

Employee Management System

Capstone Project BATCH 12

1. Creation of MySqlFlexibleServer:

MySqlFlexibleServer_e0d74e36a3994d1a838aa7b64a058e06 | Overview

Your deployment is complete

Resource	Type	Status	Op
firewallRules-63d9f	Deployment	OK	Ope
firewallRules-63d9f	Deployment	OK	Ope
capstoneproject12	Azure Database for MySQL flexi	Created	Ope

Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >

Get started with MySQL Flexible Server

Azure Database Migration Service
Azure Database Migration Service is a fully-managed Azure service that helps you easily migrate various databases to their corresponding Azure data services.
Minimal downtime migration into Azure Database for MySQL with Azure DMS

2. Creation of Capstone project:

capstoneproject12 | Networking

Allow public access from any Azure service within Azure to this server

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

Private endpoints

Private endpoints	Connection state	Virtual network / subnet	Connection name	Description
No results				

3. Database for project Named employee_db:

The screenshot shows the Microsoft Azure Databases page for the 'capstoneproject12' MySQL flexible server. The left sidebar has 'Databases' selected. The main area displays a table of databases with the following data:

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

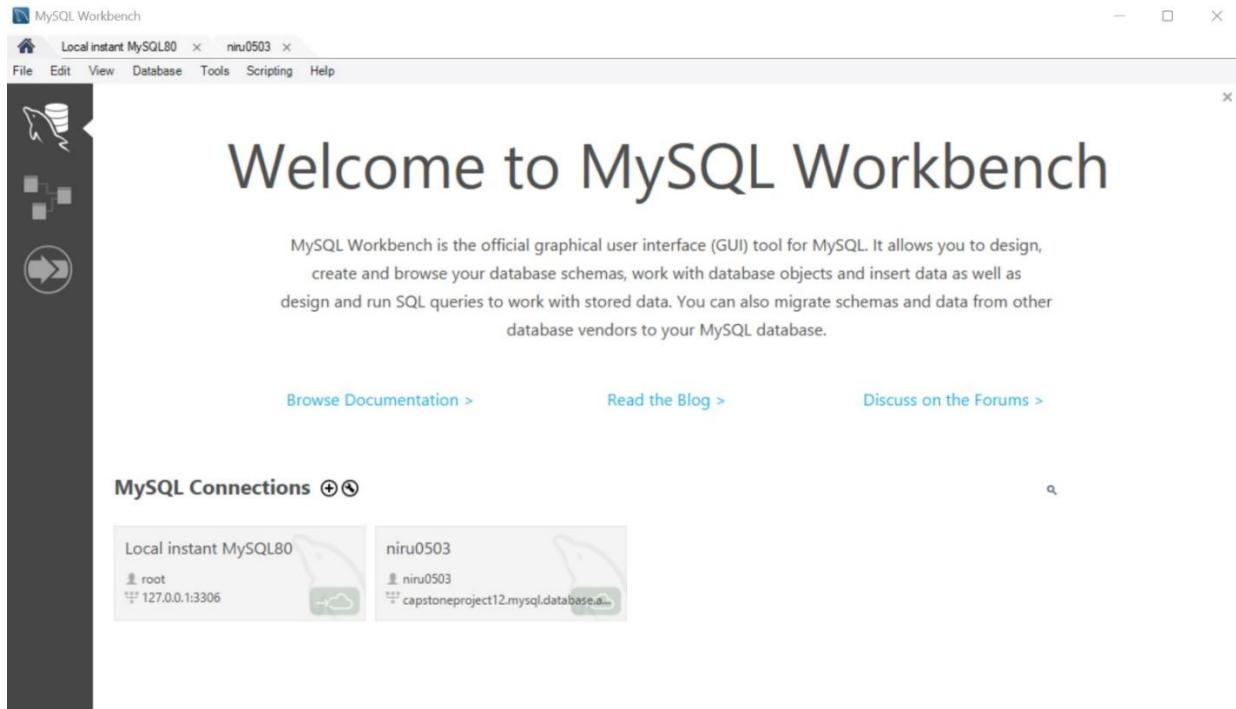
4. Connecting to workbench:

The screenshot shows the Microsoft Azure Connect page for the 'capstoneproject12' MySQL flexible server. The left sidebar has 'Connect' selected. The main area contains instructions for connecting via 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.

