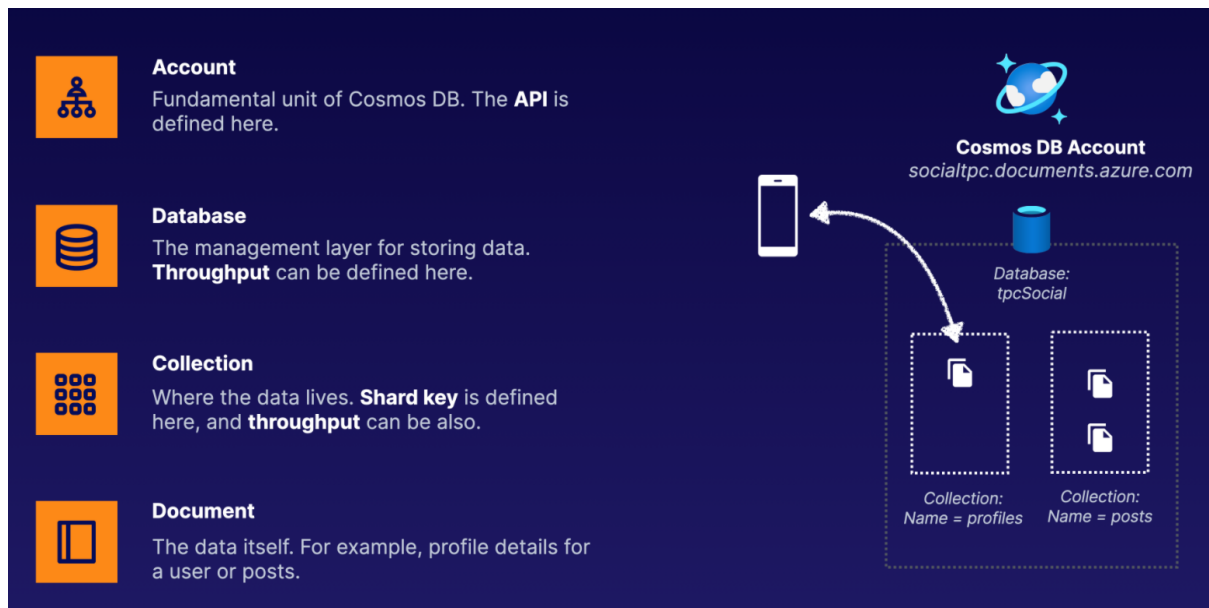


Create Multiple Cosmos DB Containers

Cosmos DB is a multi-master, multi-model, NoSQL database service built for planet scale (the hint is in the name: Cosmos!). In this hands-on lab, we'll use the Azure Portal to create a Cosmos DB account and two collections.



Create a Cosmos DB Account

1. Click on Resource groups.
2. Take note of the existing resource group that has already been provided, along with its location.
3. Click on the resource group name.
4. Select the + Add option.
5. In the search bar, search for "cosmos db" and select the first result, **Azure Cosmos DB**.
6. Click the **Create** button.
7. Configure your Cosmos DB account:
 - In ***Account name***, enter in a unique account name.
 - In the API, select **Azure Cosmos DB for MongoDB API**.
 - In Location, select the same location that your existing resource group was in.
 - In Apply Free Tier Discount, select **Do Not Apply**.

- In Account Type, select **Production**.
- Select Disable for Geo-Redundancy, Multi-region Writes, and Availability Zones.

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Create Azure Cosmos DB Account - Azure Cosmos DB API for MongoDB ...

Basics Global Distribution Networking Backup Policy Encryption Tags Review + create

Global Distribution

Configure global distribution and regional settings for your account. You can also change these settings after the account is created.

Geo-Redundancy ⓘ ☐ Enable ☒ Disable

Multi-region Writes ⓘ ☐ Enable ☒ Disable

8. Click on Next: Networking at the bottom.

9. In Connectivity network, select **All networks**.

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Create Azure Cosmos DB Account - Azure Cosmos DB API for MongoDB ...

Basics Global Distribution Networking Backup Policy Encryption Tags Review + create

Network connectivity

You can connect to your Cosmos DB account either publically, via public IP addresses or service endpoints, or privately, using a private endpoint.

Connectivity method * ☒ All networks
☐ Public endpoint (selected networks)
☐ Private endpoint


10. Click the **Review and create** button.

11. Once the validation is successful, click the **Create** button.

12. Wait a few minutes for your Cosmos DB account to be created.

13. Click the Go to resource button.

[Home](#) >

 **Microsoft.Azure.CosmosDB-20220120030119** | Overview ✨ ...

Deployment


<<  Delete  Cancel  Redeploy  Refresh


 Overview


 Inputs

 Outputs

 Template

 We'd love your feedback! →

 Your deployment is complete

 Deployment name: Microsoft.Azure.CosmosDB-20220120030119
Subscription: [P2-Real Hands-On Labs](#)
Resource group: [1-cddfb90a-playground-sandbox](#)

Start time: 1/20/2022, 3:01:27 AM
Correlation ID: 87f585eb-5f6f-4703-b994-fc507d7f01ab

