Azure Database

# Entity Framework code first

* Need to create Azure Database or Azure Database Mange Instance first
* Then use the Visual Studio Publish feature to create and add migration to the database
* So far database migration did not work using CICD release pipeline

# Azure App Service and Container and Container Instance

* Azure App Service is PaaS (Platform as a Service) where you can use CICD to continuously publish releases into it
* Azure App Service can have multiple tier and have connection strings to connect to Azure Databases, but App Service and database are separated
* Azure Container has Registry and Instances, ACR (Azure Container Registry) stores docker images where ACI (Azure Container Instance) is an runtime of an image running on a container.
* Azure App Service doesn’t include Azure Container Instance

# Azure Database

* Usually has nothing to do with Container, it’s just a fully managed Platform as a Service (PaaS)
* Azure Database can be managed by tools such as Visual Studio SQL Server Object Explorer using a public connection string like:

|  |
| --- |
| Data Source=jlazuresql.database.windows.net;Initial Catalog=DotNetAppSqlDb\_db;User ID=jlsa;Password=\*\*\*\*\*\*\*\*;Connect Timeout=60;Encrypt=True;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False |