5. Creating mysql connections with endpoints of Azure



6. WebApp:

The screenshot shows the Microsoft Azure portal's "Overview" page for a web application. At the top, there's a search bar and a Copilot button. The main header says "Microsoft.Web-WebApp-Portal-8f4cabe2-b4c2 | Overview". Below the header, there's a summary section with a green checkmark indicating "Your deployment is complete". It shows deployment details like "Deployment name: Microsoft.Web-WebApp-Portal-8f4cabe2-b4c2", "Subscription: lab112", "Resource group: myproj", and "Start time: 2/9/2026, 1:11:28 AM". To the right of this summary, there are several promotional cards: "Cost Management" (with a link to "Set up cost alerts >"), "Microsoft Defender for Cloud" (with a link to "Secure your apps and infrastructure Go to Microsoft Defender for Cloud >"), "Free Microsoft tutorials" (with a link to "Start learning today"), and "Work with an expert" (with a link to "Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support Find an Azure expert >"). On the left, there's a sidebar with "Overview" selected, along with "Inputs", "Outputs", and "Template" options. A table below the summary lists deployment details for various resources, each with a status of "OK" and a "Operation details" link. The table includes rows for "employeemanagement/web", "employeemanagement-id-bf0f", "employeemanagement-id-bf0f", "employeemanagement-id-bf0f", "employeemanagement/scm", "employeemanagement/ftp", "employeemanagement", "employeemanagement", "employeemanagement", "employeemanagement", "ASP-myproj-a661", and "newWorkspaceTemplate".

7. Created Azure services:

The screenshot shows the Microsoft Azure portal interface. At the top, there's a navigation bar with icons for Copilot, AI, Settings, Help, and a user profile. The main header says "Microsoft Azure" and has a search bar. Below the header, the title "Azure services" is displayed. A row of service icons includes "Create a resource" (plus sign), "Azure Database for MySQL...", "Resource groups", "Subscriptions", "Azure OpenAI", "Microsoft Foundry", "AI Search", "Virtual machines", and "More services". The "Resources" section follows, with tabs for "Recent" and "Favorite". It lists various resources with their names, types, and last viewed times. Resources listed include "employeemanagement" (App Service, 2 minutes ago), "employeemanagement" (Application Insights, 2 minutes ago), "employeemanagement-id-bf6f" (Managed Identity, 2 minutes ago), "ASP-myproj-a661" (App Service plan, 2 minutes ago), "DefaultWorkspace-df768c9a-a17d-4609-b044-b9cc6c0f9ea5-CUS" (Log Analytics workspace, 2 minutes ago), "myproj" (Resource group, 5 minutes ago), "capstoneproject12" (Azure Database for MySQL flexible server, 55 minutes ago), and "labs112" (Subscription, 4 days ago). A "See all" link is at the bottom of the list.

8. Deploying project in github:

The screenshot shows the GitHub Actions page for the repository "niru0503 / capstoneproject12". The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The "Actions" tab is selected. On the left, a sidebar shows management options like Caches, Attestations, Runners, Usage metrics, and Performance metrics. The main area displays "All workflows" with a search bar and a "Filter workflow runs" button. A callout box encourages users to "Help us improve GitHub Actions" with three quick questions, with a "Give feedback" button. Below this, a "1 workflow run" card is shown. The card details a successful run of the "Add or update the Azure App Service build and dep..." workflow. The run was triggered by a commit from the "main" branch, pushed by "niru0503" (#1: Commit afb6803). The run completed 2 minutes ago with a duration of 2m 11s. There are also "Event", "Status", "Branch", and "Actor" dropdown filters.

9. Azure App service build and deployment workflow configuration:

The screenshot shows the GitHub Actions interface for a repository named 'capstoneproject12'. The workflow 'main_employeemanagement.yml' has completed successfully. The summary card indicates it was triggered via push 16 hours ago, the status is Success, the total duration was 2m 11s, and there was 1 artifact produced. The workflow graph shows two steps: 'build' (1m 19s) and 'deploy' (48s), both of which were successful. Artifacts were produced during runtime.

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

The screenshot displays a JSON response from an API. The response is as follows:

```
{"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"}
```