5.10 Azure CosmosDB



This section will guide you to:

* Create an Azure CosmosDB account, add a database and a container.

**Development Environment:**

* Windows 10
* Windows Azure cloud

This guide has four subsections, namely:

5.10.1 Creating an Azure CosmosDB account

5.10.2 Adding a database and a container

5.10.3 Adding data to the database

5.10.4 Pushing the code to GitHub repositories

**Step 5.10.1:** Creating an Azure CosmosDB account

* An Azure account has been enabled in your practice lab. Refer DotNet Lab guide: Phase 4 to learn how to use the practice lab.
* Login to the Azure Portal with the Azure/Microsoft credentials provided in the lab.
* From the portal page, search for Azure CosmosDB and click on it.
* In the Cosmos DB page, click **Create Azure Cosmos DB Account.**
* In the Create CosmosDB page, for **Resource Group** select an existing one or click **Create New.**
* For **Account Name,** enter a name with only lowercase alphabets, numbers and hyphens.
* Set the location as East US or West US.
* Click **Next:Networking.**
* Click **Next:Tags.**
* Click **Review+Create.**
* Click **Create** in the next screen.
* Once deployment is complete click on **Go to Resource.**

**Step 5.10.2:** Adding a database and a container

* From the CosmosDB overview page, click on **Data Explorer.**
* Click **New Container.**
* In the Add Container popup enter a globally unique name for **Database id.**
* For **Container id,** enter a globally unique id.
* For **Partition Key,** enter a globally unique name.
* Click **Ok.**

**Step 5.10.3:** Adding data to the database

* In the SQL API pane, expand the newly created container.
* Select **Items.**
* Click **New Item.**
* Add something similar for the item content:

{

"id": "1",

"name": "john doe",

"empcode": 431

}

* Click **Save.**
* This adds a new item to the database.

**Step 5.10.4:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master