

 100 XP

Exercise: Create Azure Cosmos DB resources by using the Azure portal

10 minutes

In this exercise you'll learn how to perform the following actions in the Azure portal:

- Create an Azure Cosmos DB account
- Add a database and a container
- Add data to your database
- Clean up resources

Prerequisites

- An Azure account with an active subscription. If you don't already have one, you can sign up for a free trial at <https://azure.com/free>.

Create an Azure Cosmos DB account

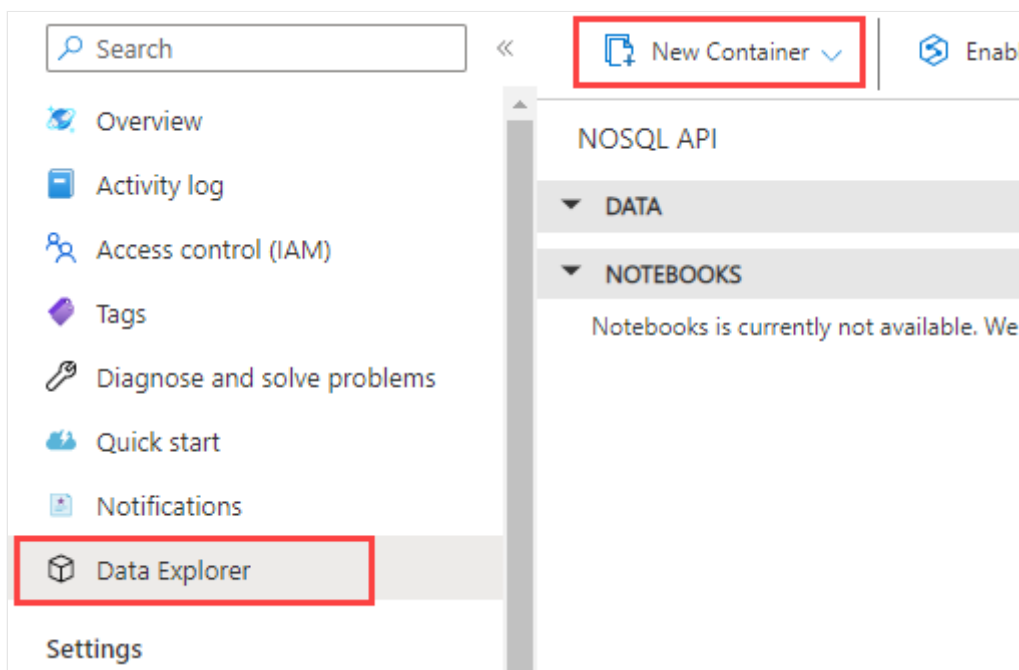
1. Log in to the [Azure portal](#).
2. From the Azure portal navigation pane, select + **Create a resource**.
3. Search for **Azure Cosmos DB**, then select **Create/Azure Cosmos DB** to get started.
4. On the **Which API best suits your workload?** page, select **Create** in the **Azure Cosmos DB for NoSQL** box.
5. In the **Create Azure Cosmos DB Account - Azure Cosmos DB for NoSQL** page, enter the basic settings for the new Azure Cosmos DB account.
 - **Subscription:** Select the subscription you want to use.
 - **Resource Group:** Select **Create new**, then enter *az204-cosmos-rg*.
 - **Account Name:** Enter a *unique* name to identify your Azure Cosmos account. The name can only contain lowercase letters, numbers, and the hyphen (-) character. It must be between 3-31 characters in length.
 - **Location:** Use the location that is closest to your users to give them the fastest access to the data.
 - **Capacity mode:** Select **Serverless**.

6. Select **Review + create**.
7. Review the account settings, and then select **Create**. It takes a few minutes to create the account. Wait for the portal page to display **Your deployment is complete**.
8. Select **Go to resource** to go to the Azure Cosmos DB account page.

Add a database and a container

You can use the Data Explorer in the Azure portal to create a database and container.

