

Lab 03

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Goal : Create cosmos db through portal and cli based on the below specification, load data and try various querying.

Task 1

Create cosmos db account through portal with your preferred choice of configuration and note down below details.

Throughput

Consistency

Default firewall settings

Location

Task 2

Create database using different APIs

Task 3

Create cosmos db account through CLI (refer the below spec)

Create database using portal (refer the below spec)

Location – North Central US

Throughput 500 Rus

Consistency – Eventual

Restrict the access only from your local IP

Share your connection string to other participant, ask them to try accessing your database

Once they confirmed unable to access, get their IP and assign to allowed IP and then ask them to try again

Task 5

Examine the dataset from below location, decide on the partition key

<https://cosmosdblabsv3.blob.core.windows.net/?sv=2018-03-28&ss=bfqt&srt=sco&sp=rlp&se=2022-01-01T04:55:28Z&st=2019-08-05T20:02:28Z&spr=https&sig=%2FVbismITQ7INplqo6WfU8o266le72o2bFdZt1Y51PZo%3D>

Create the container with partition key.

Upload the dataset using Data Factory (this option is used in place of cosmos db copy utility as few of us don't have permission to install)

https://azurecosmosdb.github.io/labs/dotnet/labs/02-load_data_with_adf.html

try different querying of your choice, for each query capture the query status and examine the RU and response time.

CLI commands:

```
az cosmosdb create --name comosdbdemocli102 --resource-group rg-arun --locations  
regionName=eastus
```

```
az cosmosdb list-connection-strings
```

https://docs.microsoft.com/en-us/cli/azure/cosmosdb?view=azure-cli-latest#az_cosmosdb_create