Connecting cloud database to Api

SOA

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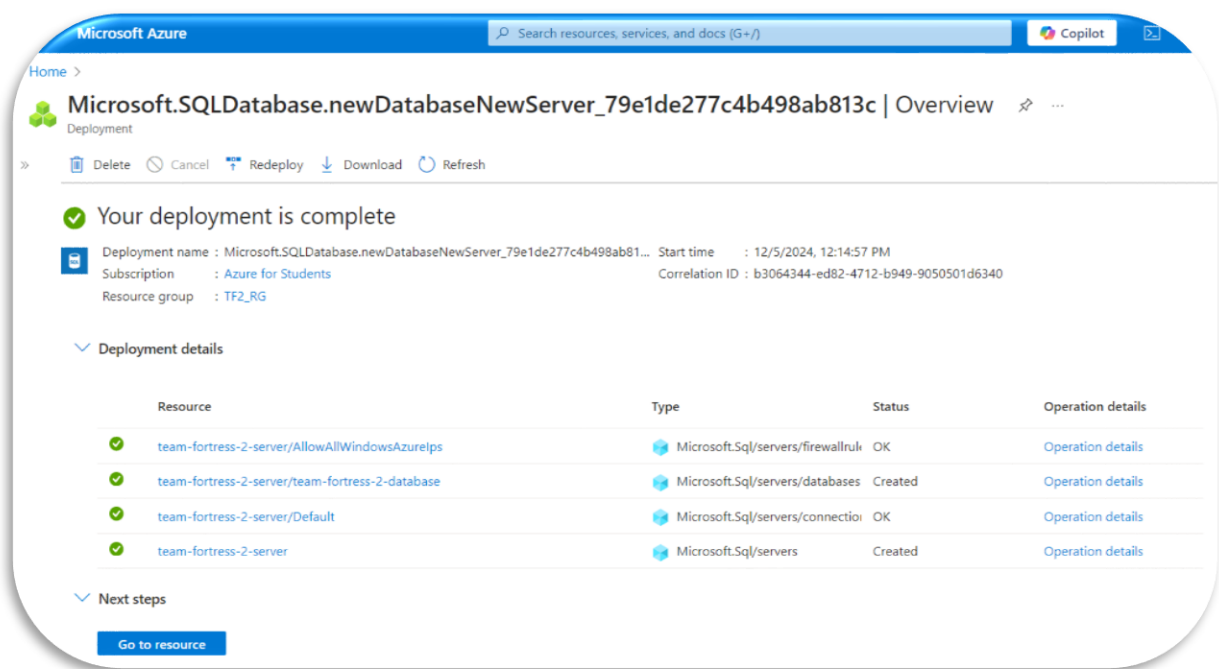DKIT

