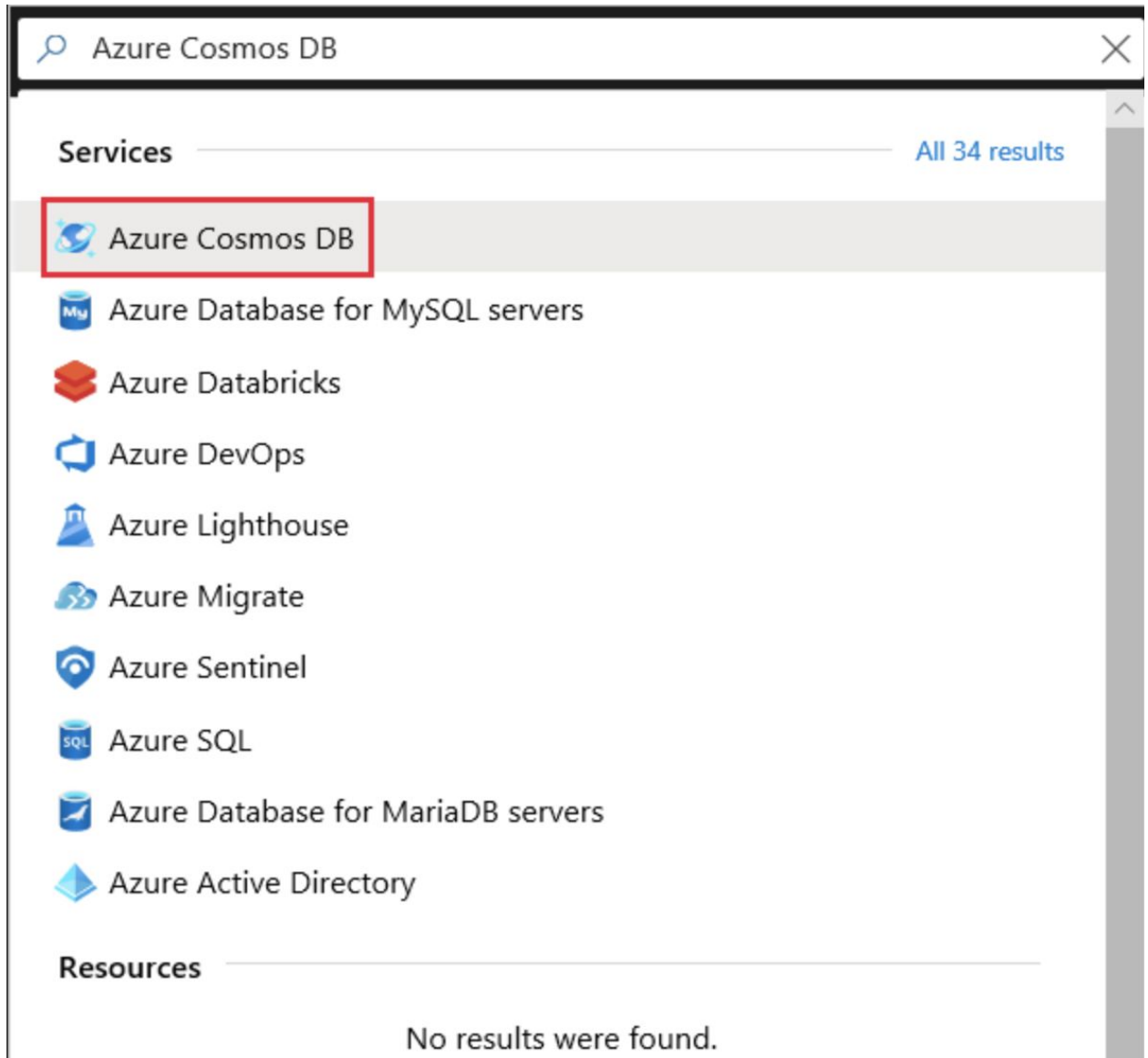


- 1) Create an Azure CosmosDB account: Go to the Azure portal to create an Azure Cosmos DB account. Search for and select Azure Cosmos DB.



Microsoft Azure (Preview)

Search resources, services, and docs (G+/)

Home > New >

Create Azure Cosmos DB Account

X

Basics

Networking

Backup Policy

Encryption

Tags

Review + create

Azure Cosmos DB is a globally distributed, multi-model, fully managed database service. [Try it for free](#), for 30 days with unlimited renewals. Go to production starting at \$24/month per database, multiple containers included. [Learn more](#)

Project Details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

SubscriptionName

Resource Group *

(New) my-resource-group

Create new

Instance Details

Account Name *

Enter account name

API * ⓘ

Core (SQL)

Notebooks (Preview) ⓘ

On

Off

Location *

(US) West US

Capacity mode ⓘ

Provisioned throughput

Serverless (Preview)

Learn more about capacity mode

With Azure Cosmos DB free tier, you will get 400 RU/s and 5 GB of storage for free in an account. You can enable free tier on up to one account per subscription. Estimated \$/month discount per account.

Apply Free Tier Discount

Apply

Do Not Apply

Account Type ⓘ

Production

Non-Production

Geo-Redundancy ⓘ

Enable

Disable

Multi-region Writes ⓘ

Enable

Disable

Review + create

Previous

Next: Networking

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- 2) Add a database and a container: You can use the Data Explorer in the Azure portal to create a database and container.

