

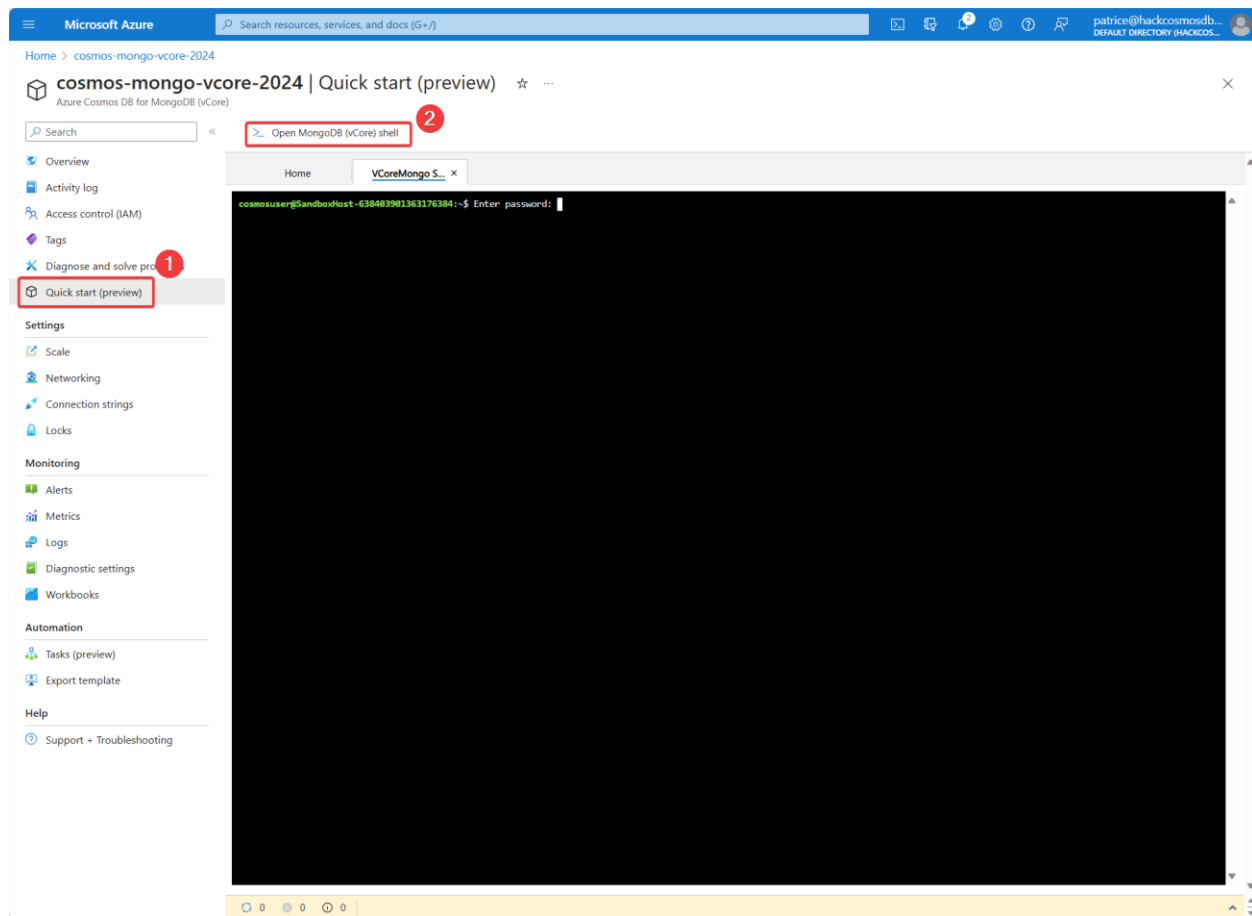
# Lab 1: Azure Cosmos DB for MongoDB vCore

This document explains how to create databases and collections in a Cosmos DB for MongoDB vCore account

## Connect to a Cosmos DB for MongoDB vCore account

Connect to an existing Cosmos DB for MongoDB vCore account

1. In the search bar, type 'Azure Cosmos DB for MongoDB'
2. Click on the instance that was just created e.g. '`cosmos-mongo-vcore-2024`'
3. Click on 'Quick Start' in the menu
4. Click on the 'Open MongoDB (vCore) shell' button



## Create databases and tables

In the shell, type the following commands:

Enter password: Password1234

use database\_teamXX

```
db.createCollection("products_teamXX")
```

```
db.runCommand({createIndexes: 'products_teamXX', indexes: [{name:
'products_teamXX_vectorindex', key: {"vectorContent":
"cosmosSearch"}, cosmosSearchOptions: {kind: 'vector-ivf', numLists: 100,
similarity: 'COS', dimensions: 1536}}]}]);
```

Verify that the collection was properly created:

```
show collections
```

Microsoft Azure

Search resources, services, and docs (G+)

patrice@hackcosmosdb...

DEFAULT DIRECTORY (HACKCOS...

Home > cosmos-mongo-vcore-2024

cosmos-mongo-vcore-2024 | Quick start (preview) ☆ ...

Azure Cosmos DB for MongoDB (vCore)

Search

Open MongoDB (vCore) shell

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Quick start (preview)

Settings

Scale

Networking

Connection strings

Locks

Monitoring

Alerts

Metrics

Logs

Diagnostic settings

Workbooks

Automation

Tasks (preview)

Export template

Help

Support + Troubleshooting

Home

VCoreMongo S... x

cosmosuser@SandboxHost-638405765557766890:~\$ Enter password: \*\*\*\*\*

Current Mongosh Log ID: 659fef5d7d18800b925ae8

Connecting to: mongodb+srv://<credentials>@cosmos-mongo-vcore-2024.mongodb.cluster.cosmos.azure.com/?authMechanism=SCRAM-SHA-256&retrywrites=false&maxIdleTimeMS=120000&appName=mongosh+1.10.1

Using MongoDB: 6.0.0

Using Mongosh: 1.10.1

For mongosh info see: <https://docs.mongodb.com/mongosh-shell/>

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (<https://www.mongodb.com/legal/privacy-policy>). You can opt-out by running the `disableTelemetry()` command.

[mongos] test> use database\_team01

switched to db database\_team01

[mongos] database\_team01> db.createCollection("products\_team01")

{ ok: 1 }

[mongos] database\_team01> db.runCommand({createIndexes: "products\_team01", indexes: [{(name: "products\_user01\_vectorindex",key: { "vectorContent": "cosmosSearch" },cosmosSearchOptions: { kind: "vector-ivf", numLists: 100, similarity: "COS", dimensions: 1536 })}]}])

{

raw: {

defaultShard: {

numIndexesBefore: 1,

numIndexesAfter: 2,

createCollectionAutomatically: false,

ok: 1

}

},

ok: 1

}

[mongos] database\_team01> show collections

products\_team01

[mongos] database\_team01>

0

0

0

0