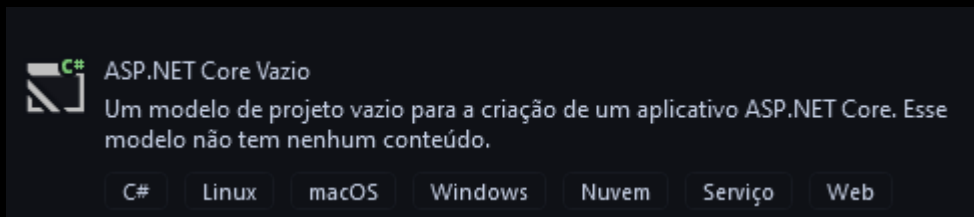


## CRUD C# SQL SERVER

### Create a WebApplication



Install `Microsoft.EntityFrameworkCore.SqlServer` in the project of the context.

Install `Microsoft.EntityFrameworkCore.Tools` in the project of the context.

---

Make the command

#### Scaffold-DbContext

```
"Server={nameServer};Database={nameDatabase};Trusted_Connection=True;"  
Microsoft.EntityFrameworkCore.SqlServer -OutputDir {nameFolder}
```

nameServer:

nameDatabase:

nameFolder:

### Create tables and columns

```
CREATE TABLE table_name (  
    column1 datatype,  
    column2 datatype,  
    column3 datatype,  
    ....  
);
```

---

~After creating the tables

Visual Studio: **Tools > NuGet Package Manager > Package Manager Console**

Remember selecting in default project the one of the {nameFolder}

```
Origem do pacote: Todos [v] [g] Projeto padrão: MagniTopicsBFF [v]
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Versão 6.7.0.127 do Host do Console do Gerenciador de Pacotes

Digite 'get-help NuGet' para ver todos os comandos disponíveis do NuGet.

PM>
```

Now run the command.

Message success:

```
PM> Scaffold-DbContext "Server=DESKTOP-; (SQLEXPRESS;Database=TopicsProvisory;Trusted_Connection=True;" Microsoft.EntityFrameworkCore.SqlServer -OutputDir ContextDB
Multiple startup projects set.
Using project 'MagniTopicsBFF' as the startup project.
Build started...
Build succeeded.
To protect potentially sensitive information in your connection string, you should move it out of source code. You can avoid scaffolding the connection string by using the Name= syntax to read it from
configuration - see https://go.microsoft.com/fwlink/?linkid=2131148. For more guidance on storing connection strings, see http://go.microsoft.com/fwlink/?LinkId=723263.
```

```
3 referências
public partial class TopicsProvisoryContext : DbContext
{
    0 referências
    public TopicsProvisoryContext()
    {
    }

    0 referências
    public TopicsProvisoryContext(DbContextOptions<TopicsProvisoryContext> options)
    {
        : base(options)
    }

    0 referências
    public virtual DbSet<Link> Links { get; set; } = null!;
    0 referências
    public virtual DbSet<Topic> Topics { get; set; } = null!;
    0 referências
    public virtual DbSet<Usage> Usages { get; set; } = null!;

    0 referências
    protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
    {
        if (!optionsBuilder.IsConfigured)
        {
        }
    }
}

warning: To protect potentially sensitive information in your connection string, you should move it out of source code. You can av
```

Call the context: `DbContext context = new DbContext() → context.Column`