Demo 1: Creating an Azure Cosmos DB Instance

**Important**: Prior to getting starting with the hands-on exercises in this module, you should first complete this exercise. The data instances you create in this exercise will be used for subsequent exercises in this module.

1. In a new window, sign in to the **Azure Portal** ([https://portal.azure.com](https://portal.azure.com/)).
2. In the *Jumpbar*, click **New**, click **Databases**, and then click **Azure Cosmos DB**.
3. In the **New account** blade, specify the desired configuration for the new Azure Cosmos DB account using the following steps:
   1. In the **ID** box, enter a name to identify the Azure Cosmos DB account. When the **ID** is validated, a green check mark appears in the **ID** box.

The **ID** value becomes the host name within the URI. The **ID** may contain only lowercase letters, numbers, and the ‘-’ character, and must be between 3 and 50 characters. Note that documents.azure.com is appended to the endpoint name you choose, the result of which becomes your Azure Cosmos DB account endpoint.

* 1. In the **API** section, select **SQL**.
  2. In the **Subscription** section, select the Azure subscription that you want to use for the Azure Cosmos DB account.

If your account has only one subscription, that subscription is selected by default.

* 1. In the **Resource Group** section, Create a new resource group for your Azure Cosmos DB account named **DocDB**.
  2. Use **Location** to specify the geographic location closest to your current location in which to host your Azure Cosmos DB account.

1. Once the new Azure Cosmos DB account options are configured, click the **Create** button.

To check the status of the deployment, check the Notifications hub at the top-right corner of your Azure portal.

1. After the Azure Cosmos DB account is created, you will receive a notification in the **Notifications Hub** indicating that the deployment action is complete.
2. Download the [documentdb-json-bulk.zip](https://d37djvu3ytnwxt.cloudfront.net/assets/courseware/v1/fc756eaab966f3a972174e6f82c70674/asset-v1:Microsoft+DAT221x+1T2017+type@asset+block/documentdb-json-bulk.zip) compressed folder and save it to your local machine.
3. On your local machine, extract the contents of the compressed folder to an empty directory.

You should see **50** \*.json files in the directory. These files will be used later in this hands-on exercise. Please take note of the directory where you extracted these files.

1. Return to the browser window with the Azure Portal currently open.
2. In the *Jumpbar*, click **More Services**, locate the **Databases** section, and then click **Azure Cosmos DB**.
3. In the *Azure Cosmos DB* blade that opens, locate and click the Azure Cosmos DB account instance you created earlier in this module.
4. In the menu at the top of the Azure Cosmos DB account blade, locate and click the **Add Collection** button.
5. The blade will automatically navigate to the **Data Explorer** pane and show the **Add Collection** popup.
6. In the *Add Collection* popup, specify the following values for your new *collection and database*:
   1. In the **Database Id** box, enter the name **ecommerce**.
   2. In the **Collection Id** box, enter the name **customers**.
   3. In the **Storage Capacity** section, select the **Fixed (10 GB)** option.
   4. In the **Throughput (400 - 10,000 RU/s)** section, enter the value **400** in the numeric box.
   5. Click the **OK** button.
7. Wait for the “**Creating collection customers**” operation to complete.
8. Once the operation has completed, locate the menu on the left-side of the Azure Cosmos DB account blade. In the menu, locate the **Collections** section and then click the **Document Explorer** option.
9. In the *Document Explorer* blade, locate the *drop-down list* at the top of the blade. In the list, select the **customers** collection within the **ecommerce** database.
10. Click the **Upload** button at the top of the blade.
11. In the *Upload Document* blade, locate and click the *blue folder* button to select files to upload.
12. In your operating system's file dialog, locate and select all 50 \***.json** files that you extracted earlier in this hands-on exercise. Click the appropriate OS-specific button to upload these files.
13. In the **Upload Document** blade, locate and click the **Upload** button.
14. Wait for the **Upload** operation to complete. In the **File Upload Status section**, you should see a *Result* indicating a status of **Succeeded** for all **50** documents.
15. Close the *Upload Document* blade.
16. In the *Document* Explorer blade, observe the 50 new documents that have been added to your collection. Click on any specific document to open a new blade with the content of the specific document.

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