1)Create and Configure an Azure SQL Database:

Create a new Azure SQL Database.

Configure firewall rules to allow access to your database from specific IP addresses.

Create tables, insert sample data, and run basic SQL queriess

Configure automated backups and test restoring a database from a backup

Set up and configure geo-replication to create readable secondary replicas in different regions.

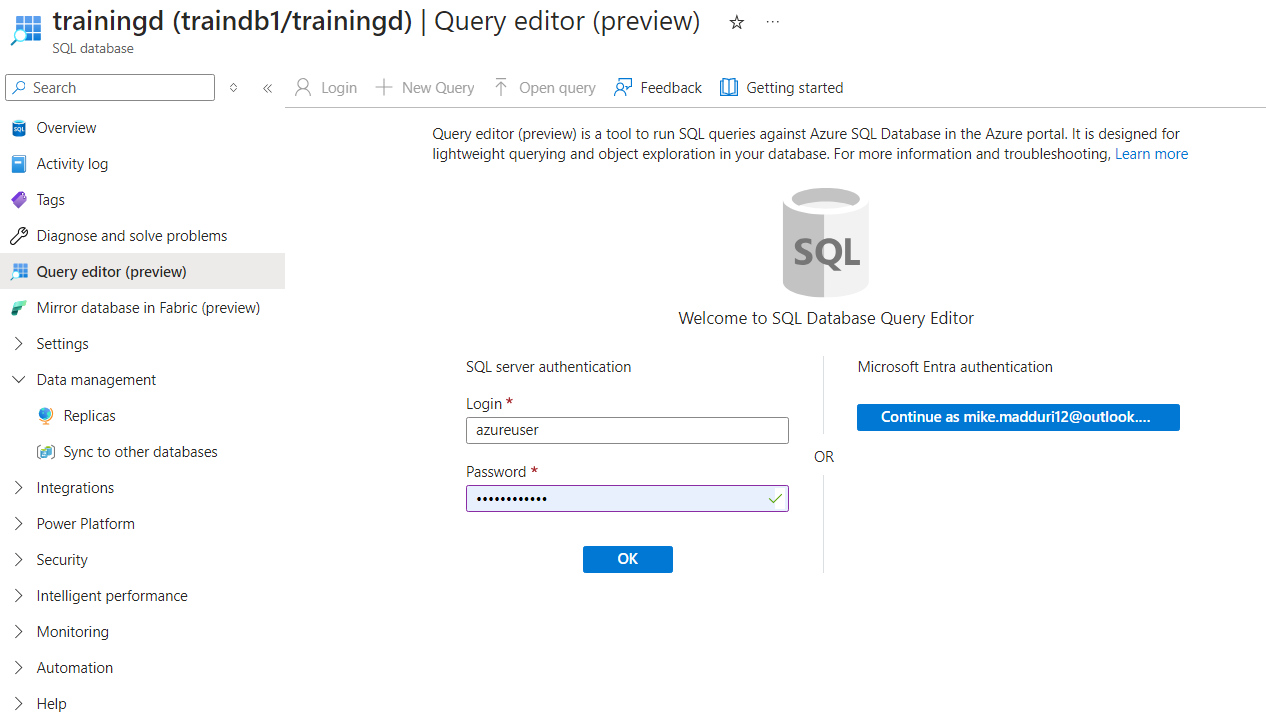
A screenshot of a computer

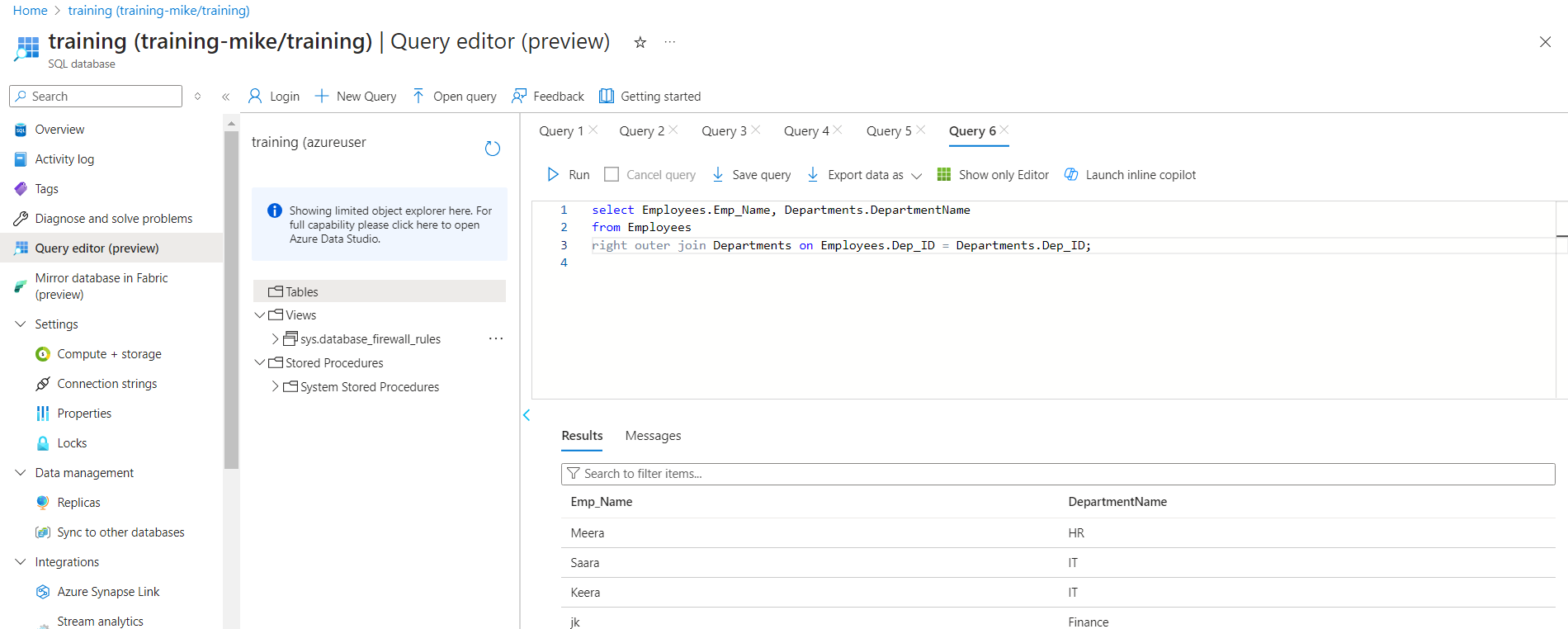
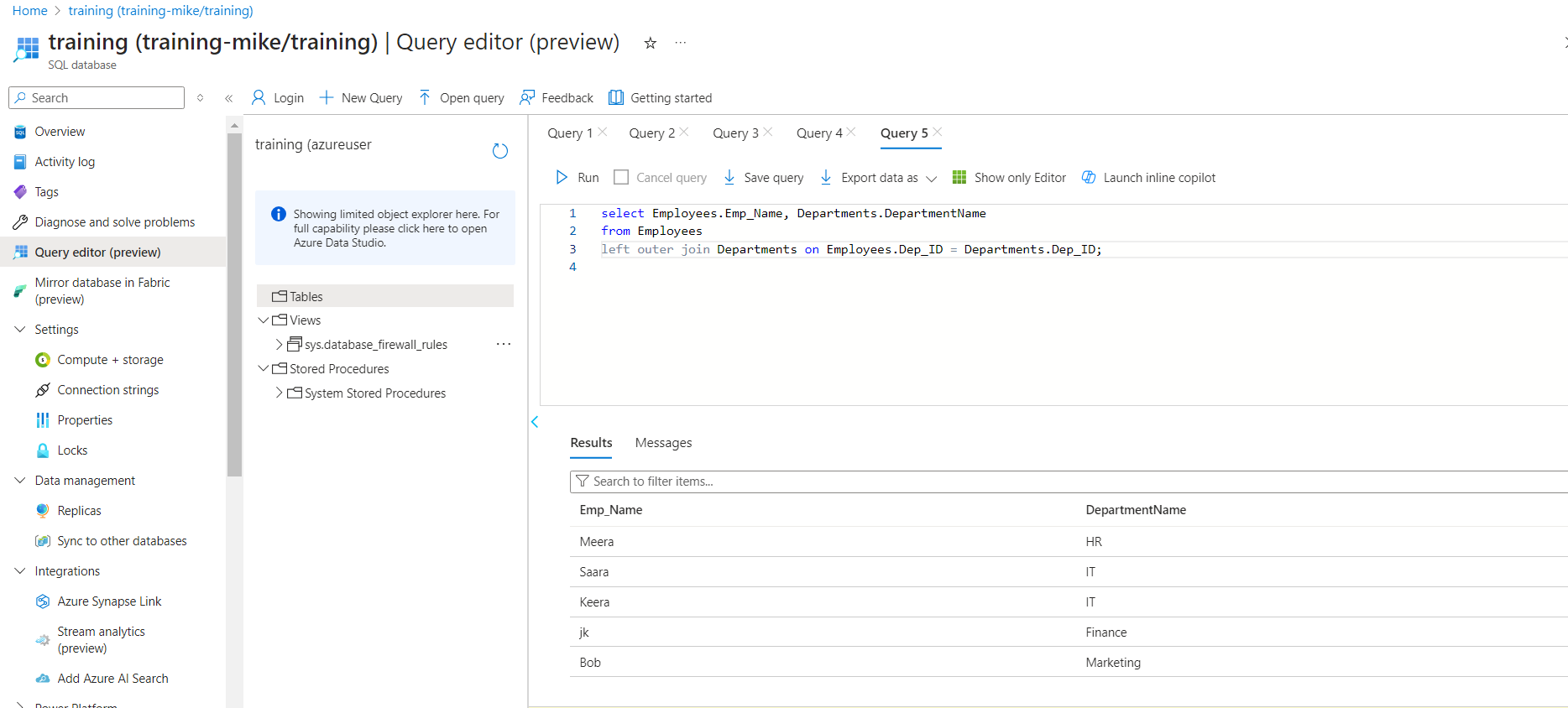
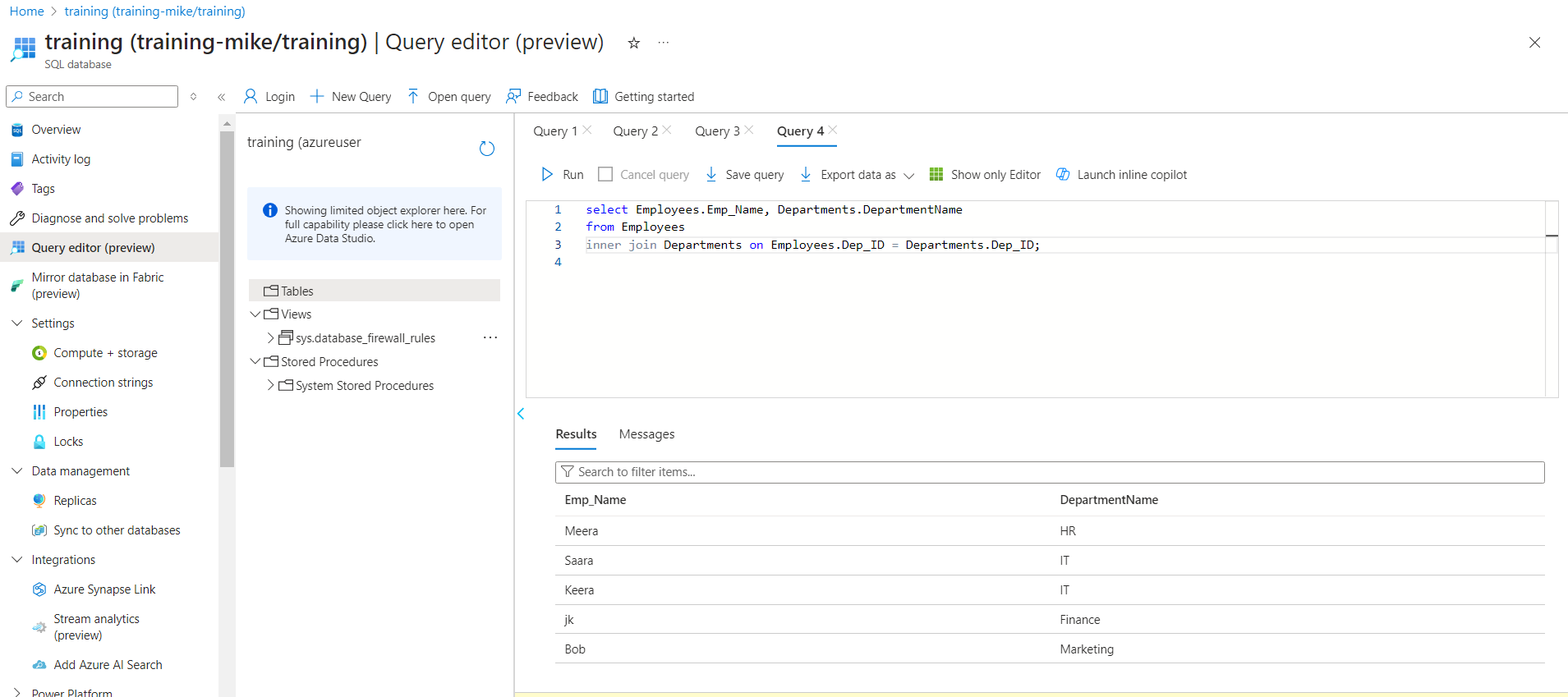
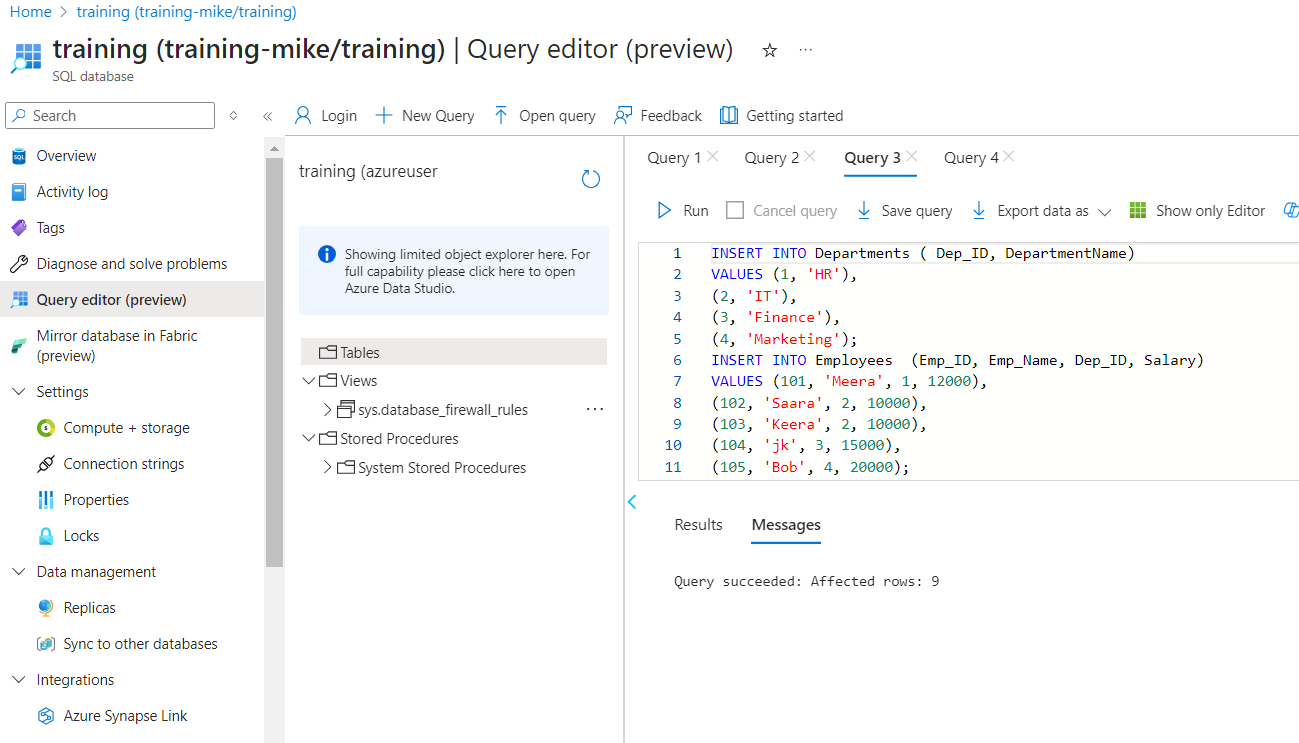
Description automatically generated

