

## 第22期-单点登录与认证授权微服务

2021年3月17日 20:37

### 创建微服务项目

```
Install-Package IdentityServer4.EntityFramework -Version 4.1.1
Install-Package IdentityServer4.AspNetIdentity -Version 4.1.1
Install package Microsoft.AspNetCore.Identity.EntityFrameworkCore -Version 5.0.2
Install package Microsoft.EntityFrameworkCore.SqlServer -Version 5.0.2
Install package Microsoft.EntityFrameworkCore.Tools -Version 5.0.2
```

### 创建 DbContext 上下文

```
"ConnectionStrings": {
    "Default":
    "Server=(LocalDb)\\MSSQLLocalDB;Database=IdentityServer;Trusted_Connection=True"
}
```

```
public class ApplicationDbContext : IdentityDbContext<ApplicationUser,
ApplicationRole, int>
```

### 迁移数据库

```
Add-Migration InitialCreate -c PersistedGrantDbContext -o
Migrations/PersistedGrantMigrations -Project ZeroStack.IdentityServer.API -StartupProject
ZeroStack.IdentityServer.API
```

```
Add-Migration InitialCreate -c ConfigurationDbContext -o Migrations/ConfigurationMigrations -
Project ZeroStack.IdentityServer.API -StartupProject ZeroStack.IdentityServer.API
```

```
Add-Migration InitialCreate -c ApplicationDbContext -o Migrations/ApplicationMigrations -
Project ZeroStack.IdentityServer.API -StartupProject ZeroStack.IdentityServer.API
```

```
Update-Database -Context PersistedGrantDbContext -Project ZeroStack.IdentityServer.API -
StartupProject ZeroStack.IdentityServer.API
```

```
Update-Database -Context ConfigurationDbContext -Project ZeroStack.IdentityServer.API -
StartupProject ZeroStack.IdentityServer.API
```

```
Update-Database -Context ApplicationDbContext -Project ZeroStack.IdentityServer.API -
StartupProject ZeroStack.IdentityServer.API
```

## 数字证书和工具

```
makecert.exe -r -n "CN=idsrvtest" -pe -sv idsrvtest.pvk -a sha1 -len 2048 -b 11/11/2020 -e 11/11/2088  
idsrvtest.cer
```

```
pvk2pfx.exe -pvk idsrvtest.pvk -spc idsrvtest.cer -pfx idsrvtest.pfx
```