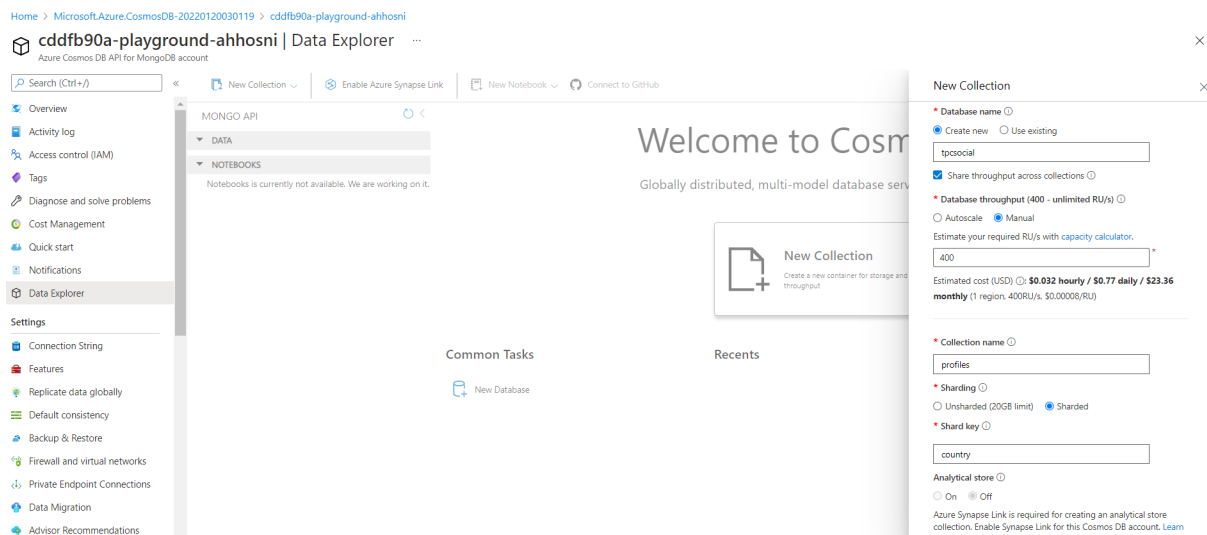
⌵ Deployment details [\(Download\)](#)

⌵ Next steps

[Go to resource](#)

Create Two Cosmos DB Collections

1. In the navigation menu on the left, select Data Explorer.
2. In the upper left corner, click on the dropdown menu labeled New Collection.
3. From the two choices, select New Database.
4. In Database id, name the database "tpcsocial".
5. Ensure the throughput meets the requirements:
 - Check the box next to Provision throughput.
 - Check the radio button next to Manual.
 - Enter "400" in the request units box.
6. Click the OK button at the bottom.
7. Once the database is created, click on the dropdown menu New Collection in the upper left corner again.
8. This time, select **New Collection**.
9. Create a new collection using the database we just created:
 - In Database id, click the radio button next to **Use existing**.
 - From the dropdown menu, select our **tpcsocial** database.
 - In Collection id, enter "profiles".
 - In Shard key, enter "country".
 - Leave the other options unchanged.
10. Click the **OK** button at the bottom.



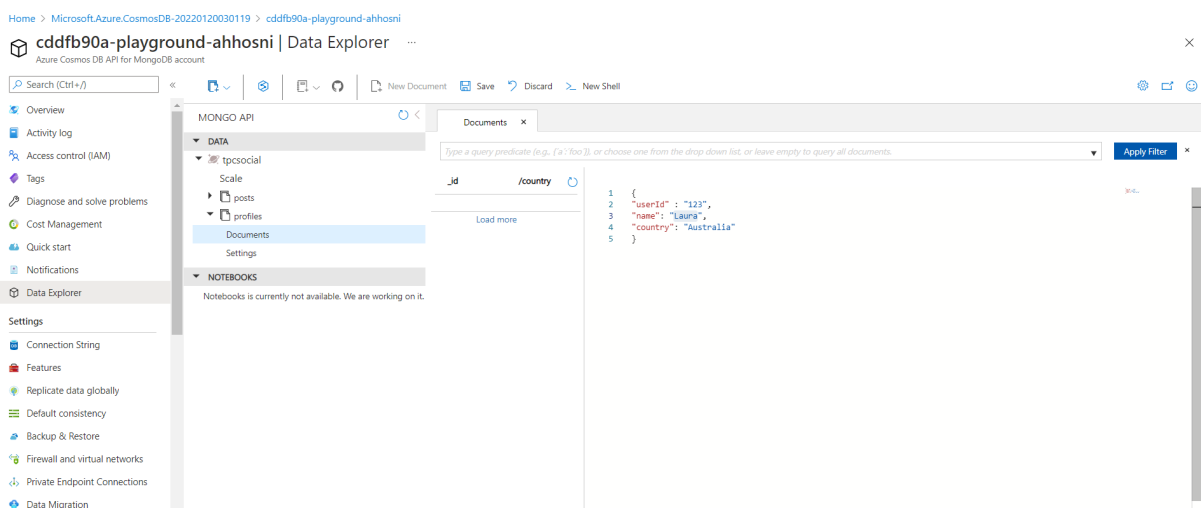
11. To create another new collection, click on the dropdown menu **New Collection** in the upper left corner again.
12. Create a second collection using the database we just created:

- In Database id, click the radio button next to **Use existing**.
 - From the dropdown menu, select our **tpcsocial** database.
 - In Collection id, enter "posts".
 - In Shard key, enter "userId".
 - Leave the other options unchanged.
13. Click the **OK** button at the bottom.

Create and View Data

1. To interact with the collection using the Azure Portal, you can click on the profiles collection under Collections.
2. From the dropdown menu, select Documents.
3. From the options bar above, select + New Document.
4. Add some basic data. For example, add the following document in the "profiles" collection:

```
{
  "userId" : "123",
  "name": "Laura",
  "country": "Australia"
}
```



5. In the options bar above, click Save.
6. View the newly created data within the Azure portal.