A screenshot of a computer

Description automatically generated

>go to query editor



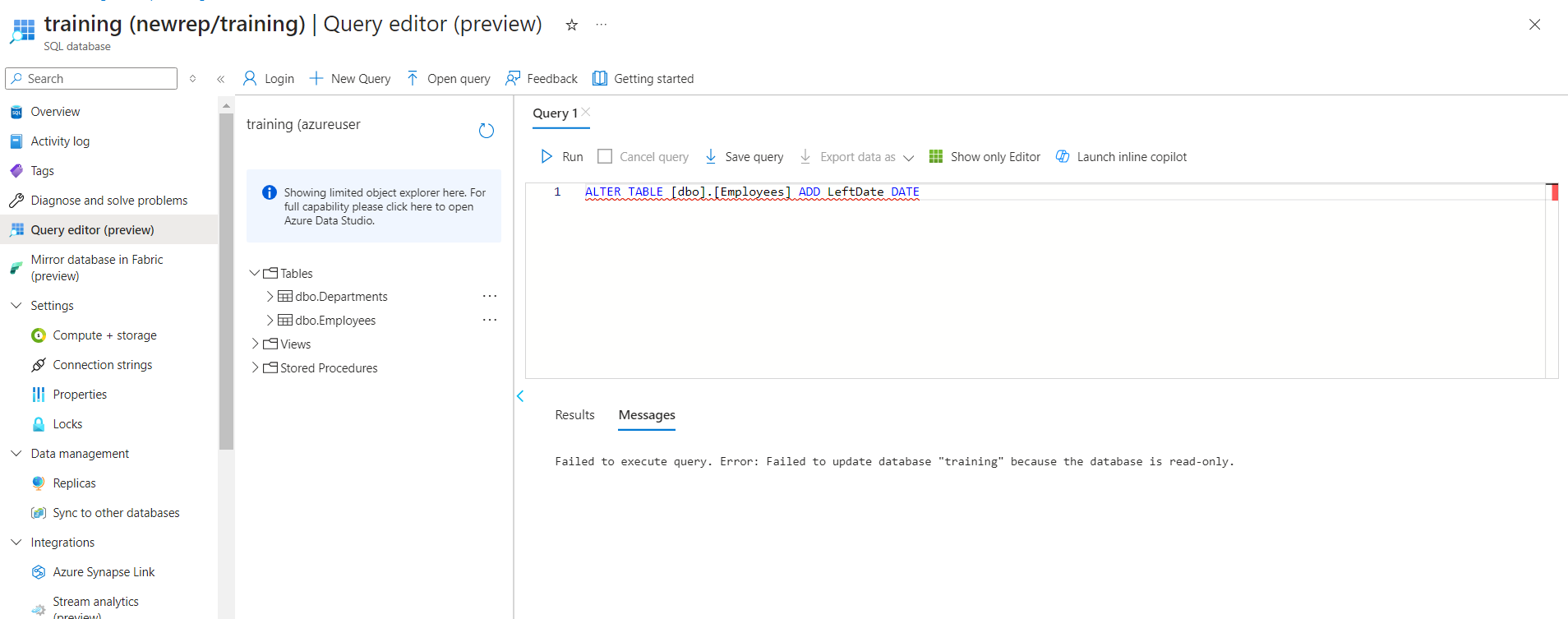


A screenshot of a computer

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A computer screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generatedA screenshot of a computer

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Description automatically generated

2) Create and Configure an Azure MYSQL Database:

Create a new Azure SQL Database.

Configure firewall rules to allow access to your database from specific IP addresses.

Create tables, insert sample data, and run basic SQL queries

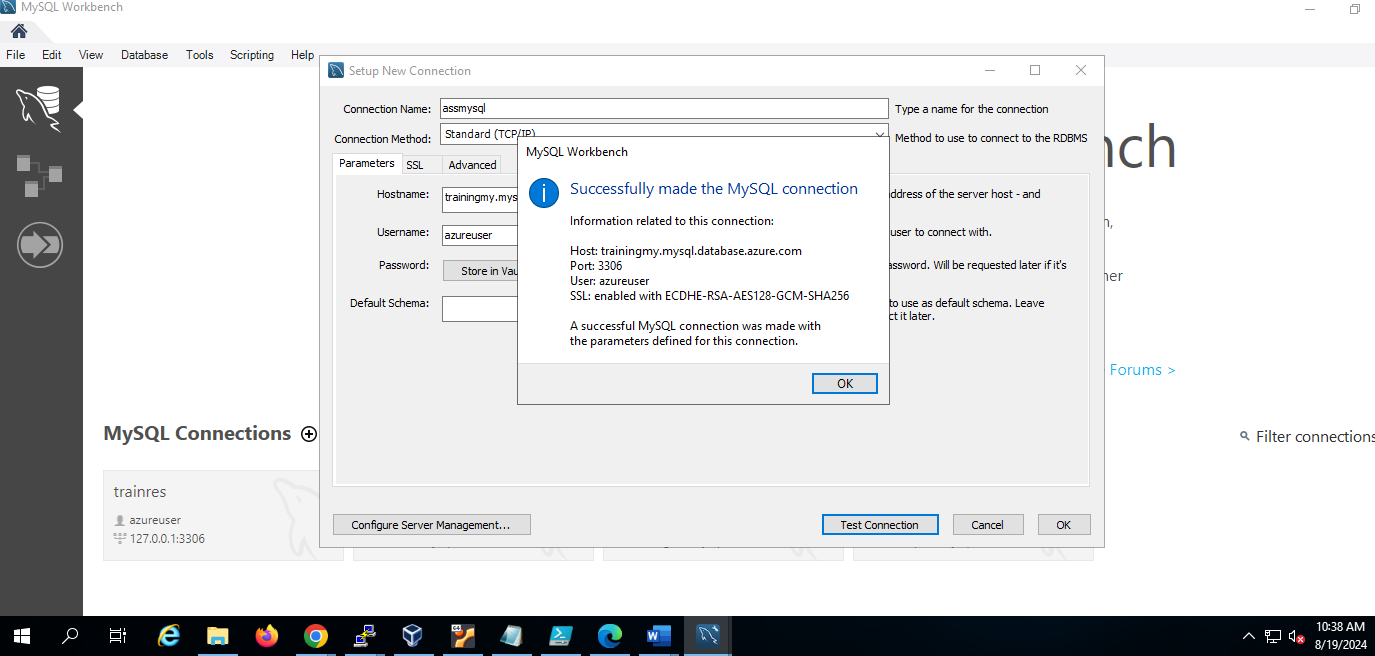
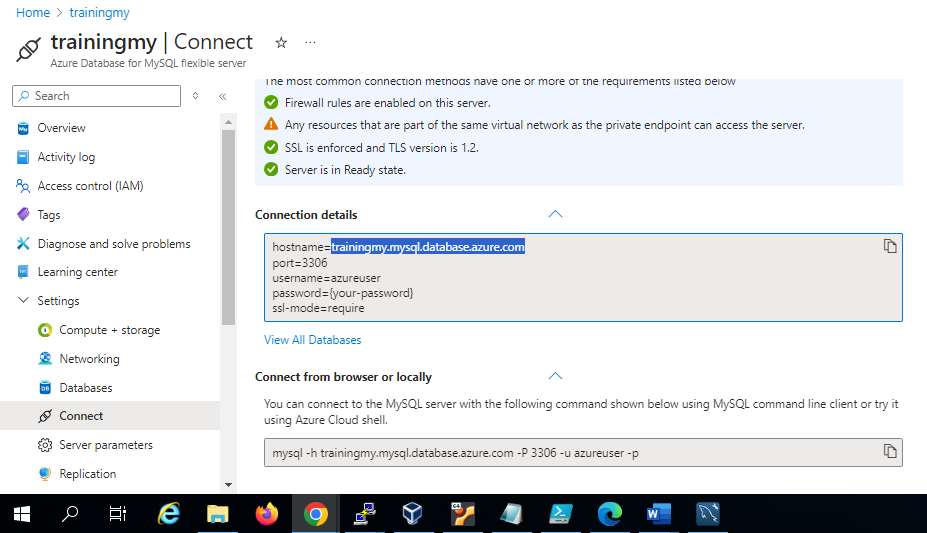
Create Employees and Departments tables and demostorate INNER JOIN, LEFT OUTER JOIN and RIGHT OUTER JOIN

