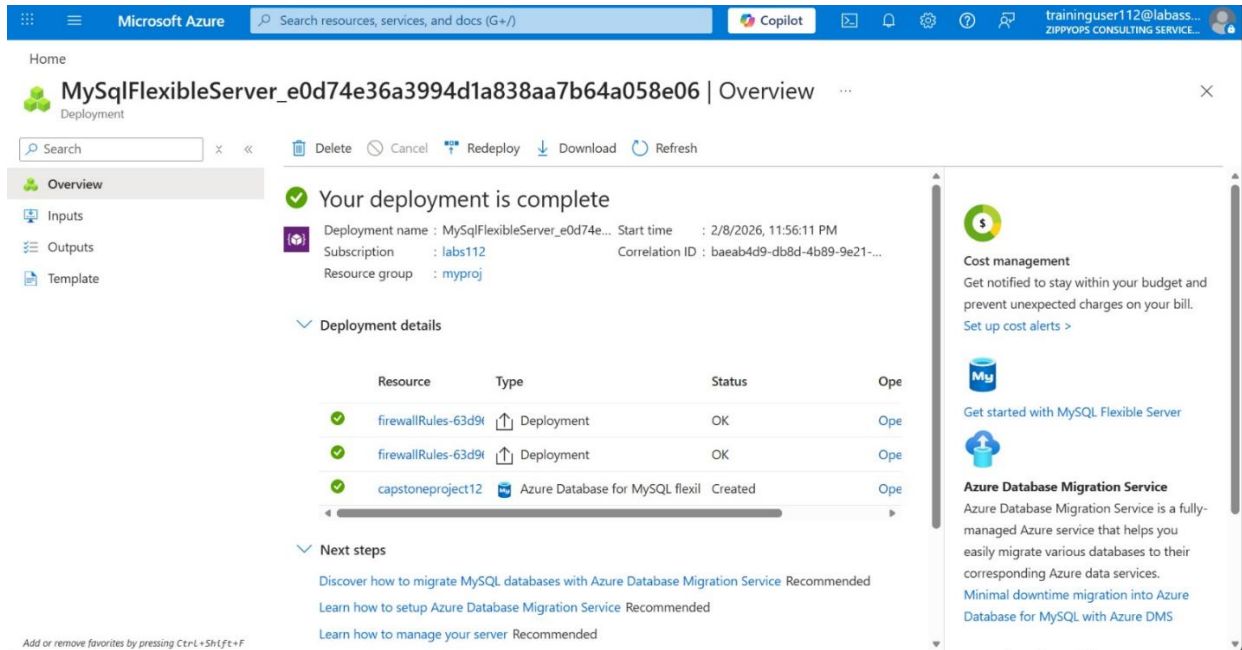


Employee Management System

Capstone Project BATCH 12

1. Creation of MySQLFlexibleServer:

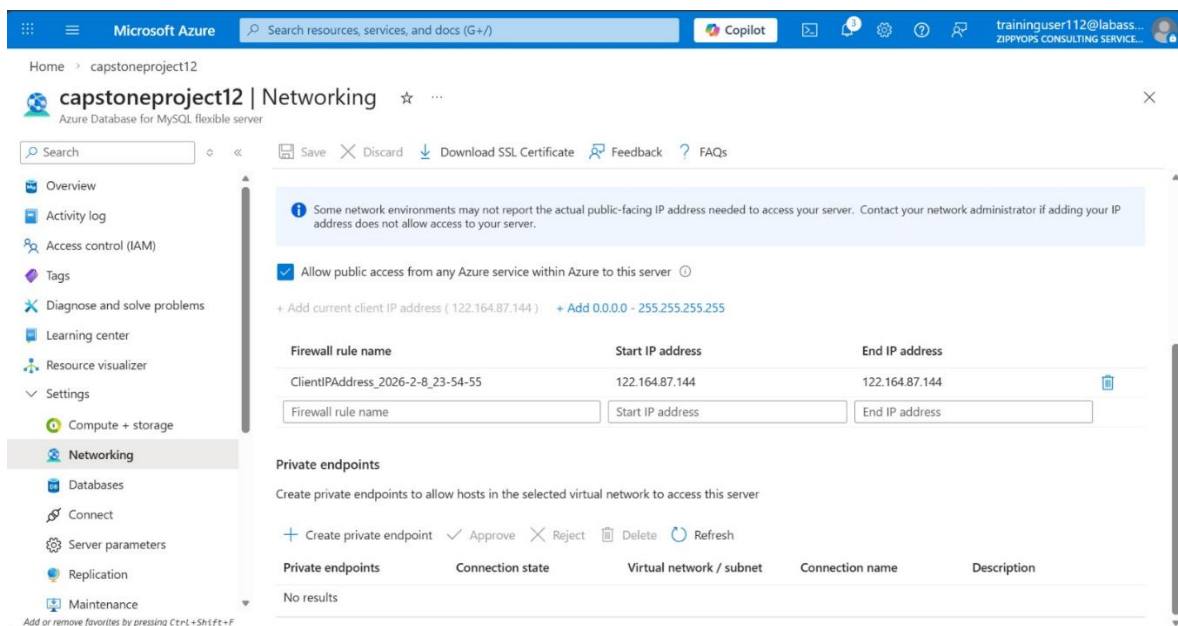


The screenshot shows the 'Overview' page for a deployment named 'MySQLFlexibleServer_e0d74e36a3994d1a838aa7b64a058e06'. The deployment is complete, with a status of 'OK' for the firewall rules and 'Created' for the database instance. The deployment details table is as follows:

Resource	Type	Status	Open
firewallRules-63d9f	Deployment	OK	Open
firewallRules-63d9f	Deployment	OK	Open
capstoneproject12	Azure Database for MySQL flexil	Created	Open

Next steps include: Discover how to migrate MySQL databases with Azure Database Migration Service Recommended, Learn how to setup Azure Database Migration Service Recommended, and Learn how to manage your server Recommended.

2. Creation of Capstone project:



The screenshot shows the 'Networking' page for the 'capstoneproject12' Azure Database for MySQL flexible server. The page displays the 'Allow public access from any Azure service within Azure to this server' checkbox, which is checked. Below this, there is a table for 'Firewall rule name' with columns for 'Start IP address' and 'End IP address'. The table shows a single rule named 'ClientIPAddress_2026-2-8_23-54-55' with a start IP of 122.164.87.144 and an end IP of 122.164.87.144. The 'Private endpoints' section shows 'No results'.

Firewall rule name	Start IP address	End IP address
ClientIPAddress_2026-2-8_23-54-55	122.164.87.144	122.164.87.144

3. Database for project Named employee_db:

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user profile 'traininguser112@labass...'. The main content area is titled 'capstoneproject12 | Databases' and shows a list of MySQL databases. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Learning center, Resource visualizer, Settings, Compute + storage, Networking, Databases (selected), Connect, Server parameters, Replication, and Maintenance.

Name ↑	Character set	Collation	Schema type
mysql	utf8mb4	utf8mb4_0900_...	System
information_schema	utf8mb3	utf8mb3_gener...	System
performance_schema	utf8mb4	utf8mb4_0900_...	System
sys	utf8mb4	utf8mb4_0900_...	System
product	utf8mb3	utf8mb3_gener...	User
employee_db	utf8mb4	utf8mb4_0900_...	User

4. Connecting to workbench:

The screenshot shows the Microsoft Azure portal interface, specifically the 'Connect' page for 'capstoneproject12'. The top navigation bar is the same as in the previous screenshot. The main content area is titled 'capstoneproject12 | Connect' and provides instructions for connecting to the MySQL database. The left sidebar is the same as in the previous screenshot.

password=(your-password)

[View All Databases](#)