1. Select **Data Explorer** from the left navigation on your Azure Cosmos DB account page, and then select **New Container**.

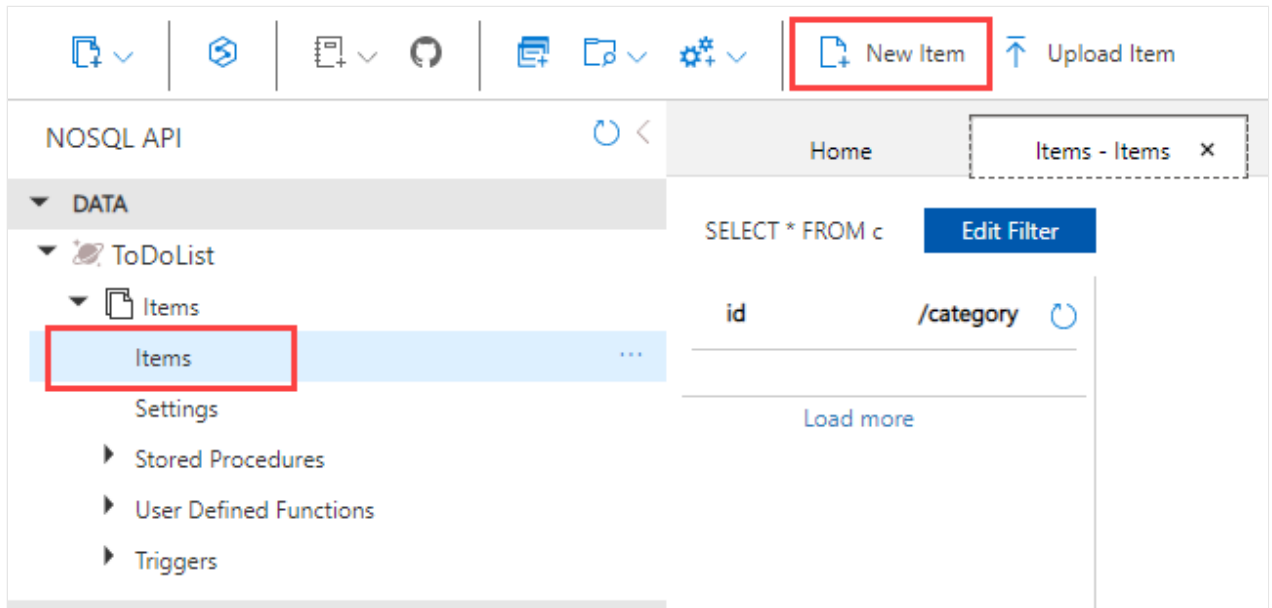


2. In the **New container** pane, enter the settings for the new container.
 - **Database ID:** Select **Create new**, and enter *ToDoList*.
 - **Container ID:** Enter *Items*
 - **Partition key:** Enter */category*. The samples in this demo use */category* as the partition key.
3. Select **OK**. The Data Explorer displays the new database and the container that you created.

Add data to your database

Add data to your new database using Data Explorer.

1. In **Data Explorer**, expand the **ToDoList** database, and expand the **Items** container. Next, select **Items**, and then select **New Item**.



2. Add the following structure to the item on the right side of the **Items** pane:

```
JSON

{
  "id": "1",
  "category": "personal",
  "name": "groceries",
  "description": "Pick up apples and strawberries.",
  "isComplete": false
}
```

3. Select **Save**.
4. Select **New Item** again, and create and save another item with a unique **id**, and any other properties and values you want. Your items can have any structure, because Azure Cosmos DB doesn't impose any schema on your data.

Clean up resources

1. Select **Overview** from the left navigation on your Azure Cosmos DB account page.
2. Select the **az204-cosmos-rg** resource group link in the Essentials group.
3. Select **Delete** resource group and follow the directions to delete the resource group and all of the resources it contains.

Next unit: Knowledge check

[Continue >](#)