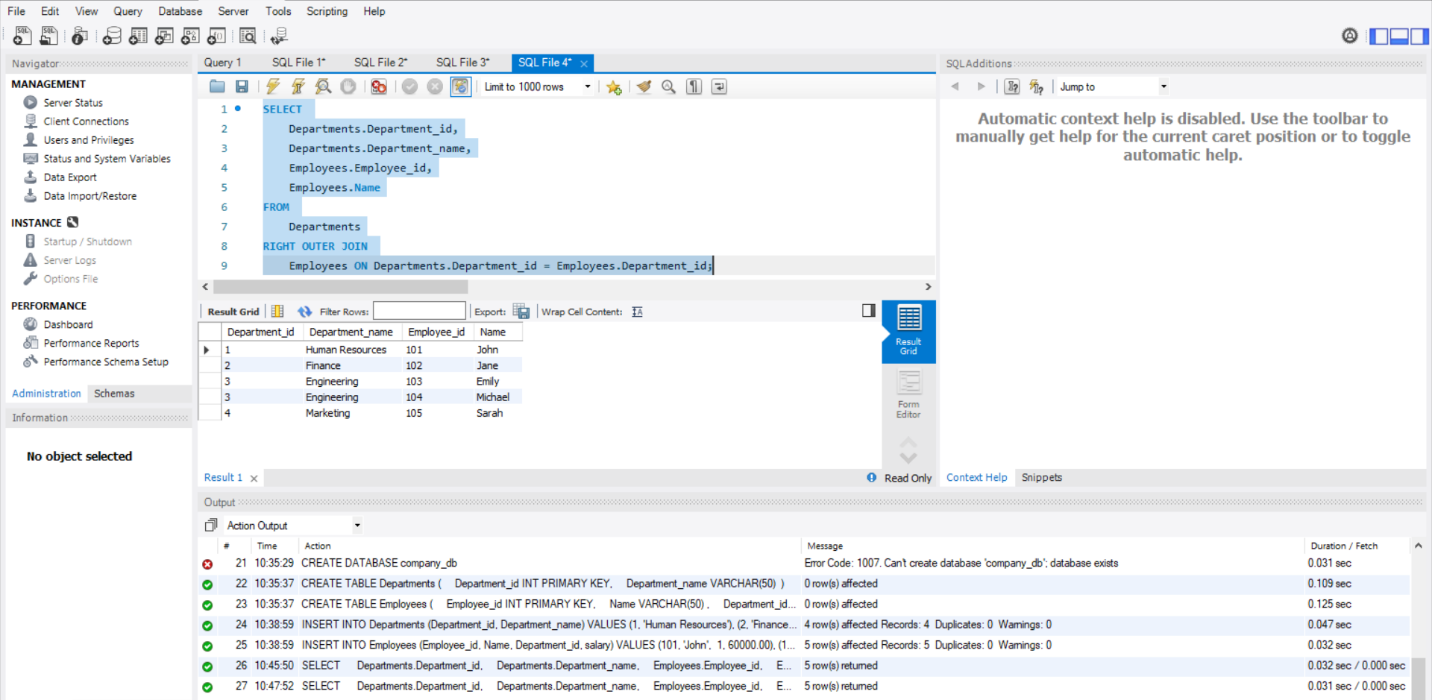
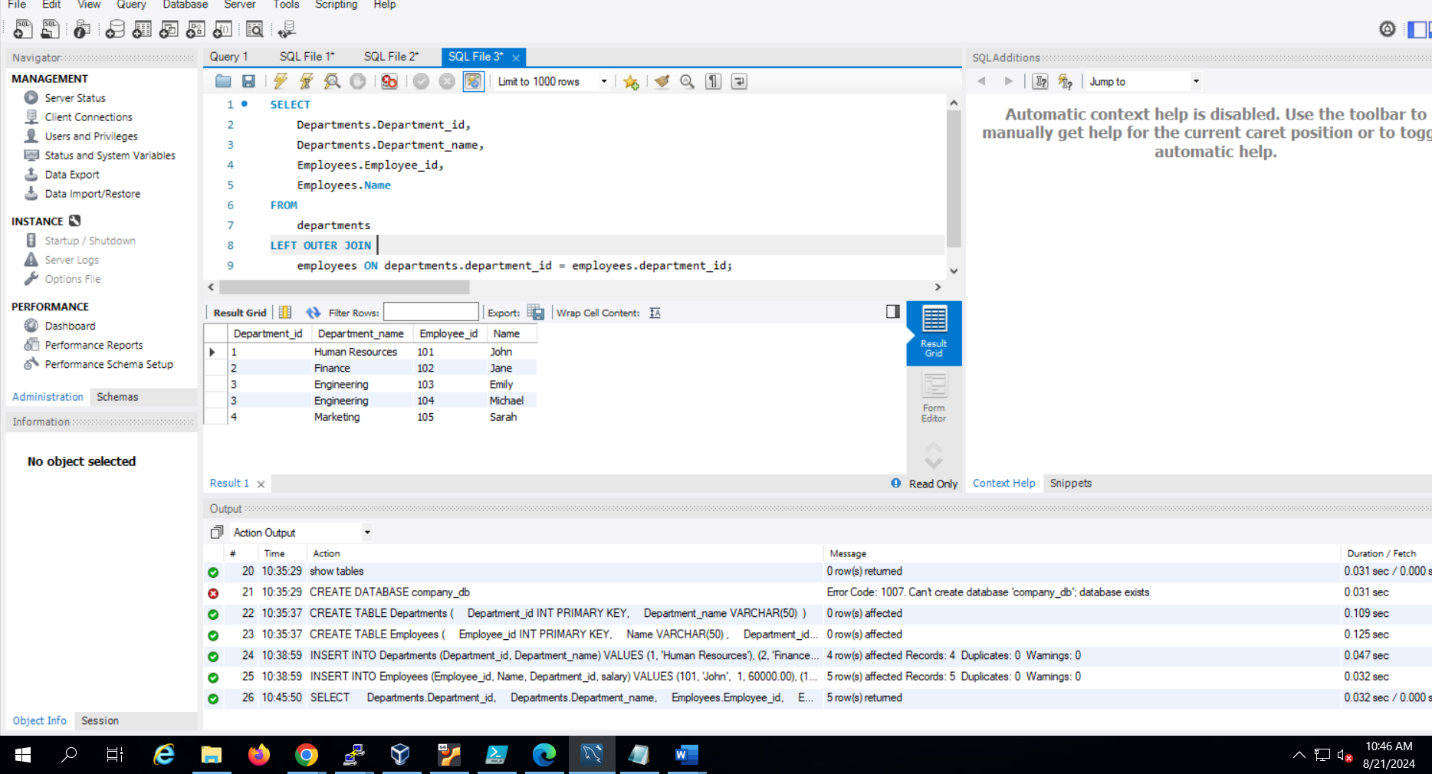
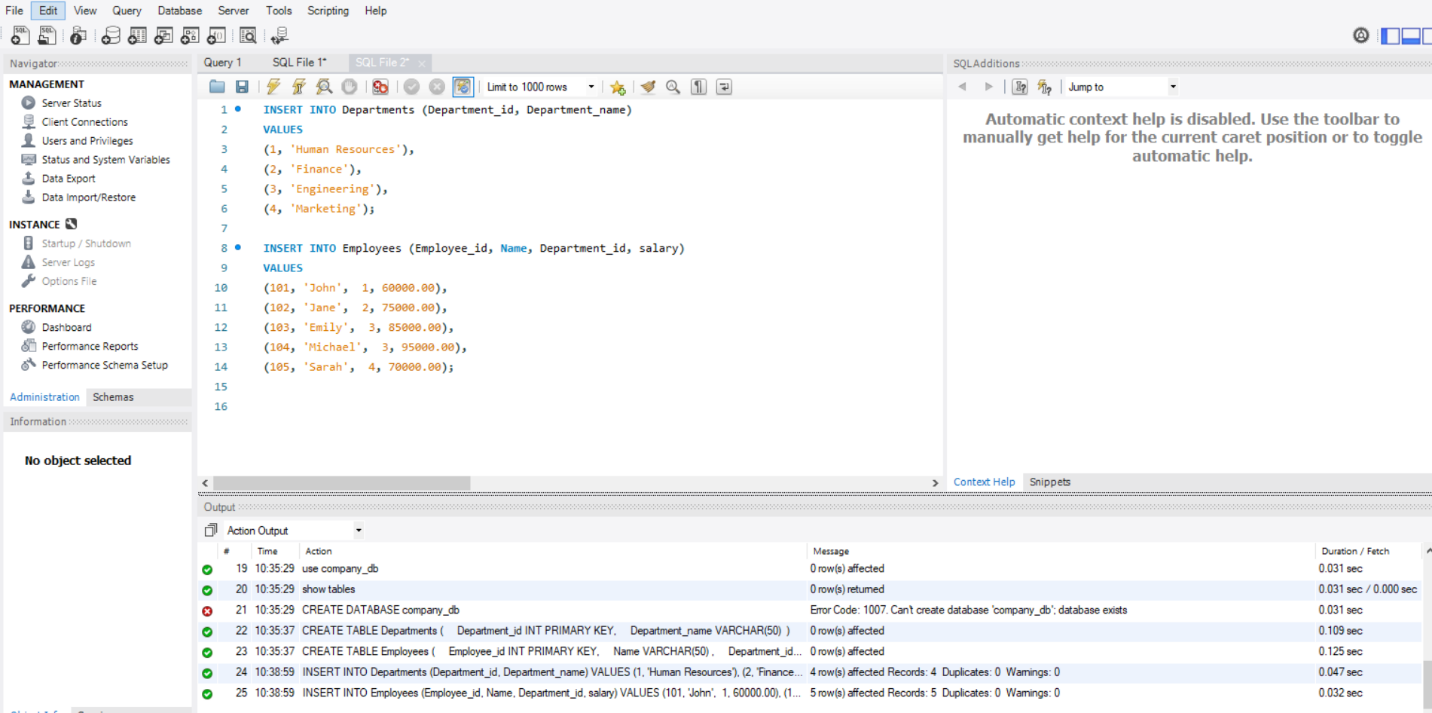
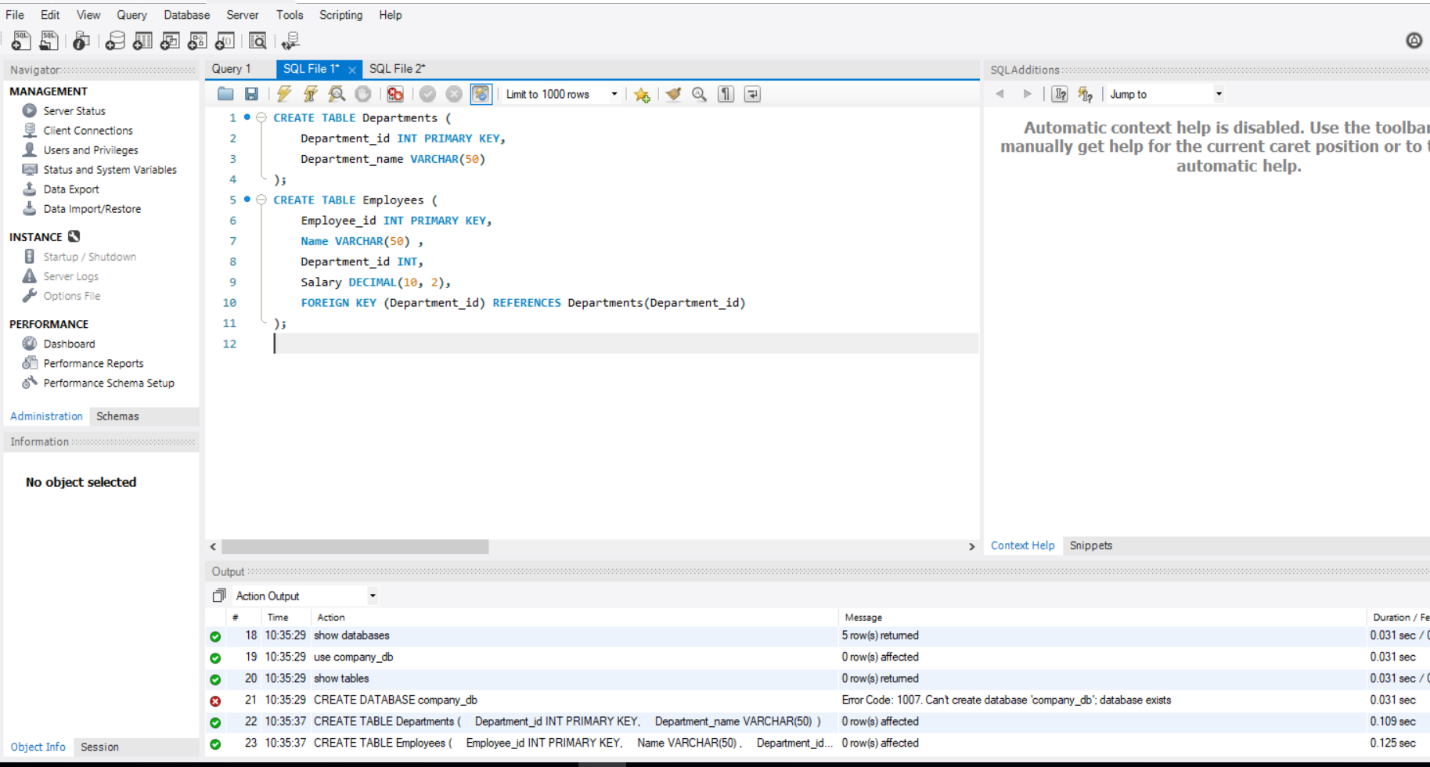
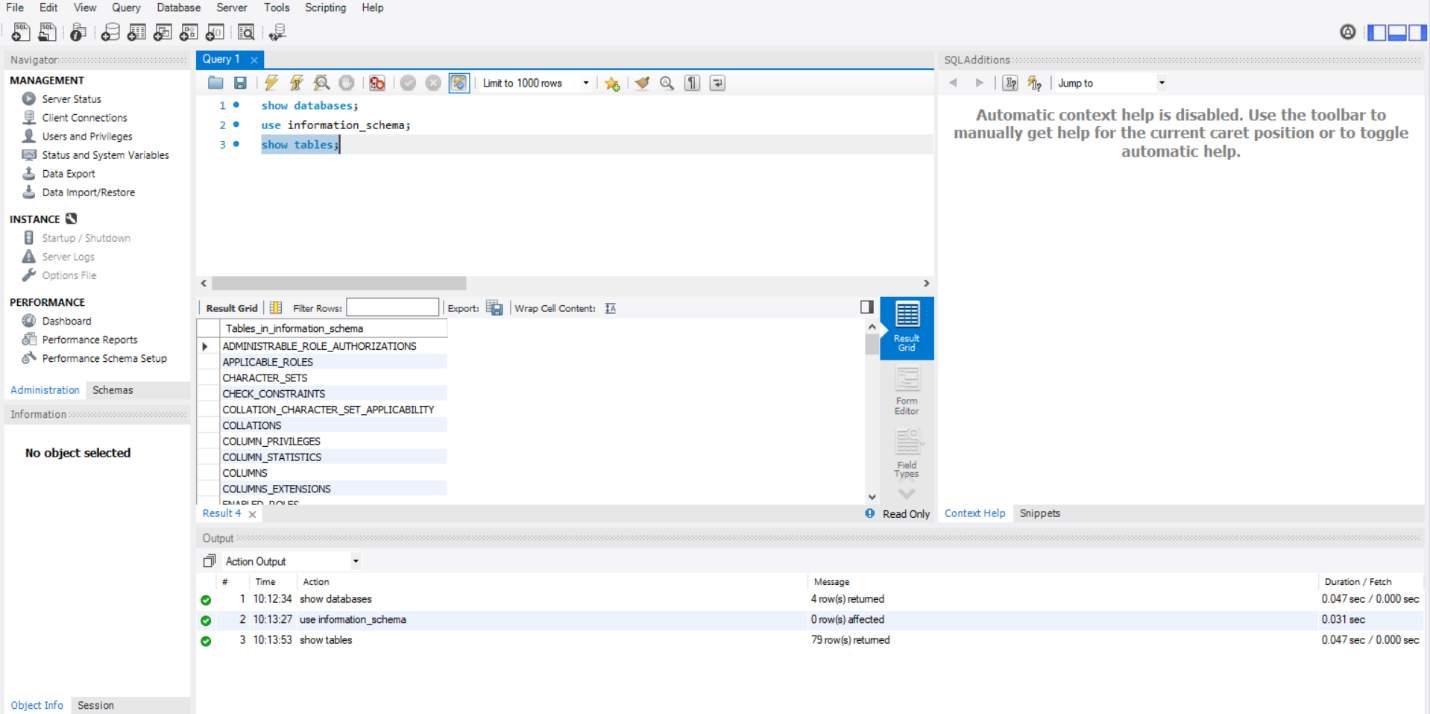
Configure automated backups and test restoring a database from a backup