Figure 1 - Deployment process
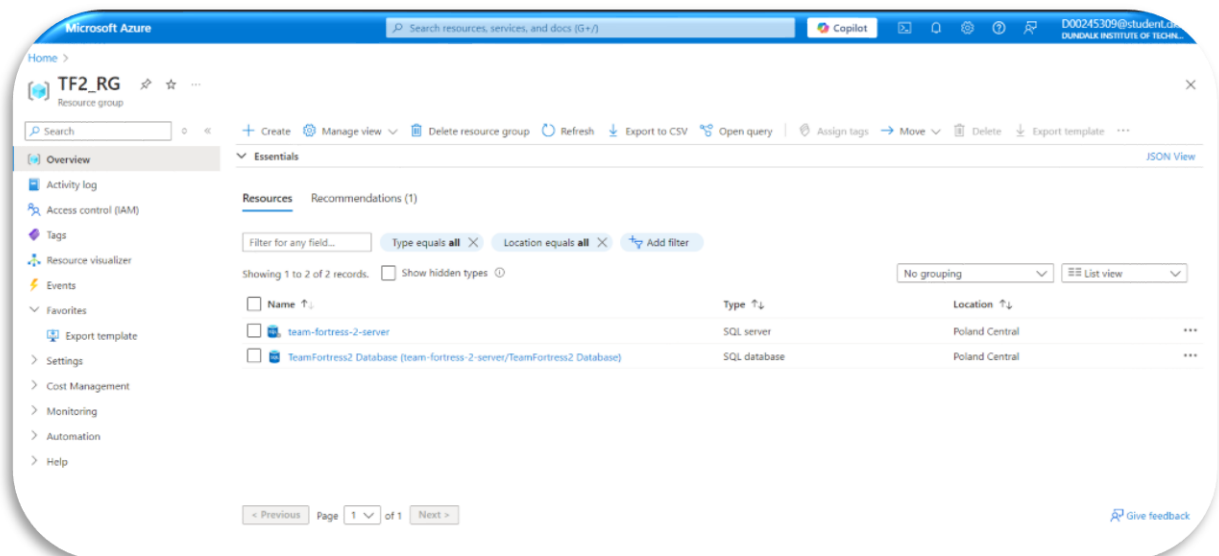

Figure 2 - Resource group

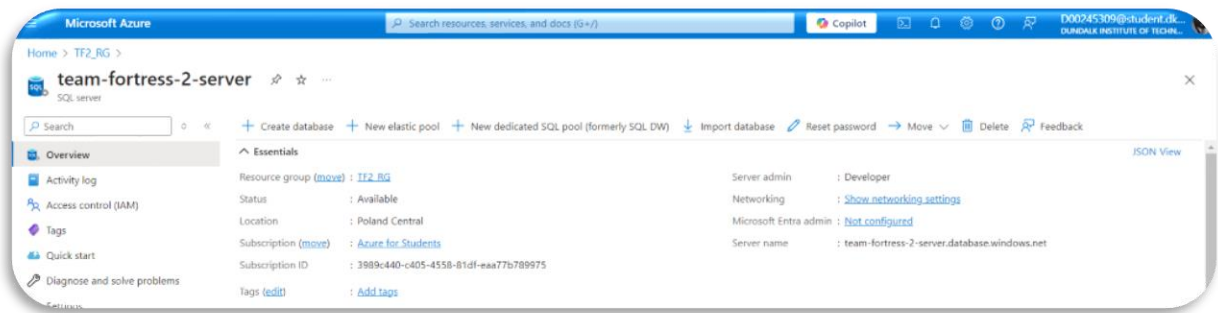This is the resource group that holds everything it keeps it all in one place for better organization.

Figure 3 - SQL server

The figure above shows the server that is made in Poland, originally we wanted to create it in the EU but didn't have the clearance from azure same goes for a few regions in the US.

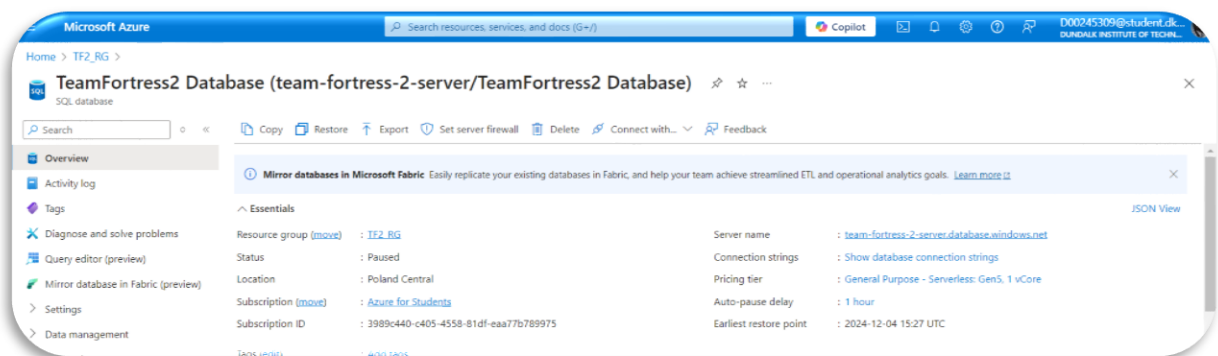Later on, we found Poland suitable to host our server.

