

# Entity Framework

## Model Generation

Instructions are for .NET 7

### MySQL

```
dotnet new console --o applicationName
cd applicationName
dotnet add package MySql.EntityFrameworkCore --version 7.0.2
dotnet add package Microsoft.EntityFrameworkCore.Tools --version 7.0.14
```

If the Entity Framework tool is not already installed:

```
dotnet tool install --global dotnet-ef --version 7.*
```

Then, generate the model files in the models directory:

```
dotnet ef dbcontext scaffold
"server=127.0.0.1;port=3306;uid=jimc;pwd=password;database=database_name"
MySql.EntityFrameworkCore -o models -f
```

### SQL Server

```
dotnet new console --o applicationName
cd applicationName
dotnet add package Microsoft.EntityFrameworkCore.SqlServer --version 7.0.14
dotnet add package Microsoft.EntityFrameworkCore.Tools --version 7.0.14
```

If the Entity Framework tool is not already installed:

```
dotnet tool install --global dotnet-ef --version 7.*
```

Then, generate the model files in the models directory:

```
dotnet ef dbcontext scaffold "Server=server_ip_address;User
```

```
Id=sa;Password=password;Database=database_name;Encrypt = No"  
Microsoft.EntityFrameworkCore.SqlServer -o models -f
```

## More Info

[Entity Framework Core](#)

[Data Annotations - Column Attribute in EF 6 & EF Core](#)

[Querying and Finding Entities](#)

[dotnet, database](#)

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