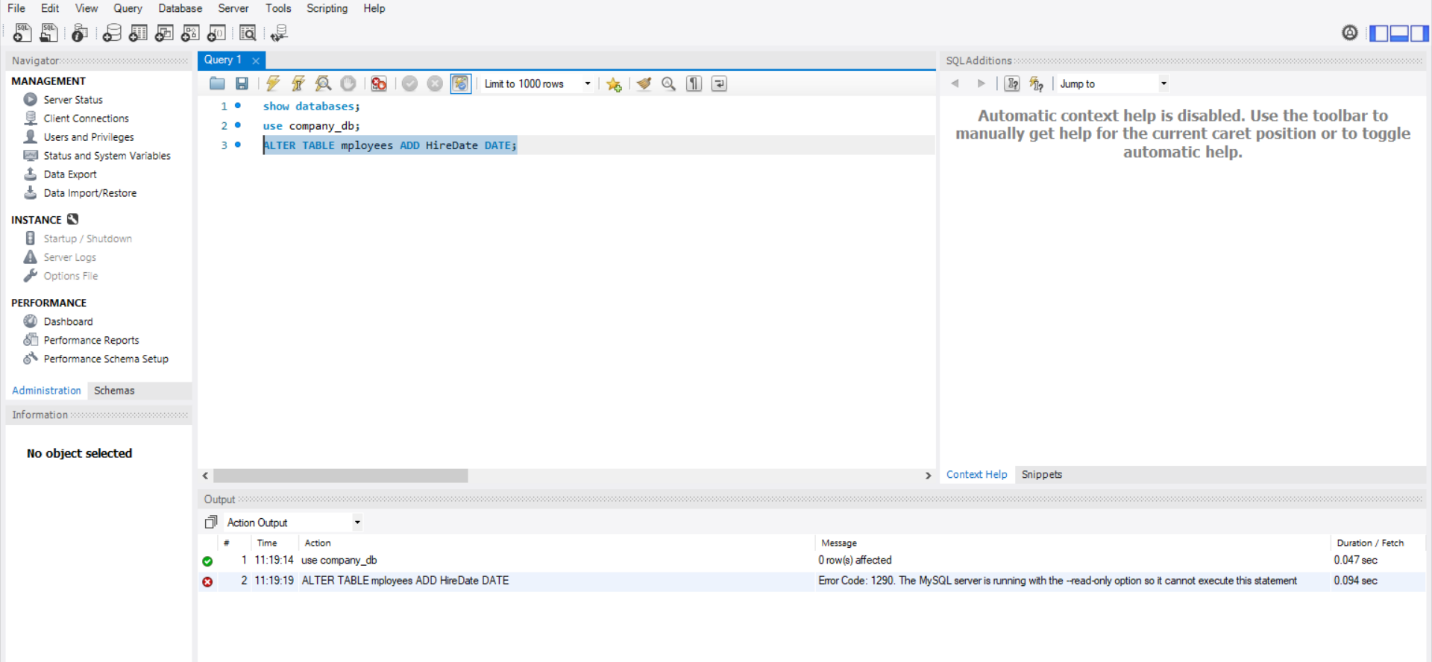
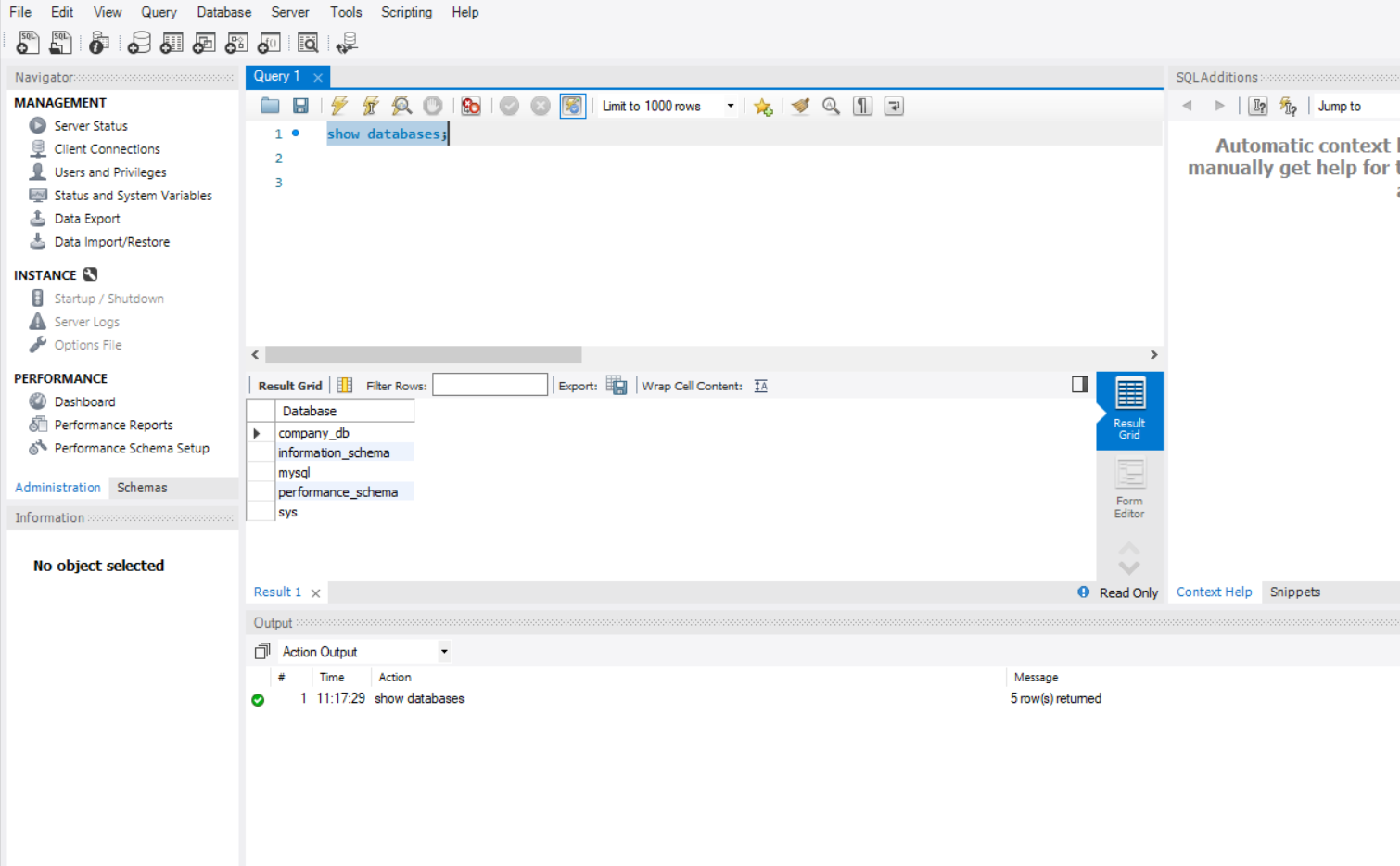
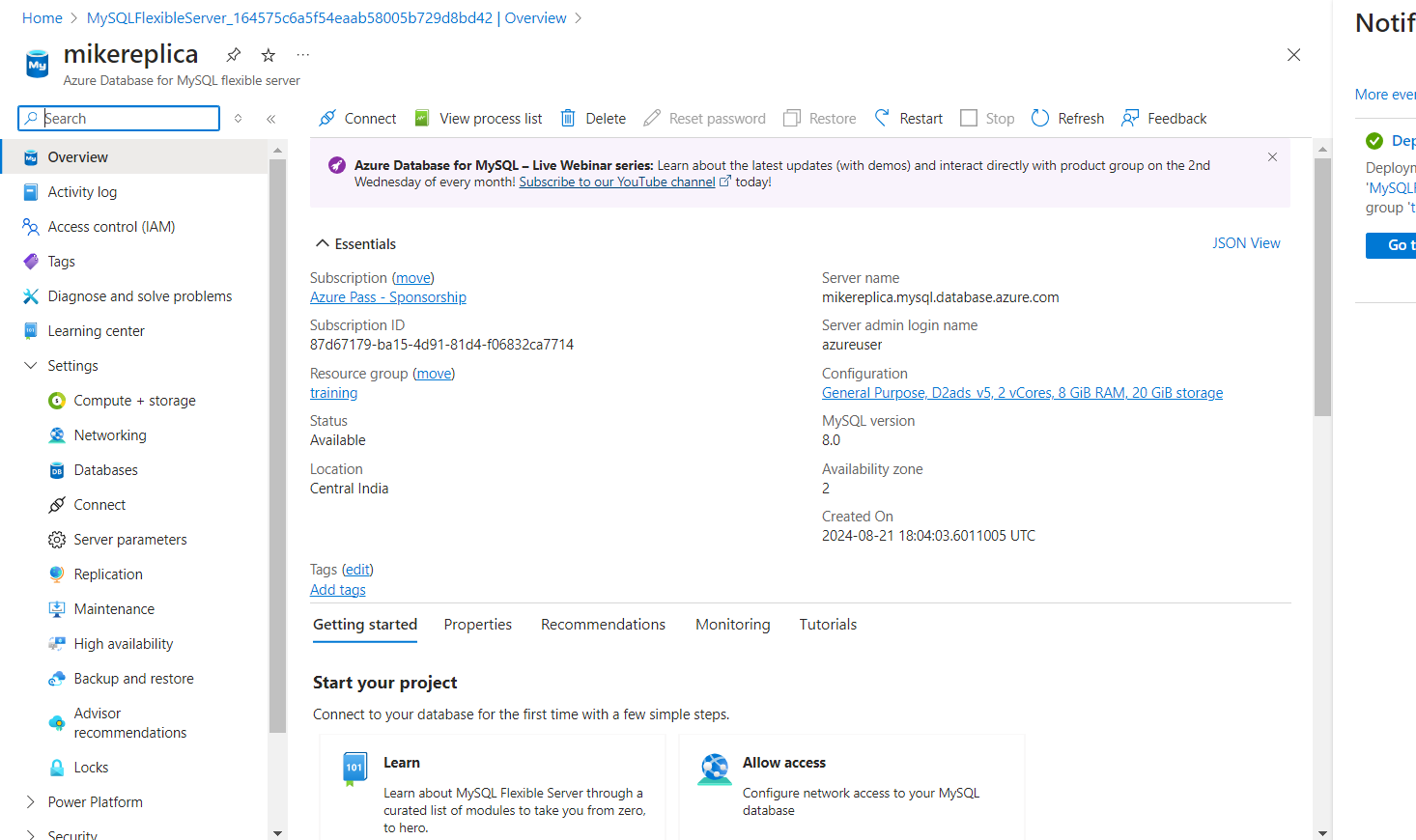
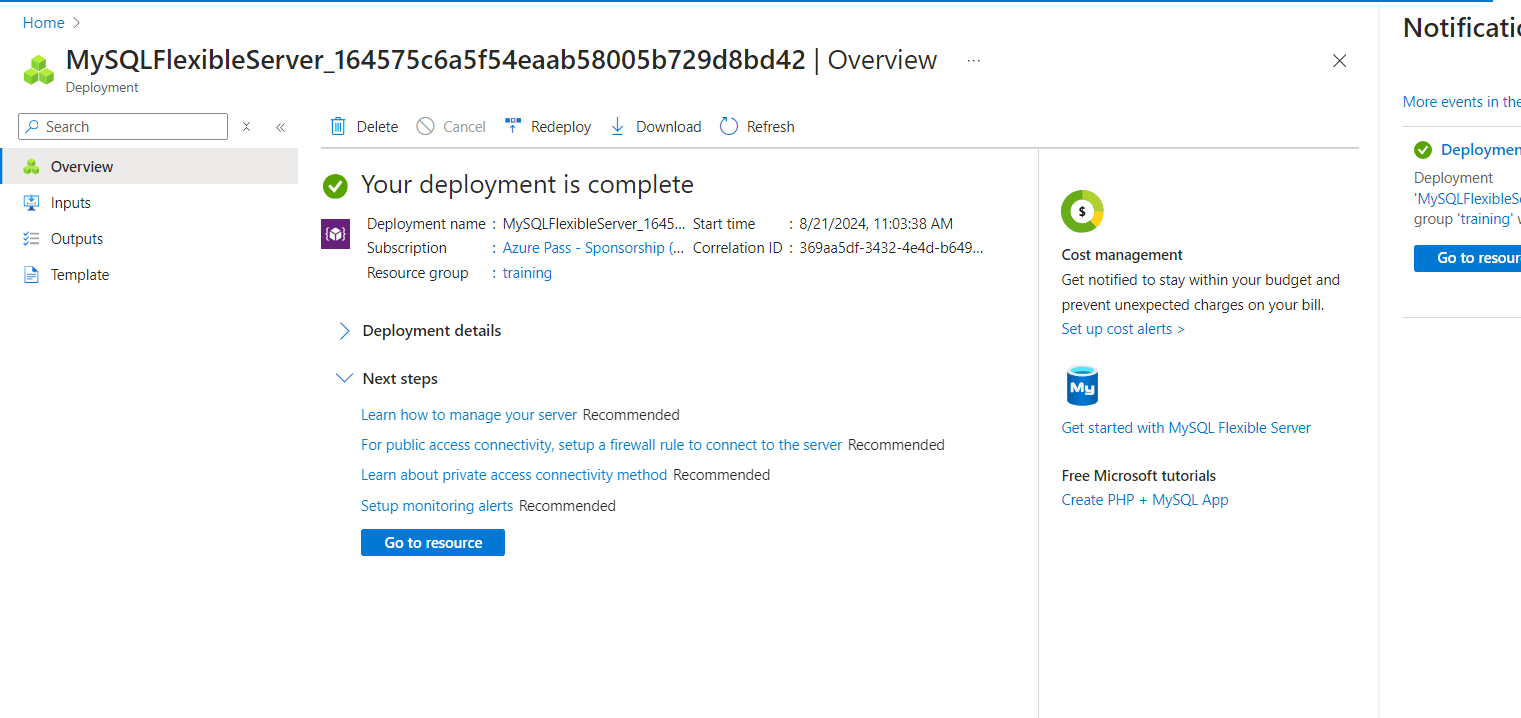
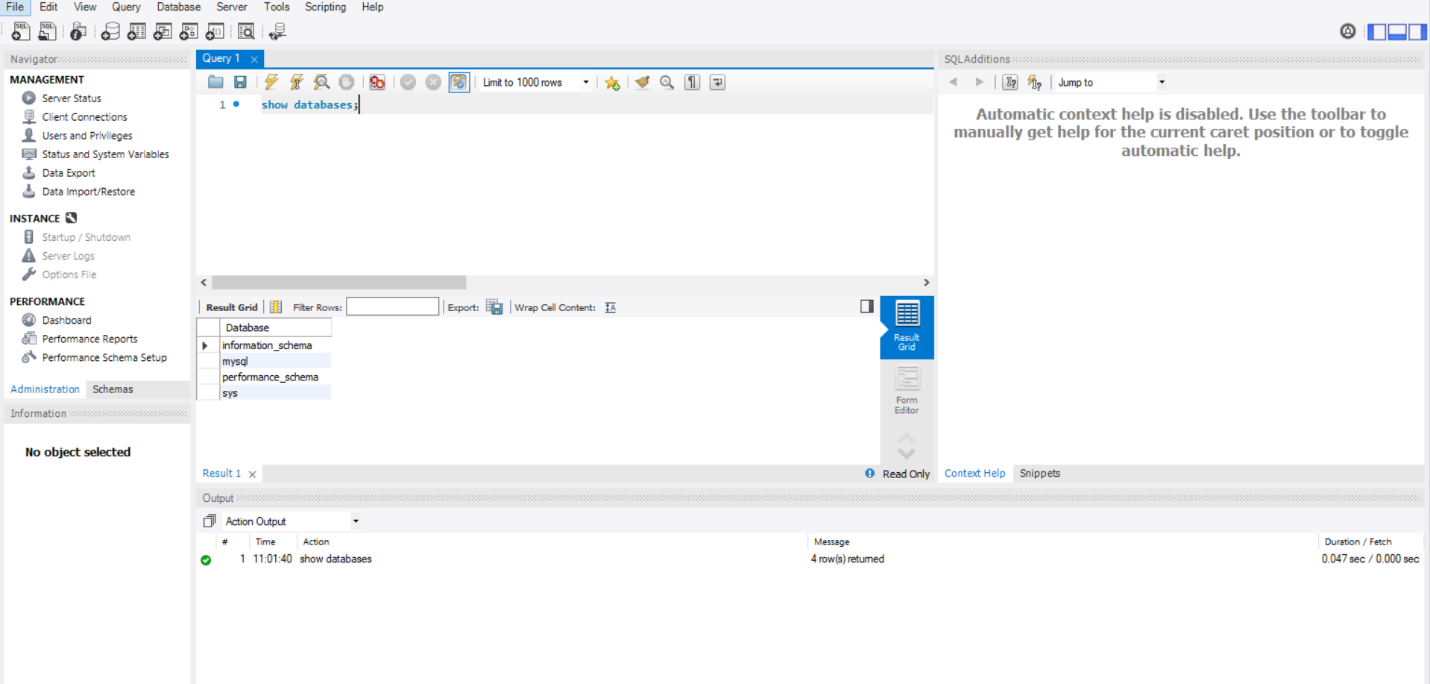
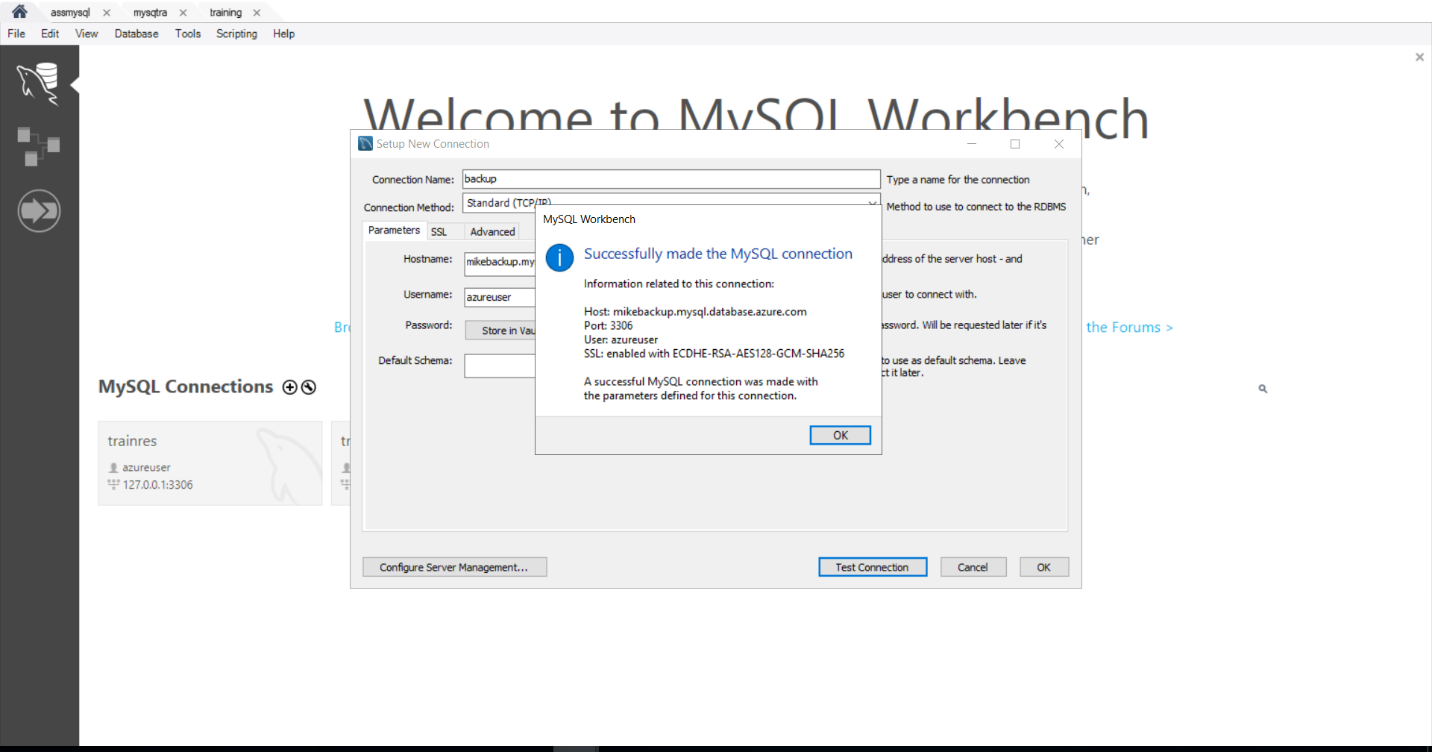