Figure 4 - SQL Database

The database had similar issues with regions, so we sticked with Poland servers.
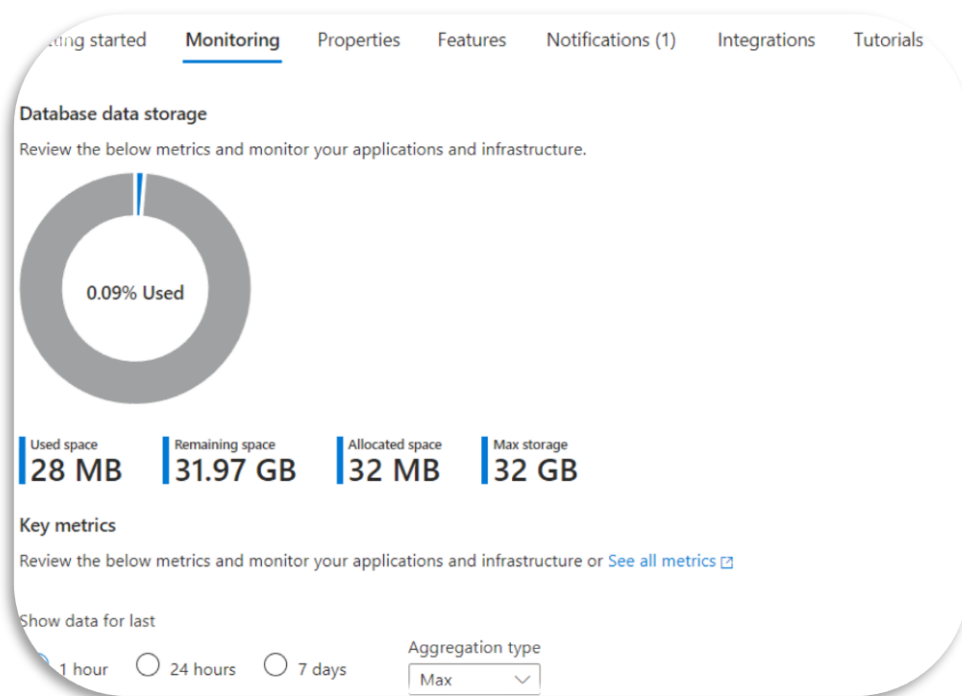
Figure 5 - Storage capacity for the database

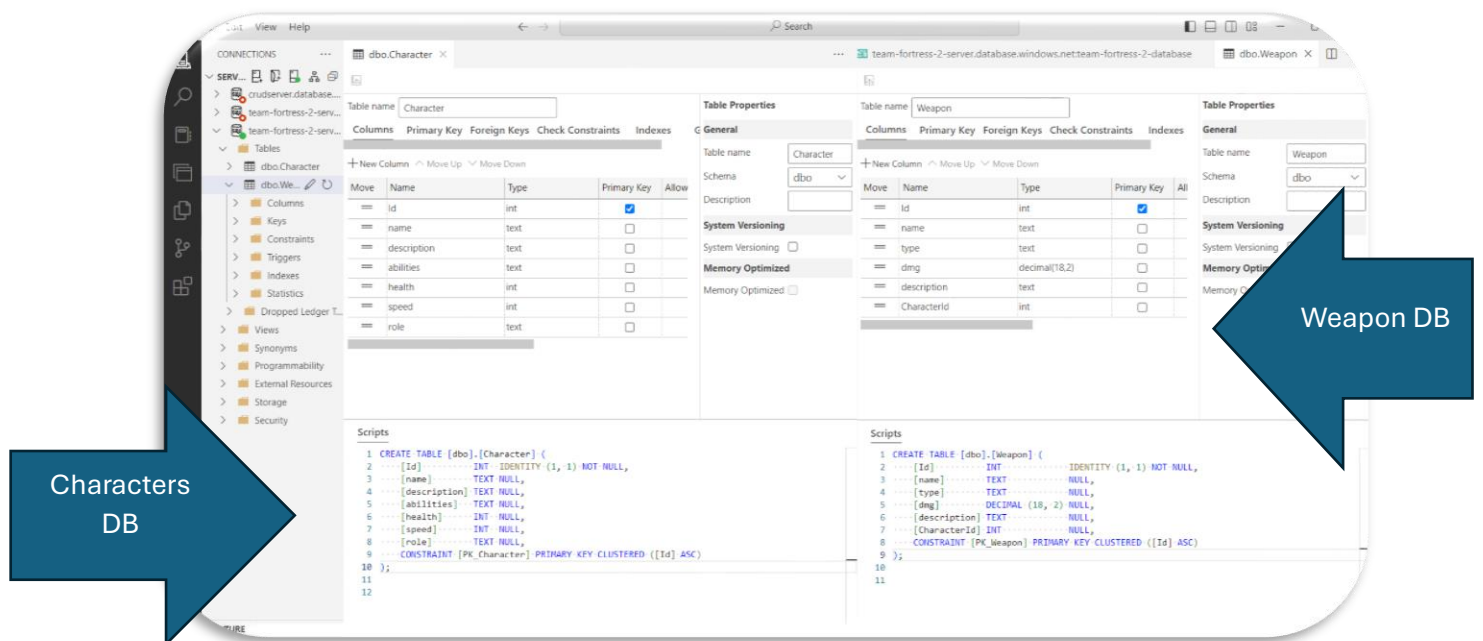Figure 5 - shows the amount of data the database can store within it.

