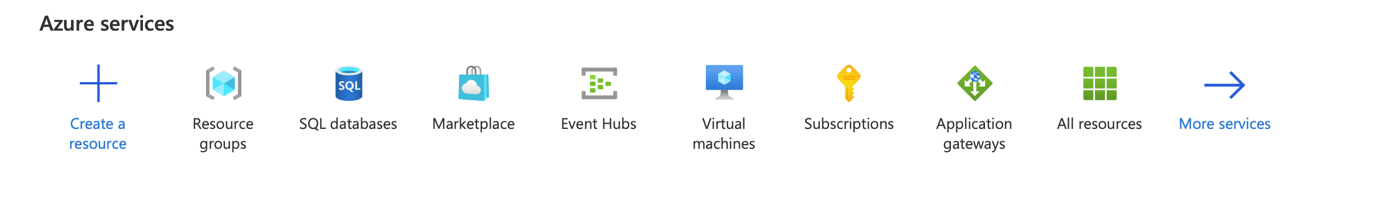
Create a resource group, this is like a folder in OS. All resources e.g. Database, Services, Storage, etc. will be stored in the resource group

Graphical user interface, application

Description automatically generated

Click on Create to create a resource group

Login to portal and create a new database

Click on Add Sql Database + and create a serverGraphical user interface, text, application, email

Description automatically generated

Please select the Server-plan wisely

Graphical user interface, application

Description automatically generated

Change the Firewall Settings for Db Server in Azure to connect from local machine. Apply settings as per following image A picture containing graphical user interface

Description automatically generated

Use EF Core to generate Data Access Layer for ASP.NET Core app. Install or add following packages

1. Microsoft.EntityFrameworkCore
2. Microsoft.EntityFrameworkCore.SqlServer
3. Microsoft.EntityFrameworkCore.Relational
4. Microsoft.EntityFrameworkCore.Tools
5. Microsoft.EntityFrameworkCore.Design

Use **dotnet** CLI to generate entities from database (aka scaffolding)

Install EF Core in global scope

dotnet-ef install - -global

Scaffold the Database using DB First Approach

|  |
| --- |
| dotnet ef dbcontext scaffold "Server=tcp:mydbsqlserver001.database.windows.net,1433;Initial Catalog=MyDbApp;Persist Security Info=False;User ID=MaheshAdmin;Password=MyPwd;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;" Microsoft.EntityFrameworkCore.SqlServer -o Models |

In Code-First Approach

1. Generate Migrations
   1. dotnet ef migrations add <NAme> -c <Namespace.DbContact-class-name>

|  |
| --- |
| * + 1. dotnet ef migrations add FirstMigration -c Core\_NewServie.Models.CompanyDbContext |

* 1. This will generate migrations class for mapping of Entities with Tables

1. Apply migrations to generate database and tables

|  |
| --- |
| dotnet ef database update -c Core\_NewServie.Models.CompanyDbContext |

For any changes in entities generate new migration and update database again