Snabbguide

Asp.Net Core MVC med Entity Framework (DatabaseFirst)

EPN Sverige AB LEXICON

Visual Studio 2019

Open recent

As you use Visual Studio, any projects, folders, or files that you open will show up here for quick access

You can pin anything that you open frequently so that it's always at the top of the list.

Get started

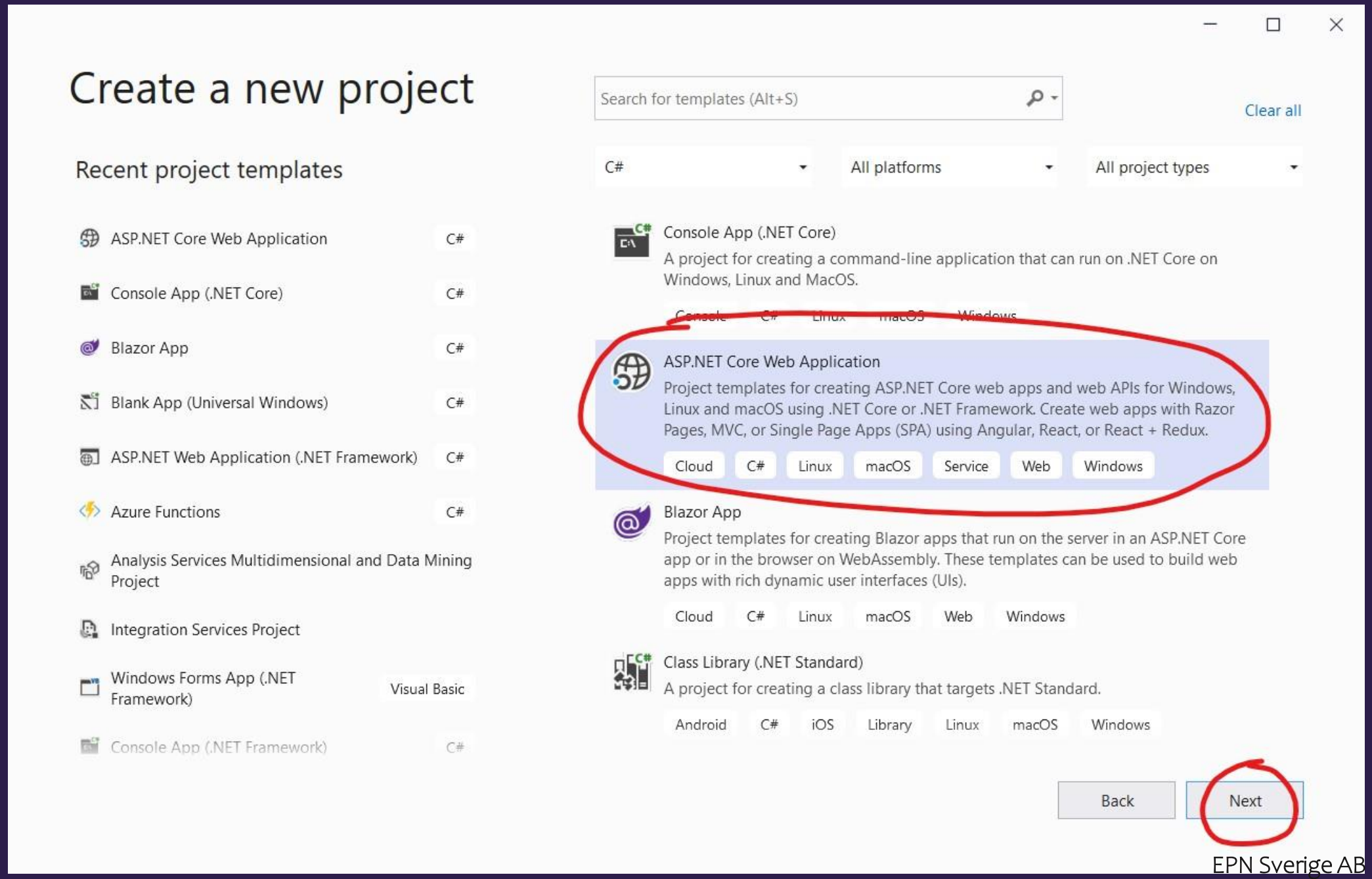
Clone a repository
Get code from an online repository like GitHub or Azure DevOps

Open a project or solution
Open a local Visual Studio project or .sln file

Open a local folder
Navigate and edit code within any folder

Create a new project
Choose a project template with code scaffolding to get started

Continue without code →



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Configure your new project

ASP.NET Core Web Application Cloud C# Linux macOS Service Web Windows

Project name

DatabaseFirst

Location

...

