ONLINE LAB: Setting Up Your First Cosmos DB

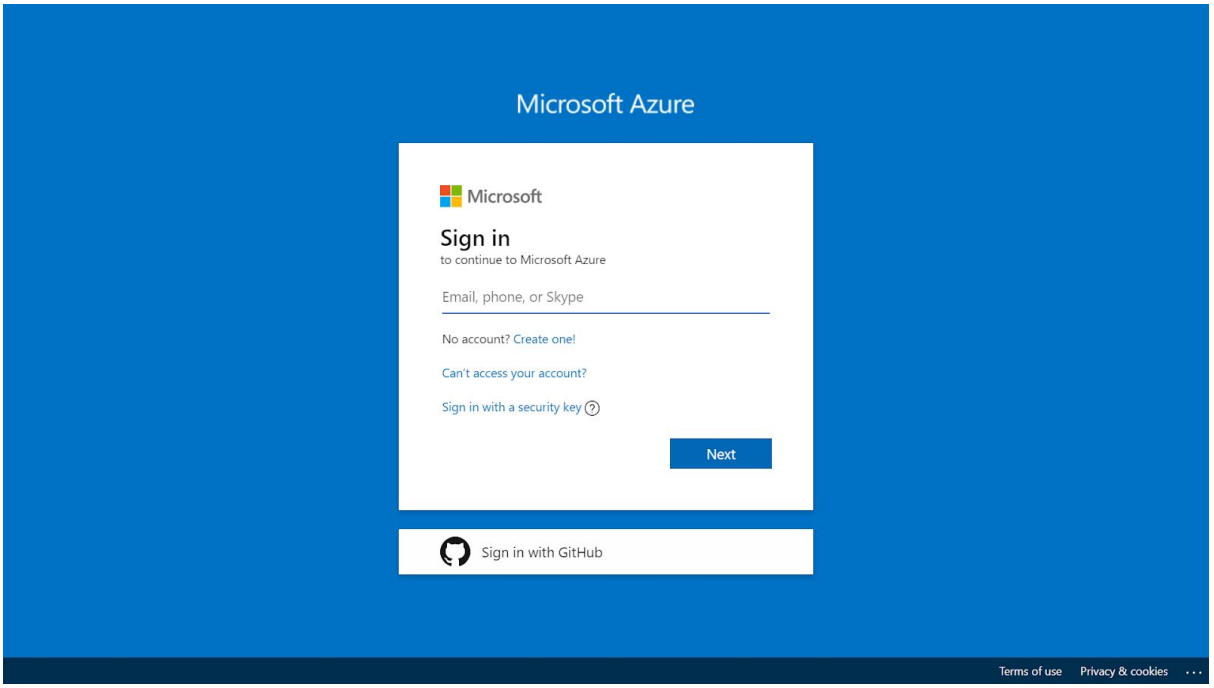
Your Challenge

- Create a new resource group
- Create a new cosmos DB database
- Create a container and add one or two records
- Clean up all of your resources created after you're done

Solution

Step 1 Sign Into Azure

Sign into Azure at https://portal.azure.com/



Step 2 Create a resource group

1. In the navigation list, click **Resource groups**.

2. Click **Add** to open the **Resource group** blade.
3. For **Resource group** name, enter any name (e.g) **cosmosDB-ResourceGroup**.
4. Select a subscription and a location.
5. Click **Review + Create** to proceed to the last step.
6. Click **Create** to create the resource group.
7. Click **Refresh** to refresh the list of resource groups.

The new resource group appears in your resource groups list.

Step 3 Create a new cosmos DB database

1. Click **Create a resource** option in left top corner.

2. Select an option **Databases** and click **Azure Cosmos DB**. It will redirects to create azure cosmos DB account page.