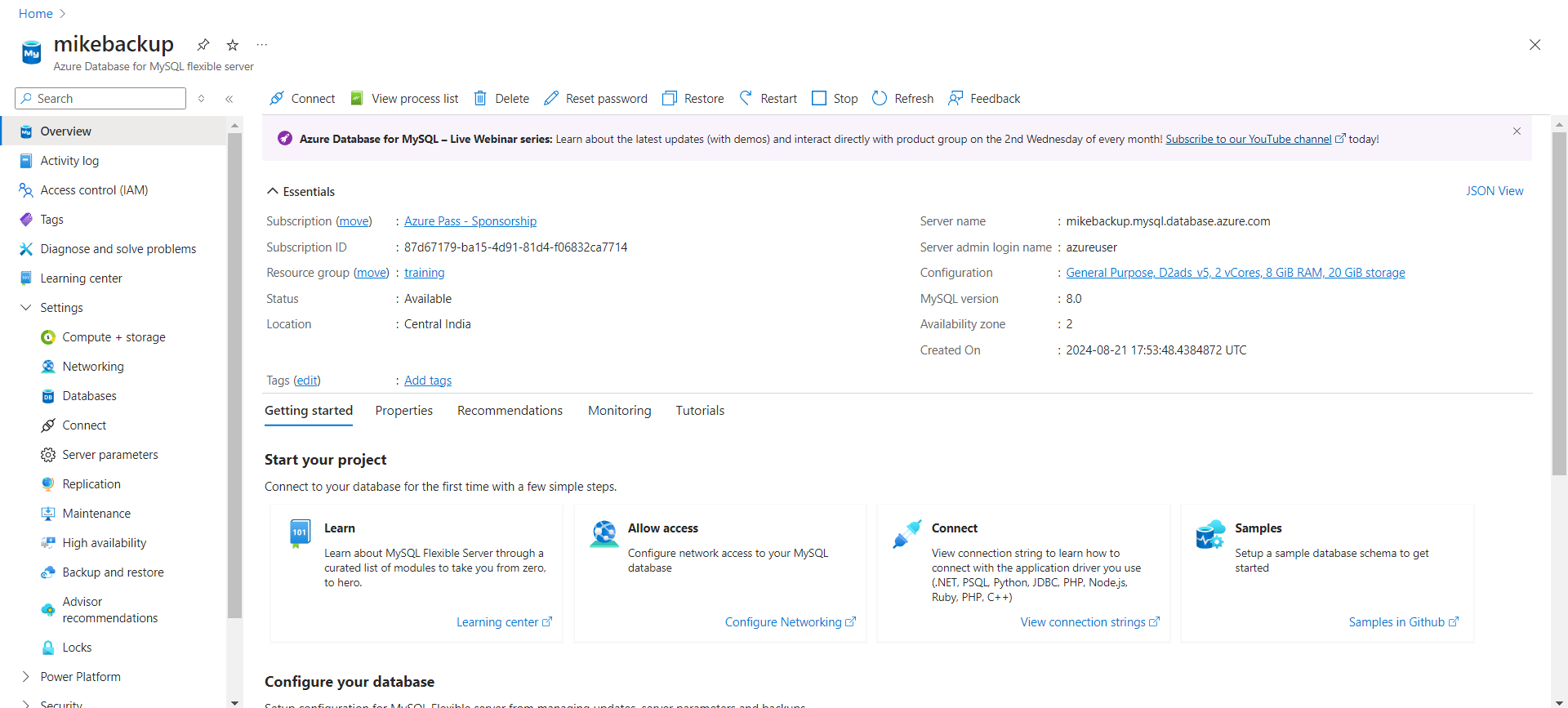
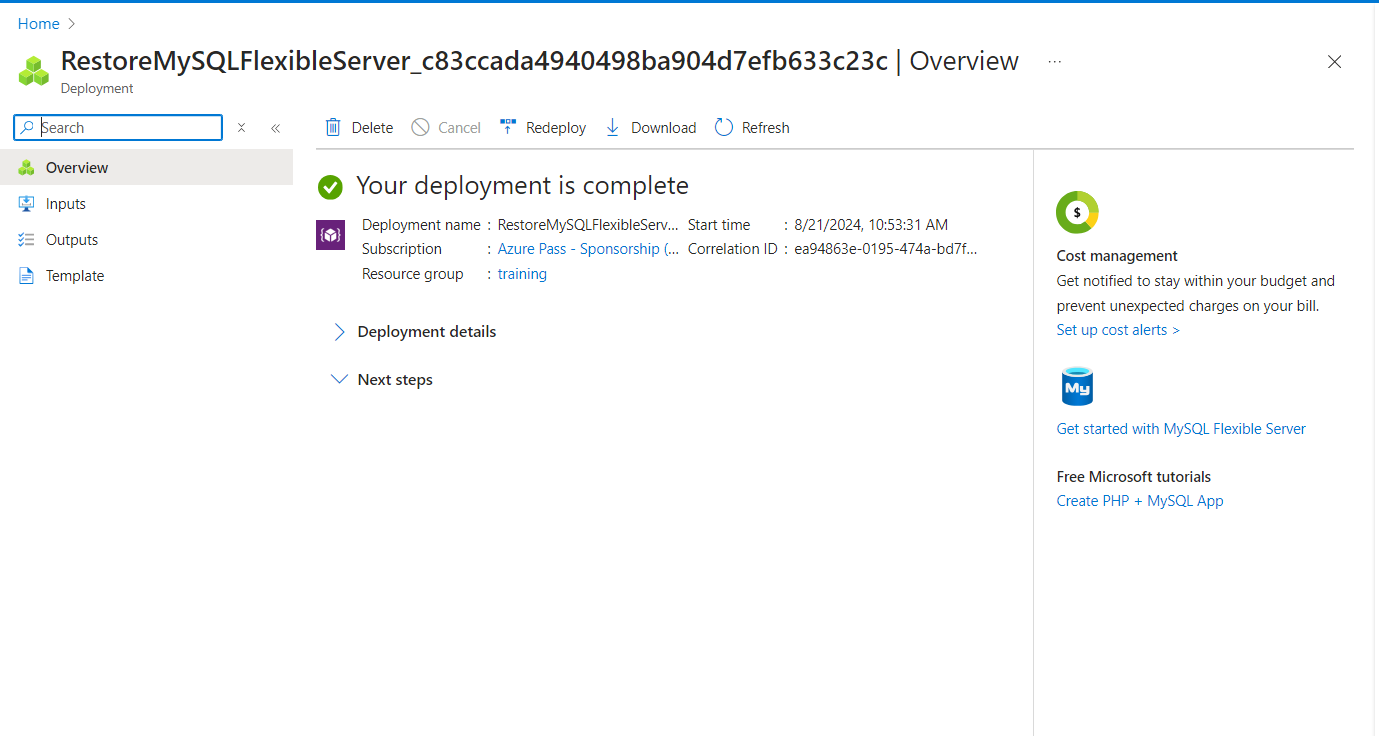
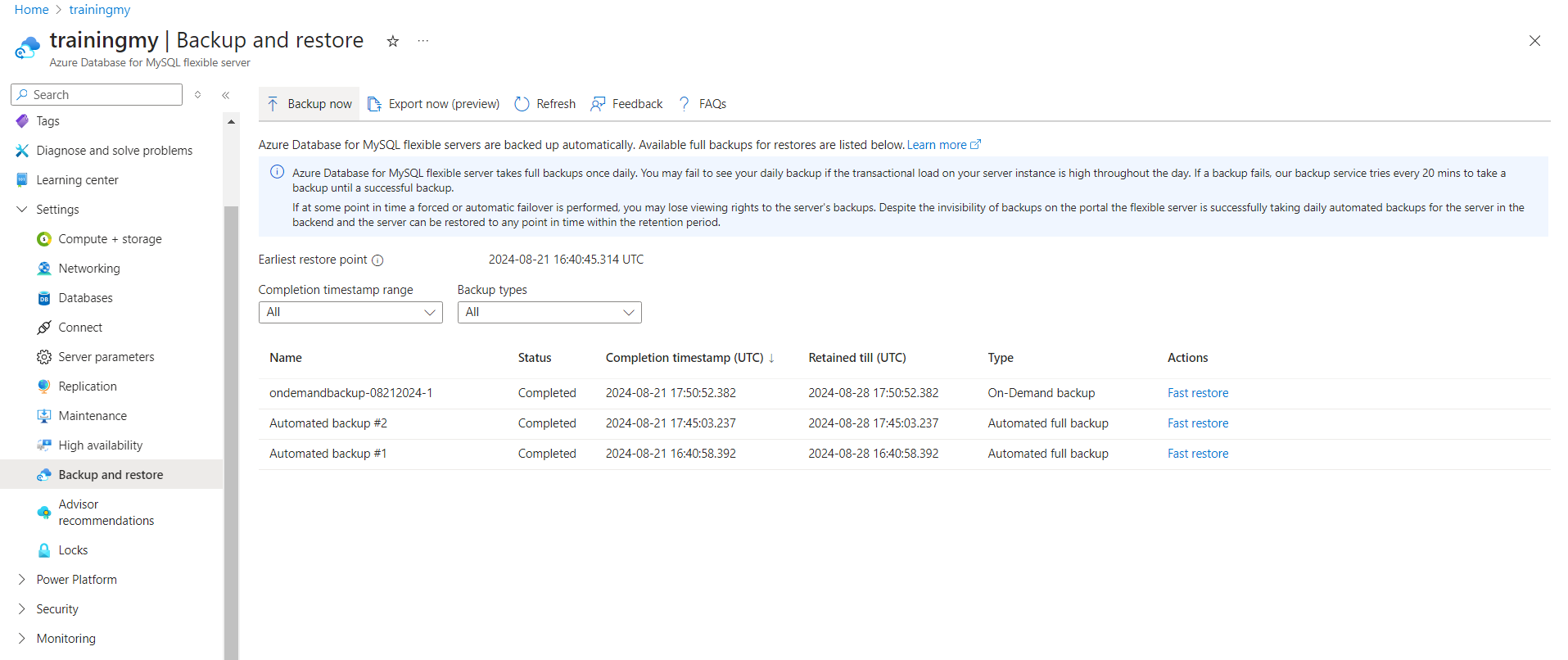
Set up and configure geo-replication to create readable secondary replicas in different regions.