Connect from browser or locally

MySQL Workbench

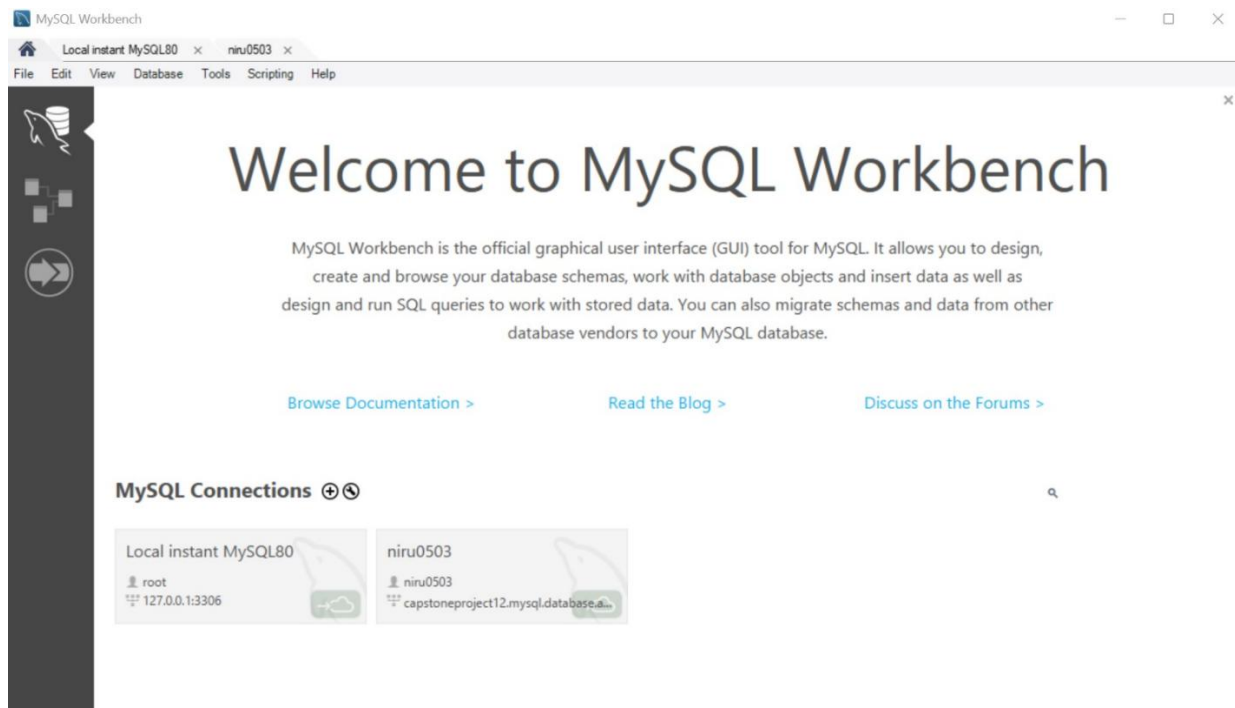
To connect with MySQL workbench client, follow the steps below.

1. Click the + symbol in the **MySQL Connections** tab to add a new connection.
2. Enter a name for the connection in the **Connection name** field.
3. Select **Standard (TCP/IP)** as the Connection Type.
4. Enter **capstoneproject12.mysql.database.azure.com** in hostname field.
5. Enter **niru0503** as username and then enter your **Password**.
6. Go to the **SSL tab** and update the Use SSL field to Require.
7. In the **SSL CA File** field, enter the file location of the **DigiCertGlobalRootCA.crt.pem** file.
8. Click **Test connection** to test the connection.
9. If the connection is successful, click **OK** to save the connection.