3. Select your subscription.

4. Select **Resource Group** to choose existing resource or add new resource group.

5. Create a globally unique name in **Account Name**.

6. Choose an **API** from dropdown menu which determines data model for the account.

7. Choose a **location** for this account.

8. Enable **Geo-Redundancy** if you want to pair with multiple region.

9. Enable **Multi-region** if you want both region to have write access.

10. Click **Next: Network** button

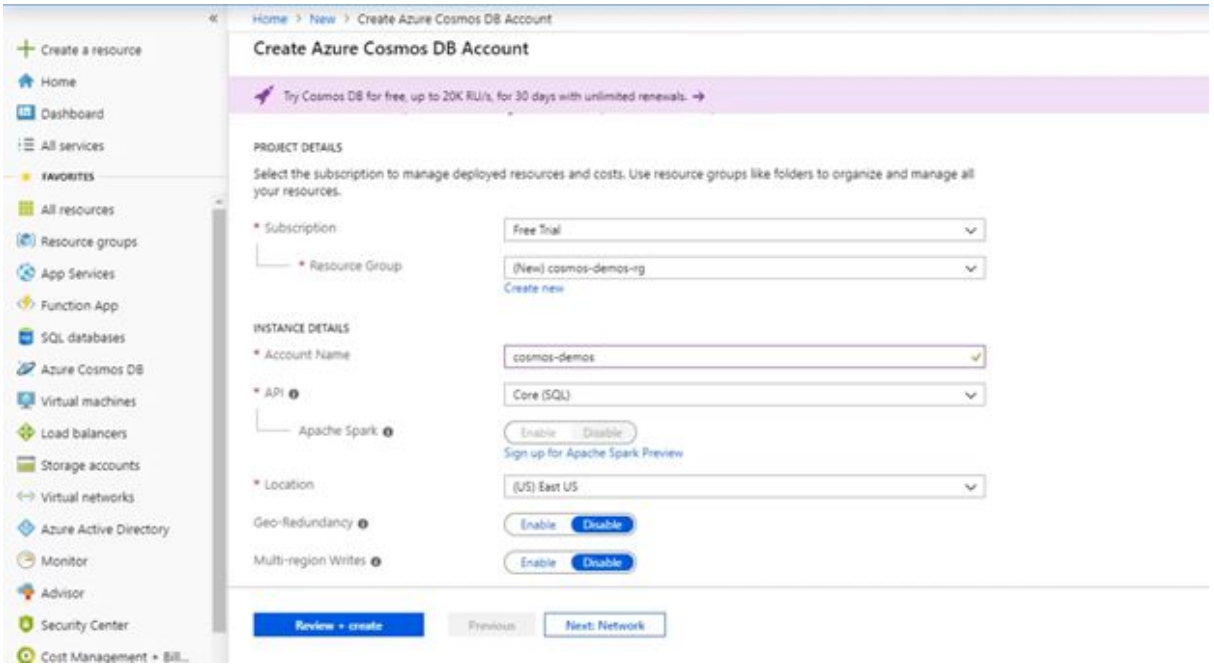
11. Choose a Virtual Network If you want your cosmos DB to be set on any virtual network.