Figure 6 - Live Database hosted on cloud server in Poland

Above it a live server holding 2 databases:

1. Characters
2. Weapons

Figure 7 - Connecting to DB

Currently on visual studio connecting to cloud database.

We are using SQL Server Authentication

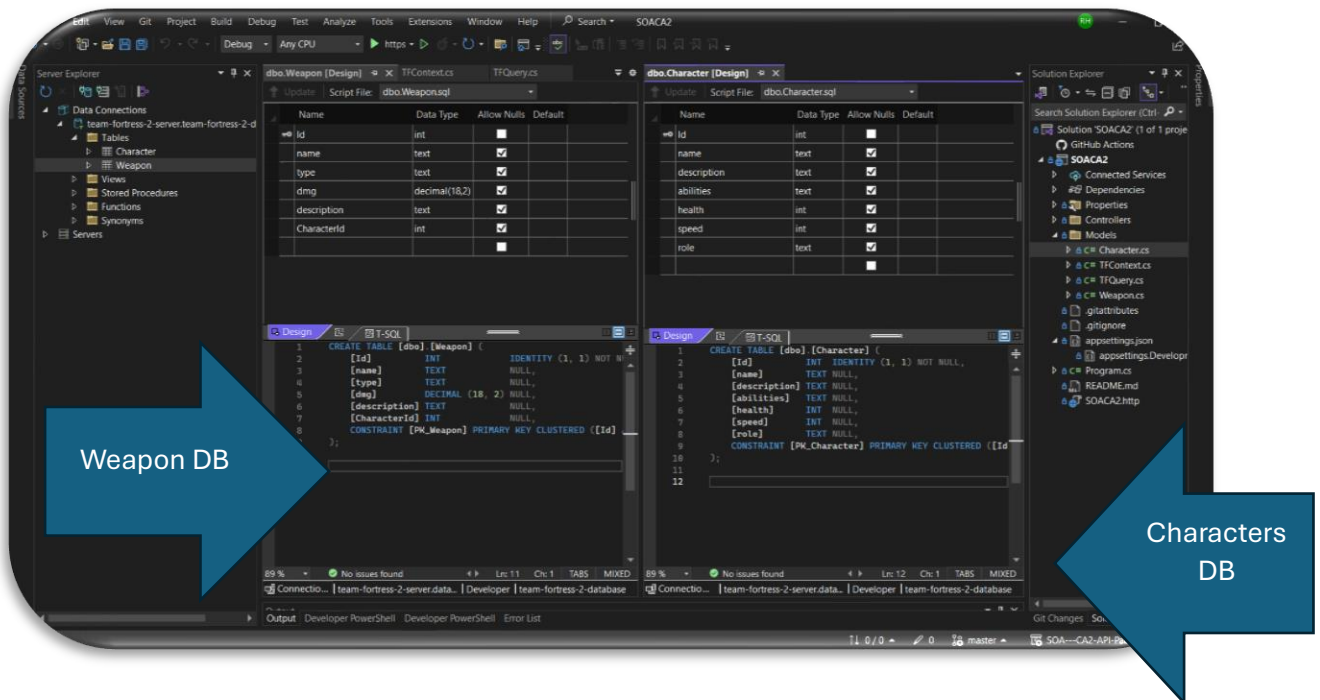Username: Developer

Password: 1Password2024

Figure 8 - Connected to cloud DB

Above figure shows the project connected and using cloud database.

Troubleshooting solutions: -

- Trying to find the correct region to host our data.
  - Poland hosted our cloud server and database.
- College network won't allow connections from program to cloud database
  - Used mobile hotspot to allow the program to connect to cloud server and database.

Recourses

https://learn.microsoft.com/en-gb/azure/azure-sql/database/azure-sql-dotnet-quickstart?view=azuresql&tabs=visual-studio%2Csql-auth%2Cservice-connector%2Cportal

https://learn.microsoft.com/en-gb/azure/azure-sql/database/single-database-create-quickstart?view=azuresql&tabs=azure-portal

https://learn.microsoft.com/en-us/ef/core/modeling/data-seeding

https://portal.azure.com/?l=en#browse/resourcegroups