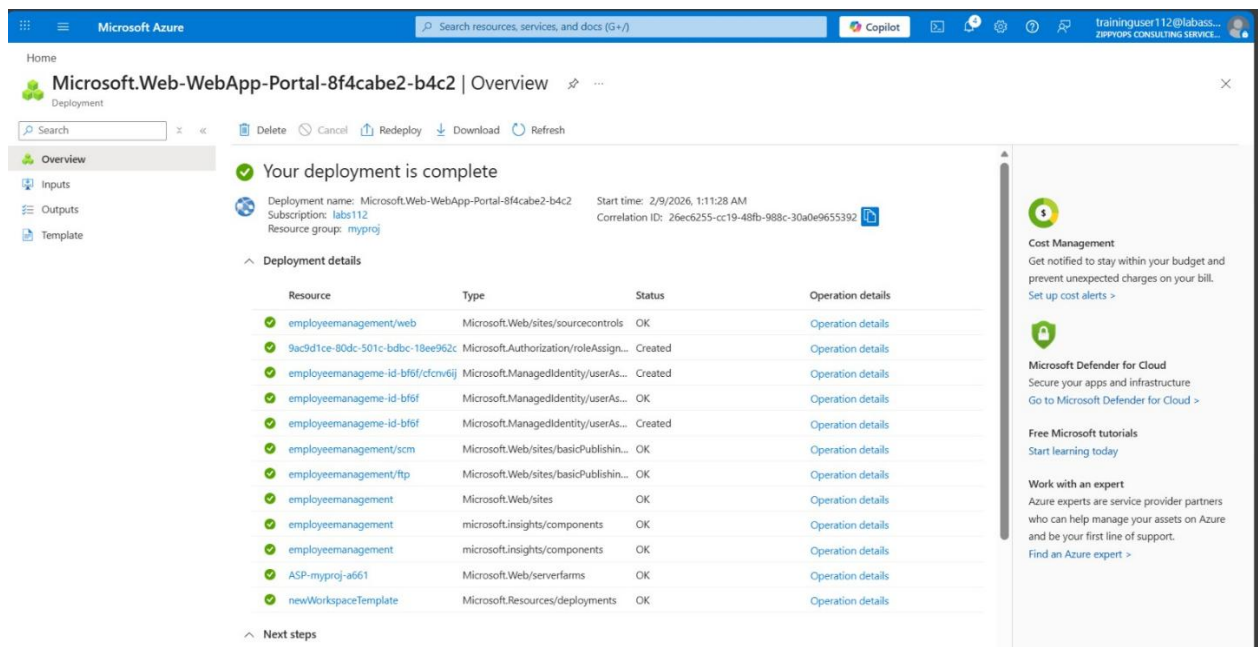
Import and export data

Connect from your app

5. Creating mysql connections with endpoints of Azure



6. WebApp:



7. Created Azure services:

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with the Microsoft Azure logo, a search bar, and a Copilot button. Below the navigation bar, there's a section titled "Azure services" with icons for "Create a resource", "Azure Database for MySQL...", "Resource groups", "Subscriptions", "Subscriptions", "Azure OpenAI", "Microsoft Foundry", "AI Search", "Virtual machines", and "More services". Below this, there's a section titled "Resources" with tabs for "Recent" and "Favorite". The "Recent" tab is active, showing a table of resources.

Name	Type	Last Viewed
employeemanagement	App Service	2 minutes ago
employeemanagement	Application Insights	2 minutes ago
employeemanageme-id-bf6f	Managed Identity	2 minutes ago
ASP-myproj-a661	App Service plan	2 minutes ago
DefaultWorkspace-df768c9a-a17d-4609-b044-b9cc6c8f9ea5-CUS	Log Analytics workspace	2 minutes ago
myproj	Resource group	5 minutes ago
capstoneproject12	Azure Database for MySQL flexible server	55 minutes ago
labs112	Subscription	4 days ago

See all

8. Deploying project in github:

The screenshot shows the GitHub Actions interface for the repository "niru0503 / capstoneproject12". The "Actions" tab is selected, showing a list of workflow runs. The "All workflows" section is active, displaying a list of workflow runs. The first workflow run is "Add or update the Azure App Service build and depl..." with a status of "main" and a completion time of "2 minutes ago".

Build and deploy JAR app to Azure W...

Management

- Caches
- Attestations
- Runners
- Usage metrics
- Performance metrics

All workflows

Showing runs from all workflows

1 workflow run

Event Status Branch Actor

✓ Add or update the Azure App Service build and depl... main 2 minutes ago ...

Build and deploy JAR app to Azure Web App - employeemanagement

#1: Commit afb6803 pushed by niru0503

9. Azure App service build and deployment workflow configuration:

The screenshot shows the GitHub Actions interface for a workflow named "Add or update the Azure App Service build and deployment workflow config #1". The workflow is triggered by a push to the main branch. The status is "Success" with a total duration of 2m 11s and 1 artifact produced. The workflow steps are "build" (1m 19s) and "deploy" (48s). The workflow file is named "main_employeeemanagement.yml".

Build and deploy JAR app to Azure Web App - employeeemanagement

✓ Add or update the Azure App Service build and deployment workflow config #1

Summary

All jobs

build

deploy

Run details

Usage

Workflow file

Triggered via push 16 hours ago

niru0503 pushed -> afb6803 main

Status: Success

Total duration: 2m 11s

Artifacts: 1

main_employeeemanagement.yml

on: push

build (1m 19s)

deploy (48s)

Artifacts

Produced during runtime

10. Live Employee API Response from Azure Web App Service:

```
Pretty-print
{"success":true,"message":"Employee retrieved successfully","data":
{"firstName":"John","lastName":"Doe","emailId":"john.doe@example.com","department":"Marketing","id":5},"timestamp":"2026-02-09T11:10:57.5932421"}
```