12. Click **Next: Tags**

13. Set environment tag by providing key, value and resource type.

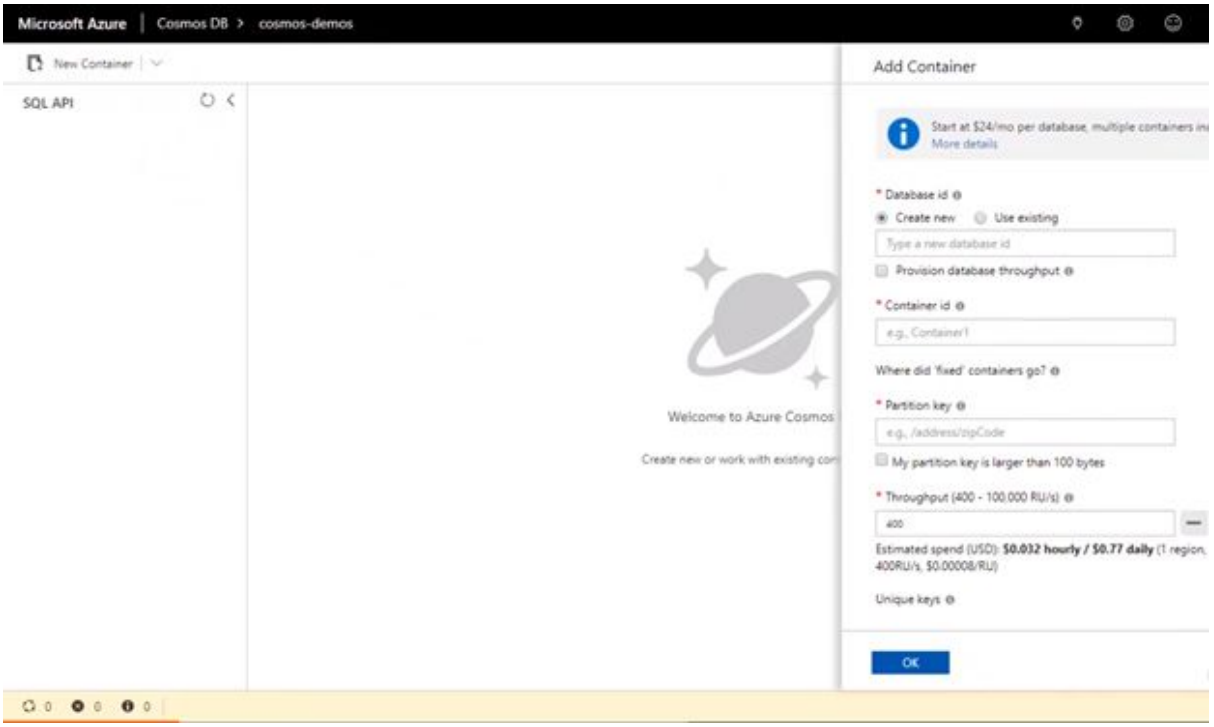
14. Click **Review + create** button.

15. Click **Create** button. After few minutes you can see cosmos DB is created.



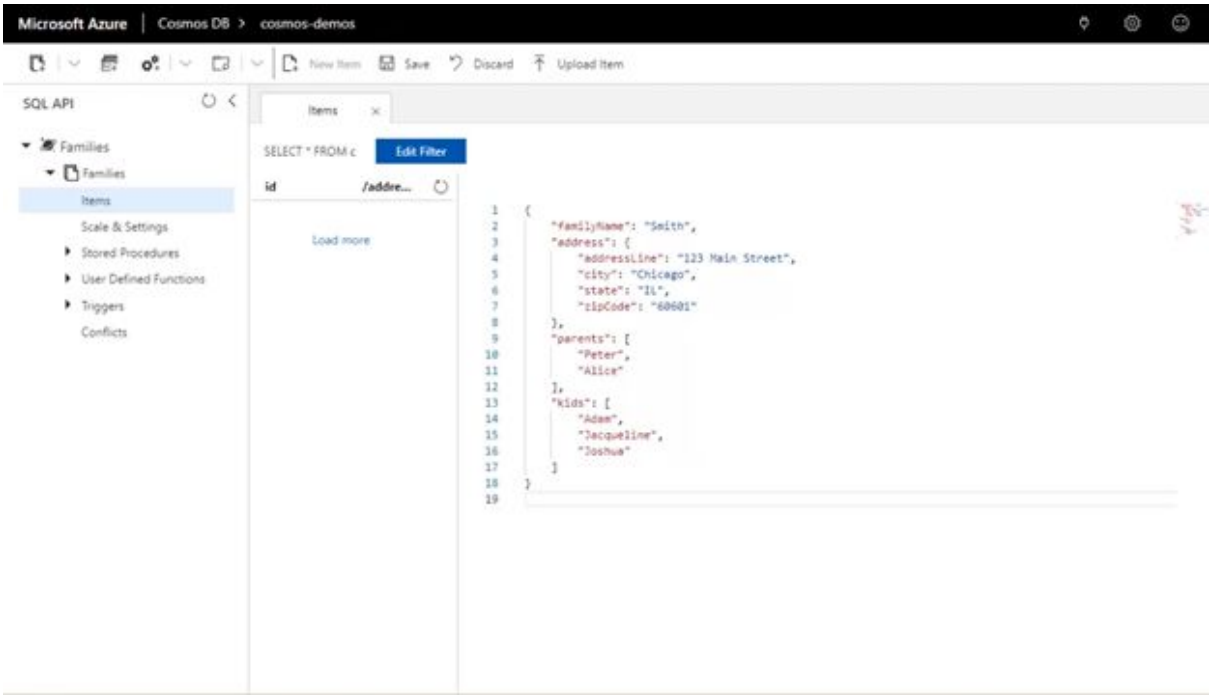
Step 4 Create a container

1. Open the cosmos DB you have created.
2. Click **Data Explorer** and click **New Container**.
3. Create a **Database id**.
4. Create a **Container id**.
5. Create a **Partition Key**.
6. Choose a **Throughput** between 400-1000000.
7. Click ok.



