the table's settings after you create the table." Below this box are two buttons: "Cancel" and "Create index". The "Create index" button is highlighted with a red circle.

20 Click "Create table"

Encryption key management

- ☒ **Owned by Amazon DynamoDB** [Learn more](#)
The AWS KMS key is owned and managed by DynamoDB. You are not charged an additional fee for using this key.
- ☐ **AWS managed key** [Learn more](#)
Key alias: aws/dynamodb. The key is stored in your account and is managed by AWS Key Management Service (AWS KMS). AWS KMS charges apply.
- ☐ **Stored in your account, and owned and managed by you** [Learn more](#)
The key is stored in your account and is owned and managed by you. AWS KMS charges apply.

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.

No tags are associated with the resource.

[Add new tag](#)

You can add 50 more tags.

[Cancel](#) [Create table](#)

21 Click "stock_porj"

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](#)

The stock_porj table was created successfully.

DynamoDB > Tables

Tables (4) [Info](#)

[Find tables by table name](#) [Any table tag](#) [Actions](#) [Delete](#) [Create table](#)

	Name	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity mode	Size	Table
<input type="checkbox"/>	logfile	Active	PK (S)	-	1	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	148.4 kilobytes	Dyna
<input type="checkbox"/>	logfile_archive	Active	PK (S)	-	1	Provisioned (5)	Provisioned (5)	154.8 kilobytes	Dyna
<input type="checkbox"/>	stock_info	Active	symbol (S)	-	2	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	13.6 kilobytes	Dyna
<input type="checkbox"/>	stock_porj	Active	symbol (S)	-	2	Provisioned with auto scaling (1)	Provisioned with auto scaling (1)	0 bytes	Dyna

22 Click here.

The screenshot shows the AWS Management Console interface for the 'stock_porj' table. The left sidebar lists four tables: logfile, logfile_archive, stock_info, and stock_porj. The 'stock_porj' table is selected. The main content area shows the 'Overview' tab for 'stock_porj'. The 'General information' section displays the Partition key symbol (String), Sort key (-), Capacity mode (Provisioned), and Table status (Active, No active alarms). The 'Items summary' section shows the Item count (0), Table size (0 bytes), and Average item size (0 bytes). The 'Table capacity metrics' section is also visible. The 'Indexes' tab is highlighted with an orange circle.

23 Click "Indexes"

The screenshot shows the AWS Management Console interface for the 'stock_porj' table. The left sidebar lists four tables: logfile, logfile_archive, stock_info, and stock_porj. The 'stock_porj' table is selected. The main content area shows the 'Indexes' tab for 'stock_porj'. The 'General information' section displays the Partition key symbol (String), Sort key (-), Capacity mode (Provisioned), and Table status (Active, No active alarms). The 'Additional info' section displays the Table class (DynamoDB Standard), Indexes (2 globals, 0 locals), DynamoDB stream (Disabled), Point-in-time recovery (PITR) (Disabled), Time to Live (TTL) (Disabled), Replication Regions (0 Regions), Encryption (Owned by Amazon), and Date created (December 22, 2022, 24:03:30 (UTC+05:30)). The Amazon Resource Name (ARN) is also shown: arn:aws:dynamodb:us-east-1:111617026718:table/stock_porj. The 'Indexes' tab is highlighted with an orange circle.