

# Entity Framework Core

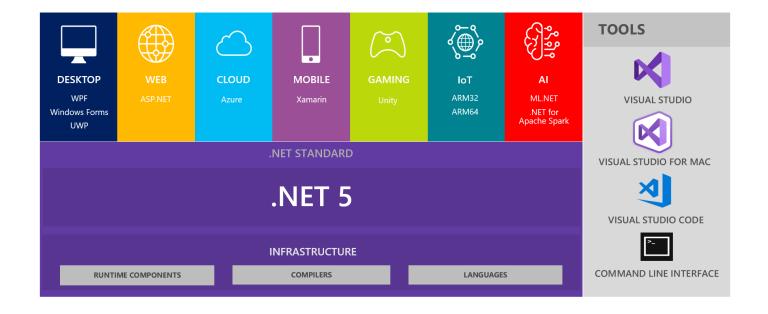
Kryštof-Mikuláš Štys

493159@mail.muni.cz

# Rozdíly .NET

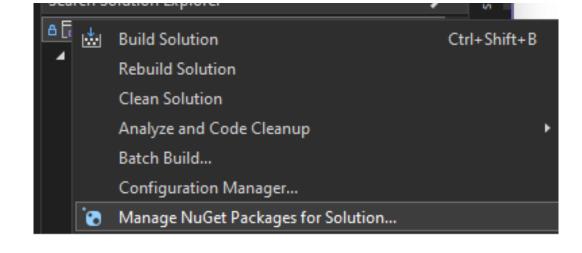
- .NET Framework
- .NET Core
- .NET 5/6/7

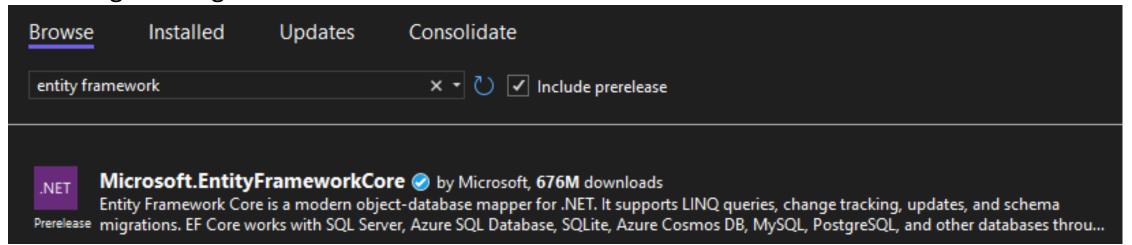
### .NET – A unified platform



## NuGet packages

- Podobné dependencies v Javě, npm/ pip balíčkům
- Balíčky pro sdílení kódu
- Package manager console





# Entity Framework Core

#### Objektově relační mapování

• Práce s DB pomocí .NET objektů

#### Nutné nugets

- Database-driver
- Microsoft.EntityFrameworkCore

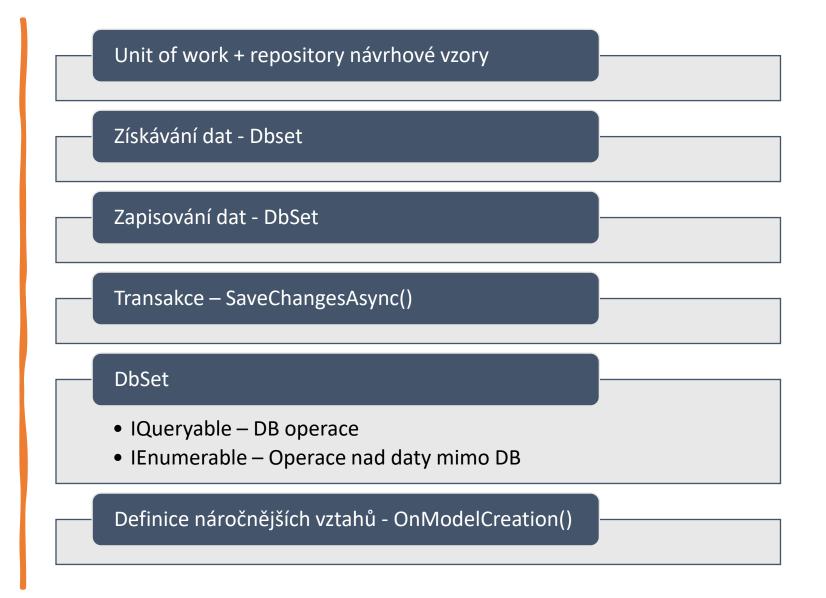
#### Model first

- Migrace
  - Microsoft.EntityFrameworkCore.Design

#### Database first

- dbcontext scaffold
  - Microsoft.EntityFrameworkCore.Design
  - Microsoft.EntityFrameworkCore.Tools

## DbContext



## Models

Model first

DbContext extending DbContext

dotnet ef migrations add [name]

## Database first

dotnet ef dbcontext scaffold [connection string]
 [driver nuget namespace] -o [output folder]



# Děkuji za pozornost!

Máte nějaké dotazy?

## Zdroje

Repozitář s kódem:
 <u>https://github.com/krystofstys/entity-framework-example</u>

- https://www.npgsql.org/efcore/
- https://learn.microsoft.com/enus/ef/core/
- https://devblogs.microsoft.com/dotne t/introducing-net-5/