Step 5 Add records in DB.

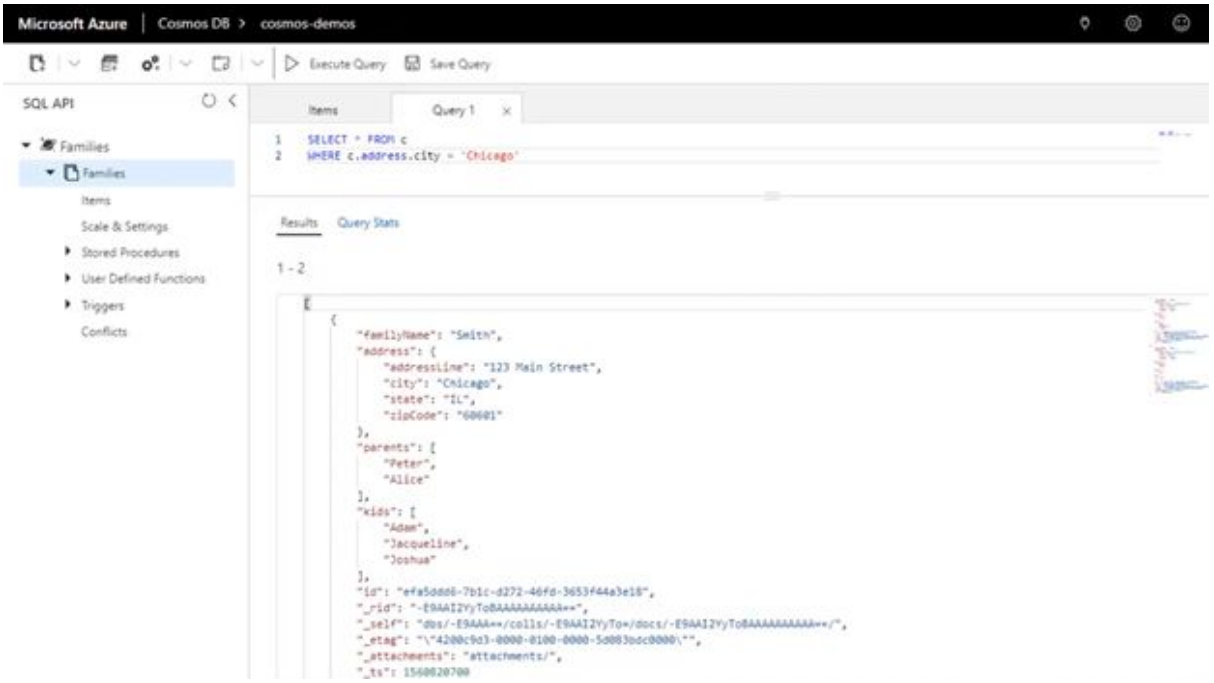
1. In the **Data Explorer** click the database you have created.(e.g) Familes
2. Click the **container** you have created. (e.g) Families
3. Select **Items** under container.
4. Click **New Item**.
5. Enter the values to insert. (e.g) refer the screenshot.
6. Then click **Save**.
7. Once click save cosmos DB generate id property.



Step 6 Query records in DB

1. In the Data Explorer Click **New SQL Query** in top left corner.

2. Use any query to retrieve the record in DB.(e.g) Refer below screenshot.



Step 7 Clean up

1. In the navigation list, click **Resource groups**.
2. Click **cosmosDB-ResourceGroup** to open the resource group.
3. Click **Delete resource group** to delete the resource group.
4. On the **Are you sure you want to delete** blade, type the resource group name: **logicappgrp**.
5. Click **Delete** to delete the resource group.