Deploying SQL Database, .NET Core Web API, and Angular on Azure Paas Service

Step 1: Creating a Sql Database in Azure

- Login into your azure portal.
- Create a resource group under which we will be creating all our resources.
- Create a SQL Database Server under the resource group with SQL authentication.
- For SQL Authentication, we need to select the admin and give the password.

Step 2: Exporting the SQL Database from local server and Importing into Azure Database Server

- Open SQL Management Studio and open the local DB.
- Right Click on the Db and click on “Export as Data Tier Application” and store the file with .bacpac extension in the local disc.
- The Azure SQL Server is connected into SSMS by providing the SQL authentication.
- The locally exported .bacpac file is imported by right clicking on the “Databases” under Azure Database and then clicking on “Import Data Tier Application”
- The Database will be then Updated in Azure Database.

Step 3: Creating App Service for deploying API

- Next, we need to create an App Service in azure.
- In Azure the App service is created using the technology stack as used for creating the API (.NET Version)
- After opening Visual Studio right-click on the project, then publish is selected.
- In the new dialog box, the corresponding app service and database (azure) is selected and then the publish button is pressed to publish the API/backend in Azure.

Step 3: Creating App Service for deploying Angular/Frontend

- For Deploying Angular we need to create an App Service in azure.
- In Azure the App service is created using the technology stack as used for creating the Angular (Node Version).
- After Opening Visual Studio Code, the base URLs are changed as per the API URL in Azure.
- In terminal type “ng build”. A “dist” folder will get created after successful execution of the command.
- Next Deploy the “dist” folder in Azure App service created for Angular.