Solution name

DatabaseFirst

Place solution and project in the same directory

Back Create

Create a new ASP.NET Core web application

.NET Core | ASP.NET Core 3.1

Empty

An empty project template for creating an ASP.NET Core application. This template does not have any content in it.

API

A project template for creating an ASP.NET Core application with an example Controller for a RESTful HTTP service. This template can also be used for ASP.NET Core MVC Views and Controllers.

Web Application

A project template for creating an ASP.NET Core application with example ASP.NET Razor Pages content.

Web Application (Model-View-Controller)

A project template for creating an ASP.NET Core application with example ASP.NET Core MVC Views and Controllers. This template can also be used for RESTful HTTP services.

Angular

A project template for creating an ASP.NET Core application with Angular

React.js

Get additional project templates

Authentication

No Authentication

Change

Advanced

Configure for HTTPS

Enable Docker Support

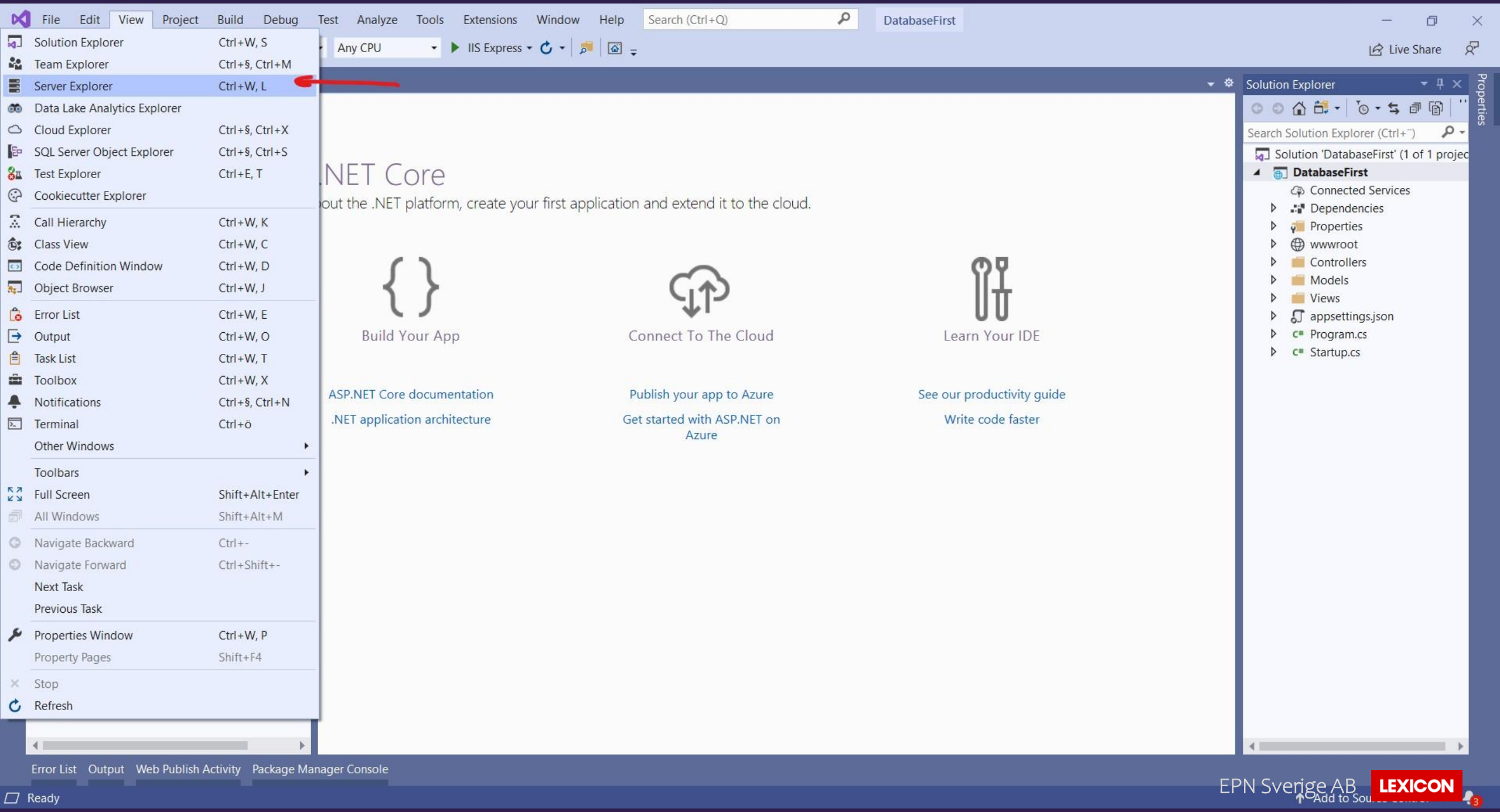
(Requires Docker Desktop)