A screenshot of a computer

Description automatically generated





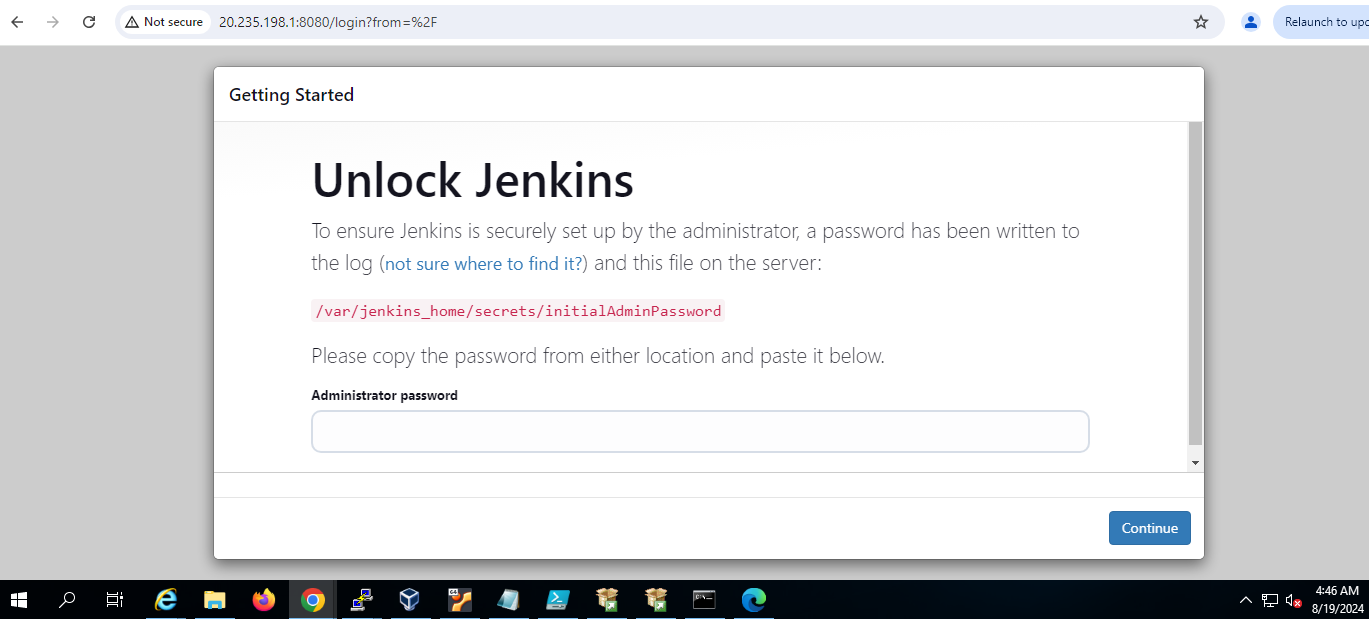
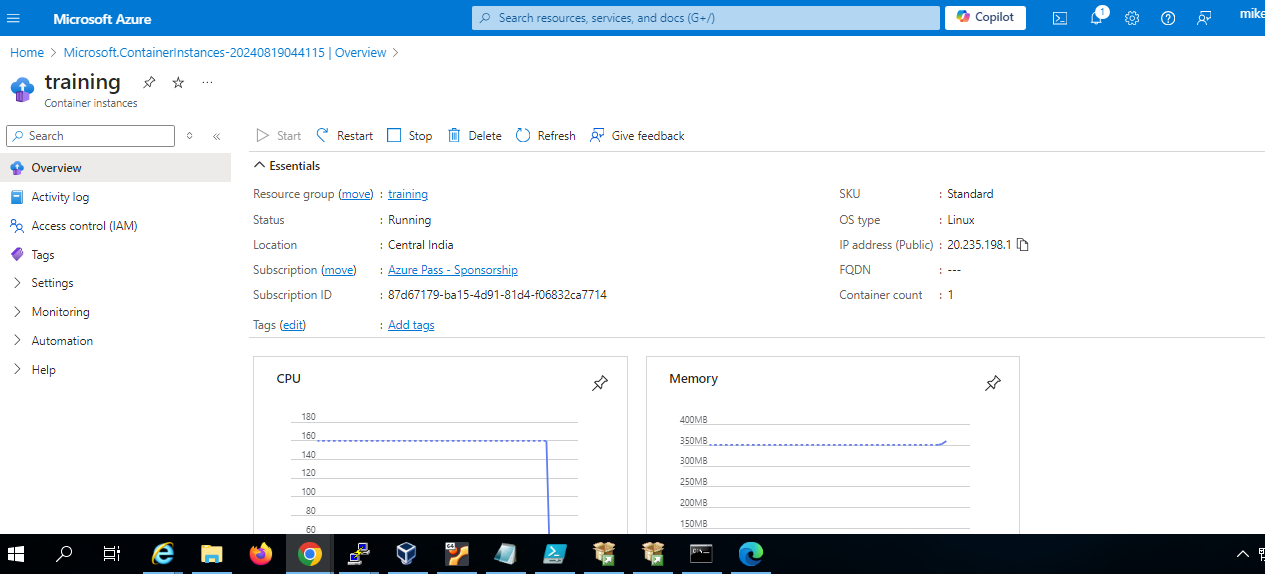


3) Host a jenkins image on azure container instance

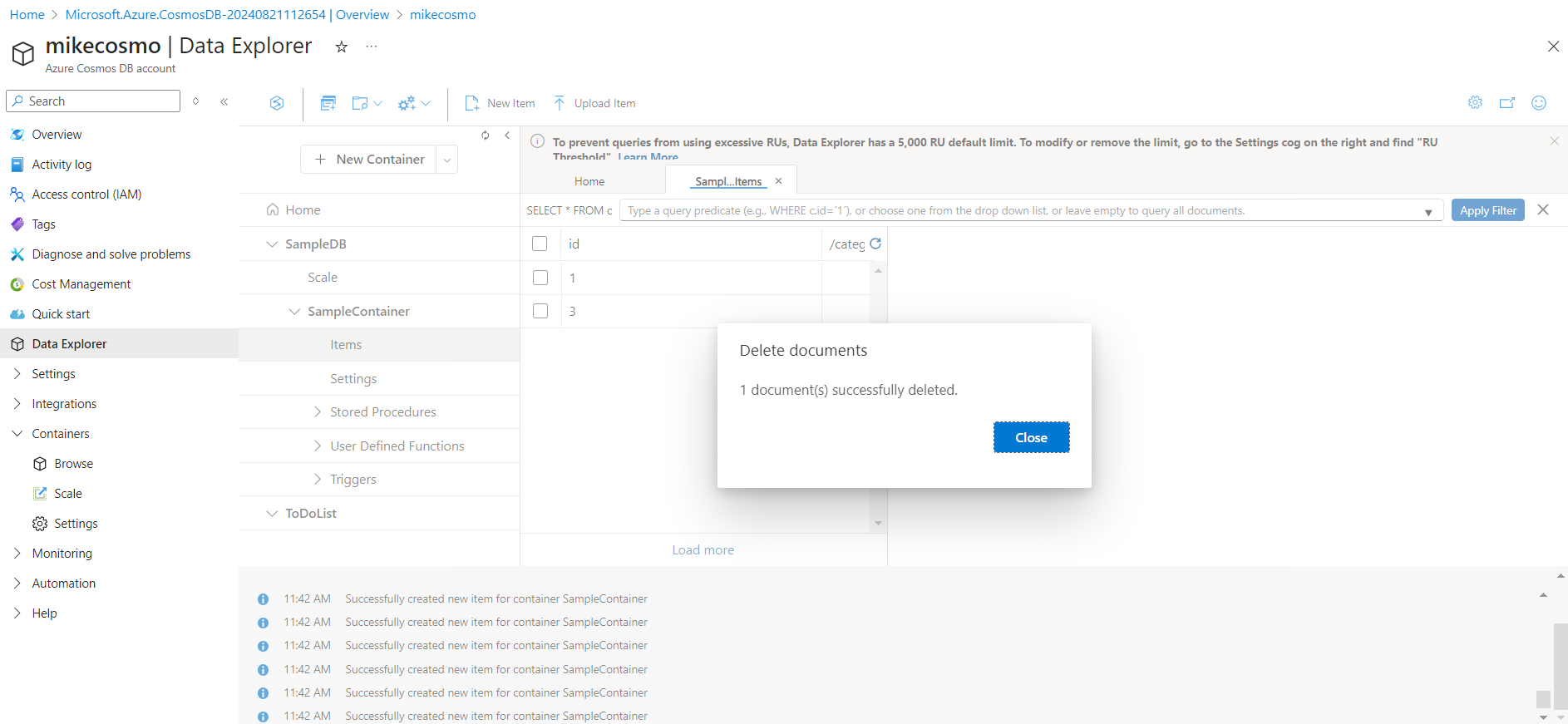