The screenshot shows the Azure Cosmos DB Data Explorer interface for an account named 'mycosmosdbsqlapi'. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Quick start, Notifications, Data Explorer (highlighted), Settings, and Containers. The main pane displays the 'SQL API' view. A 'New Container' button is visible at the top. On the right, the 'Add Container' dialog is open, showing fields for 'Database id' (set to 'ToDoList'), 'Provision database throughput' (checked, set to 400 RU/s), 'Container id' (set to 'Items'), and 'Partition key' (set to '/category'). The estimated spend is shown as \$0.032 hourly / \$0.77 daily. An 'OK' button is at the bottom right of the dialog.

Home > mycosmosdbsqlapi - Data Explorer

mycosmosdbsqlapi - Data Explorer
Azure Cosmos DB account

Search (Ctrl+/)

New Container

SQL API

Add Container

Start at \$24/mo per database, multiple containers included
[More details](#)

* Database id ⓘ
☐ Create new ☐ Use existing
ToDoList

☒ Provision database throughput ⓘ

* Throughput (400 - 100,000 RU/s) ⓘ
400 - +

Estimated spend (USD): **\$0.032 hourly / \$0.77 daily** (1 region, 400RU/s, \$0.00008/RU)

* Container id ⓘ
Items

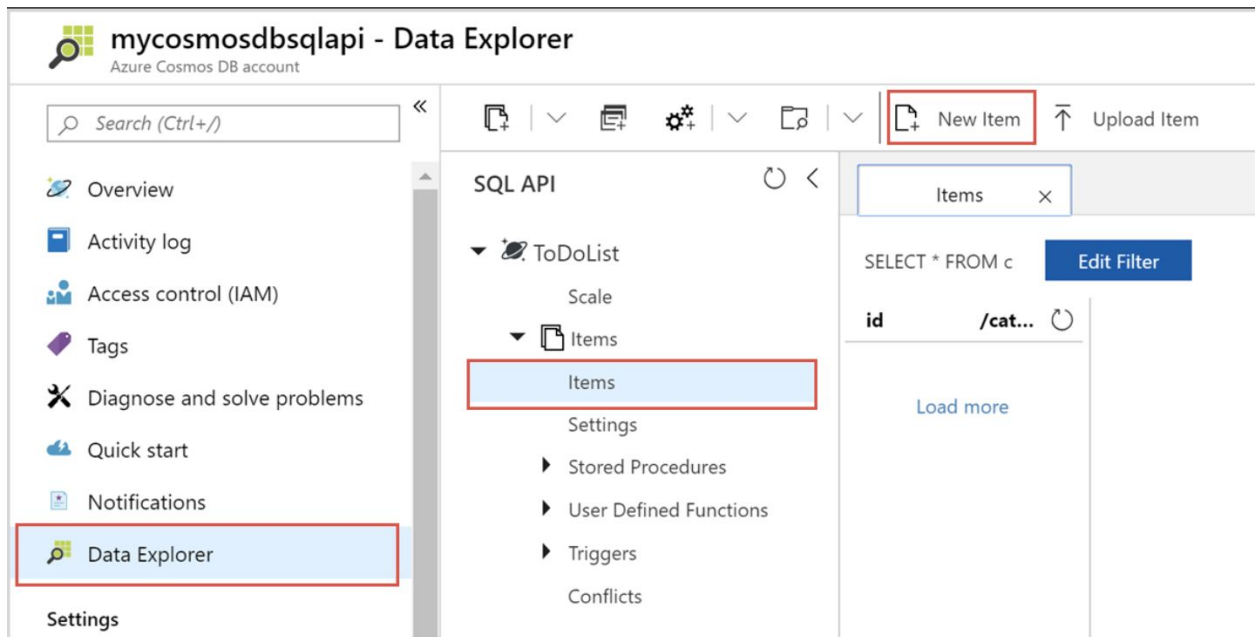
* Partition key ⓘ
/category

☐ My partition key is larger than 100 bytes

Unique keys ⓘ
+ Add unique key

OK

3) Add data to the database



Use the following JSON structure to add the records into the database

```
{
  "item_no": "531",
  "item_name": "iPhone XR(64GB)",
  "price": "48000",
  "purchase_date": "11 March 2019",
  "payment_method": "Credit Card"
}
```

4) Query the data

The screenshot shows a web application interface for querying data. At the top, there is a tab labeled "Items" with a close button. Below the tab, a text input field contains the query "SELECT * FROM c", which is highlighted with a red border. To the right of the input field is a blue button labeled "Edit Filter". Below the query input, there is a table with two columns: "id" and "/category". The table has two rows: the first row has "1" in the "id" column and "personal" in the "/category" column; the second row has "2" in the "id" column and "business" in the "/category" column. Below the table is a "Load more" link. To the right of the table, there is a code editor showing a JSON response. The JSON is as follows:

```
{
  "id": "1",
  "category": "personal",
  "name": "groceries",
  "description": "Pick up apples and strawberries.",
  "isComplete": false,
  "_rid": "W6VFAJH1xhUBAAAAAAAAA==",
  "_self": "dbs/W6VFAA=/colls/W6VFAJH1xhU=/docs/W6VFAJH1xhUBAAAAAAAAA=/",
  "_etag": "\"200048c9-0000-0200-0000-5e6103ad0000\"",
  "_attachments": "attachments/",
  "_ts": 1583416237
}
```