Linux

Enable Razor runtime compilation

Author: Microsoft
Source: Templates 3.1.5

Back | Create



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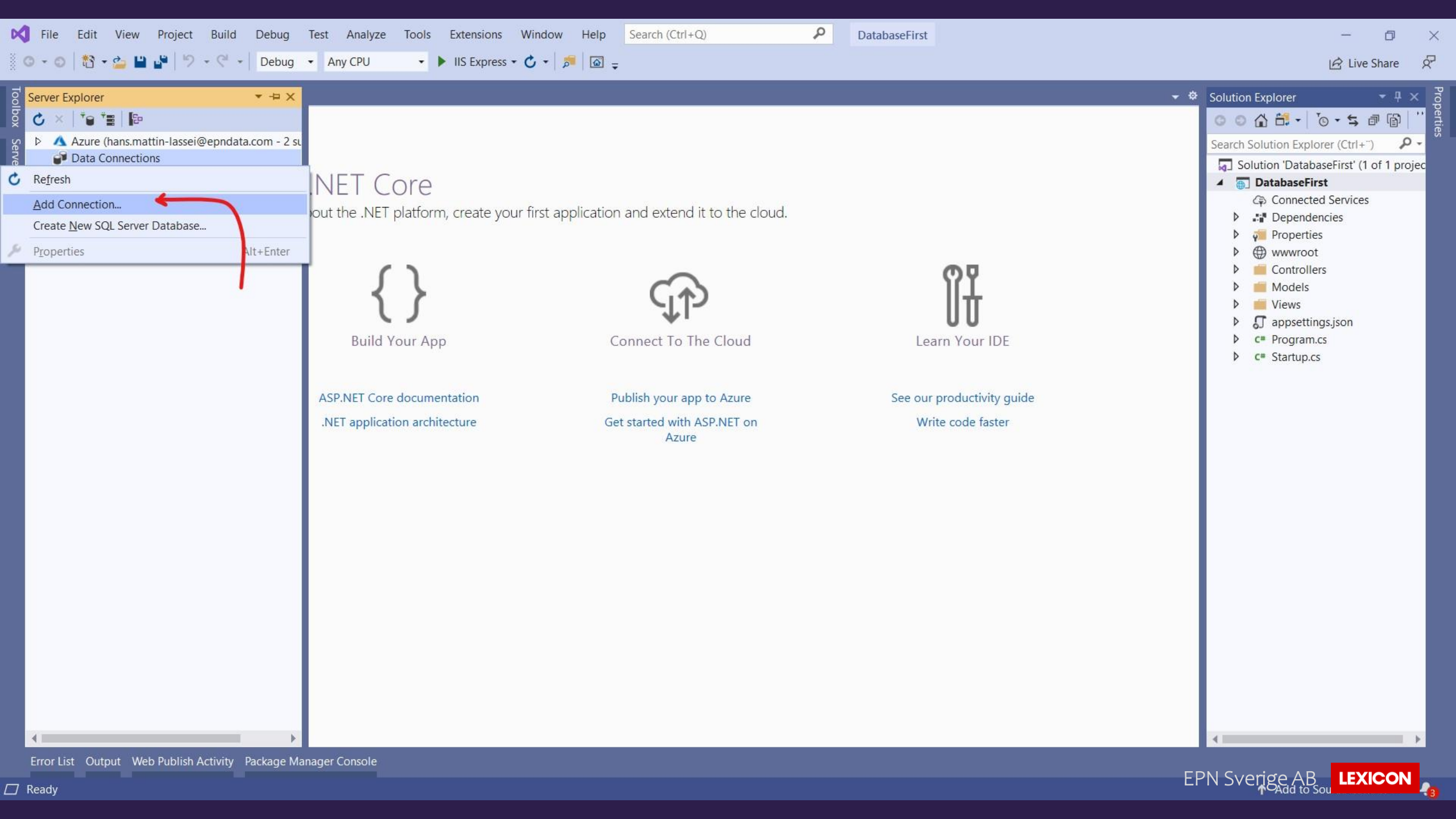
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
DatabaseFirst
Debug
Any CPU
IIS Express
Live Share
Server Explorer
Azure (hans.mattin-lassei@epndata.com - 2 su
Data Connections
Refresh
Add Connection...
Create New SQL Server Database...
Properties Alt+Enter
.NET Core
out the .NET platform, create your first application and extend it to the cloud.
Build Your App
Connect To The Cloud
Learn Your IDE
ASP.NET Core documentation
.NET application architecture
Publish your app to Azure
Get started with ASP.NET on Azure
See our productivity guide
Write code faster
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Search Solution Explorer (Ctrl+;)