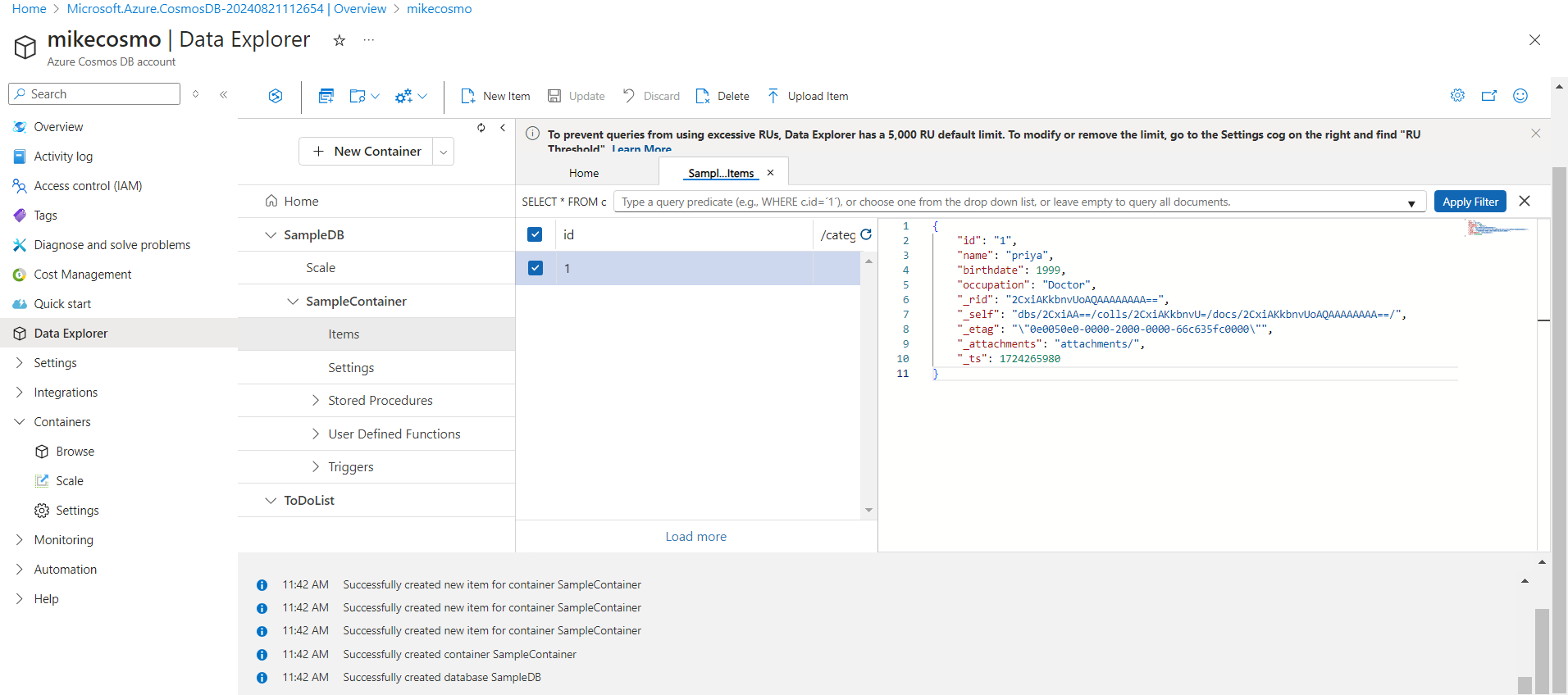
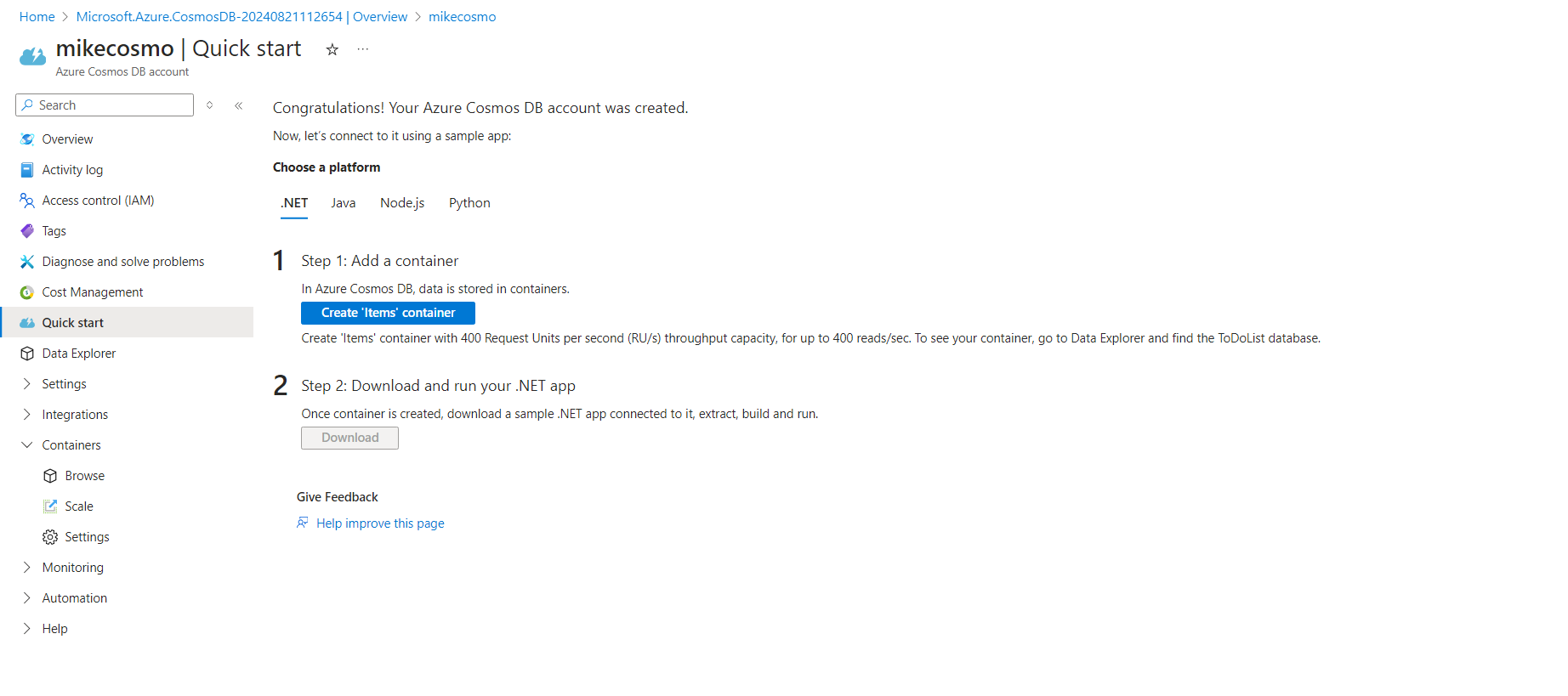
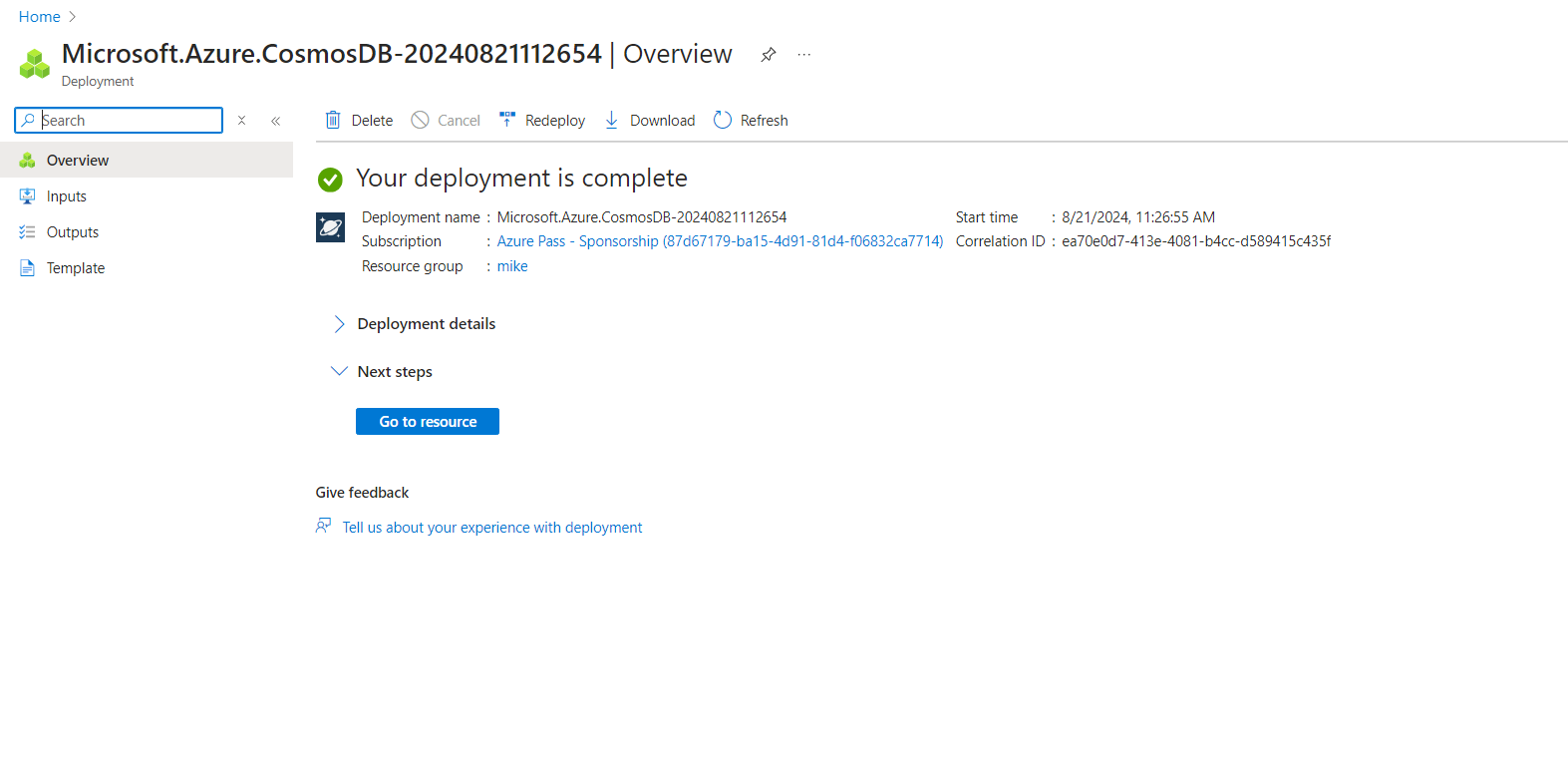
>create a container instance with image source as other registry and image as Jenkins/jenkins

>add port 8080 , TCP in networking

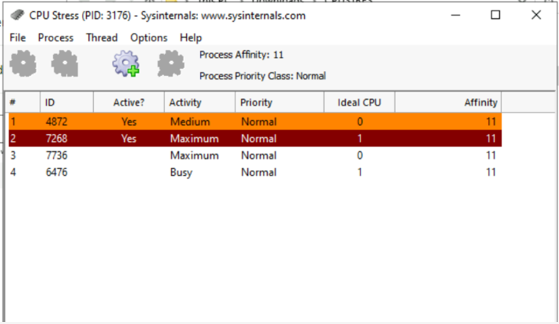
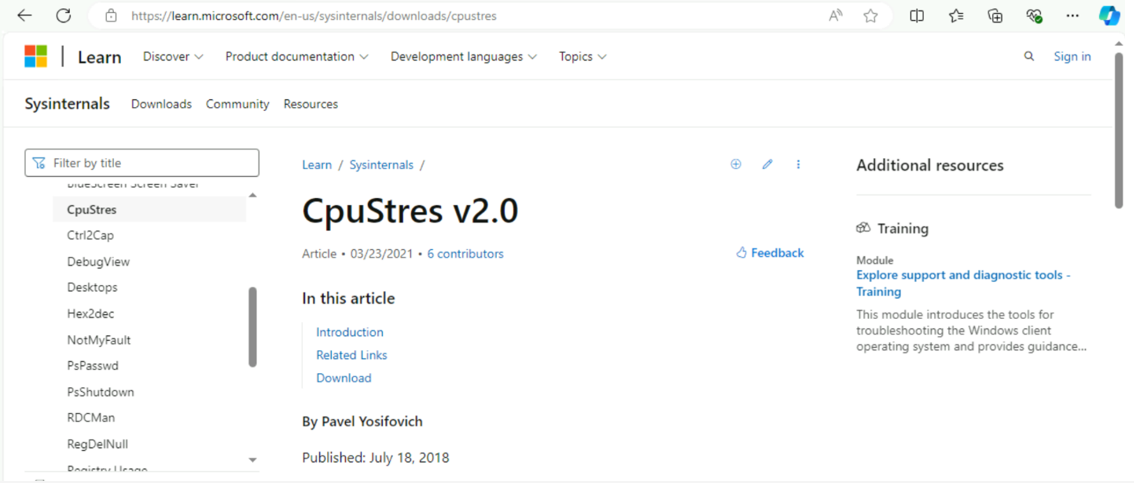
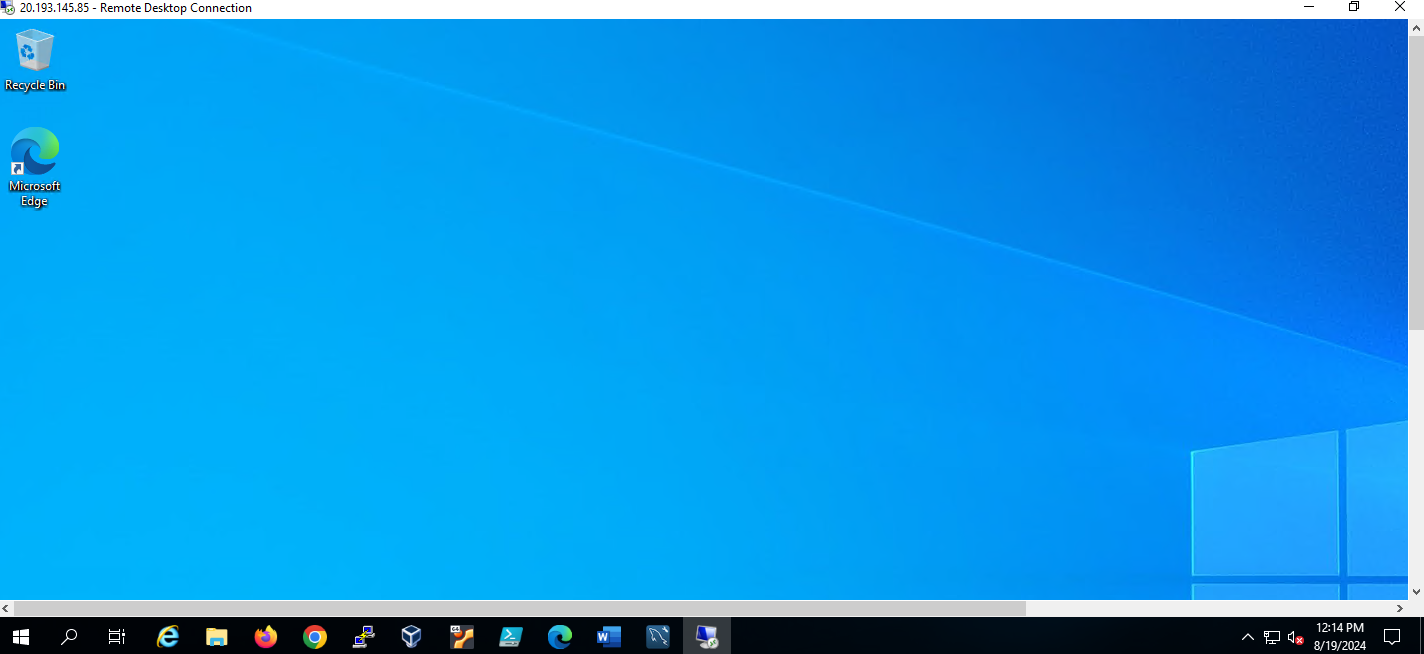
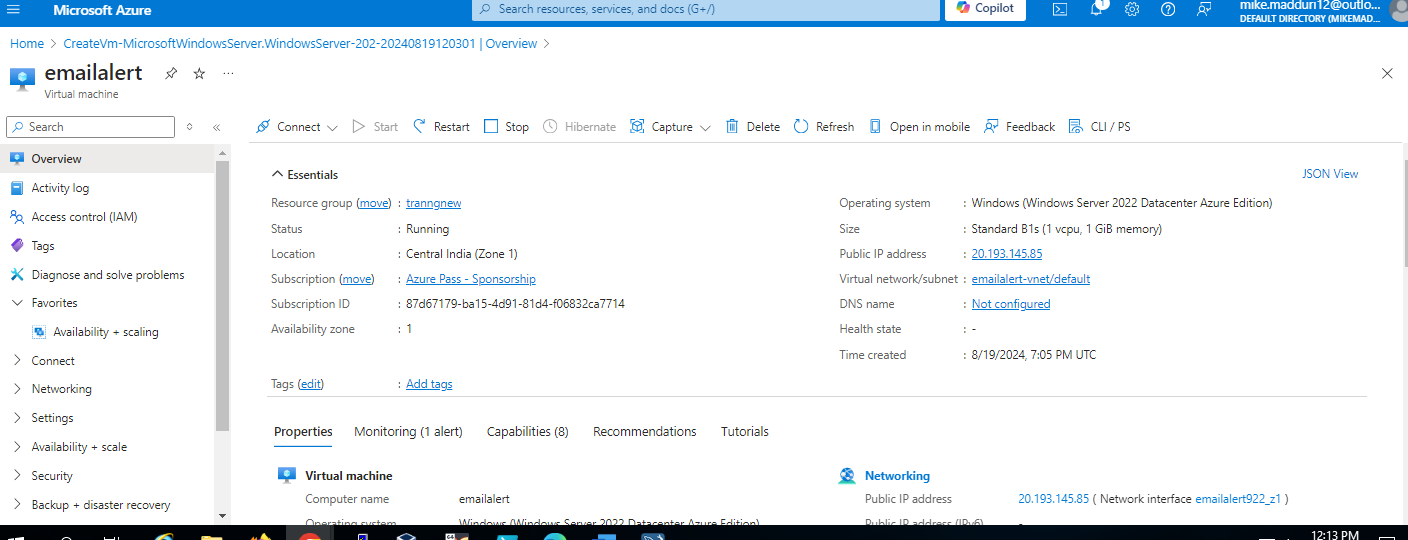
>after container is created copy the ip address and browse



4) Create and Configure a Cosmos DB Account and demonstrate CRUD (Create, Read, Update, Delete) operations.



5) Create a alert for the high cpu usage with email notification on windows server



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Description automatically generated