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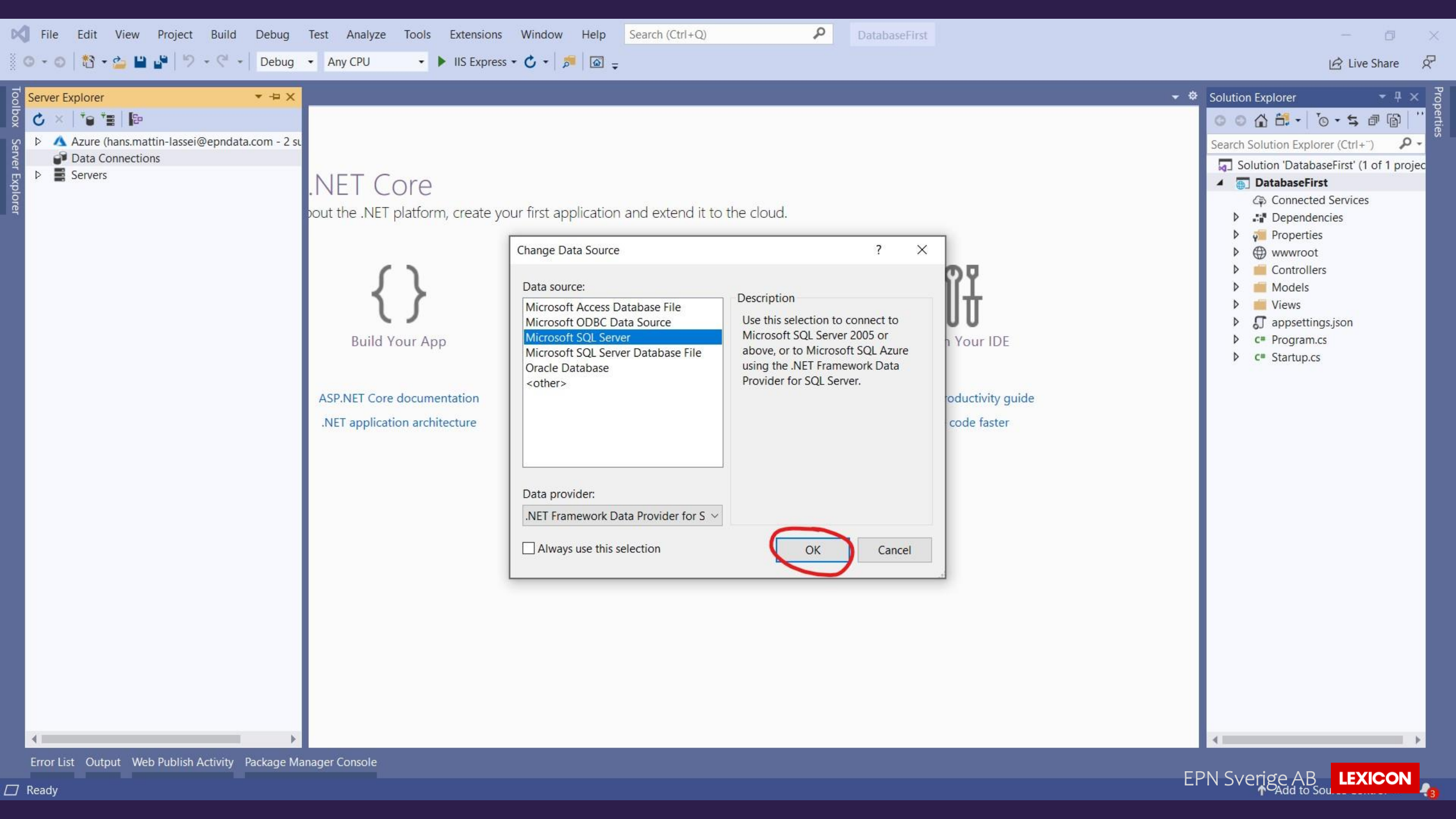
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Azure (hans.mattin-lassei@epndata.com - 2 su
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bout the .NET platform, create your first application and extend it to the cloud.
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.NET application architecture
Your IDE
oductivity guide
code faster
Change Data Source
Data source:
Microsoft Access Database File
Microsoft ODBC Data Source
Microsoft SQL Server
Microsoft SQL Server Database File
Oracle Database
<other>
Description
Use this selection to connect to Microsoft SQL Server 2005 or above, or to Microsoft SQL Azure using the .NET Framework Data Provider for SQL Server.
Data provider:
.NET Framework Data Provider for S
Always use this selection
OK
Cancel
Solution Explorer
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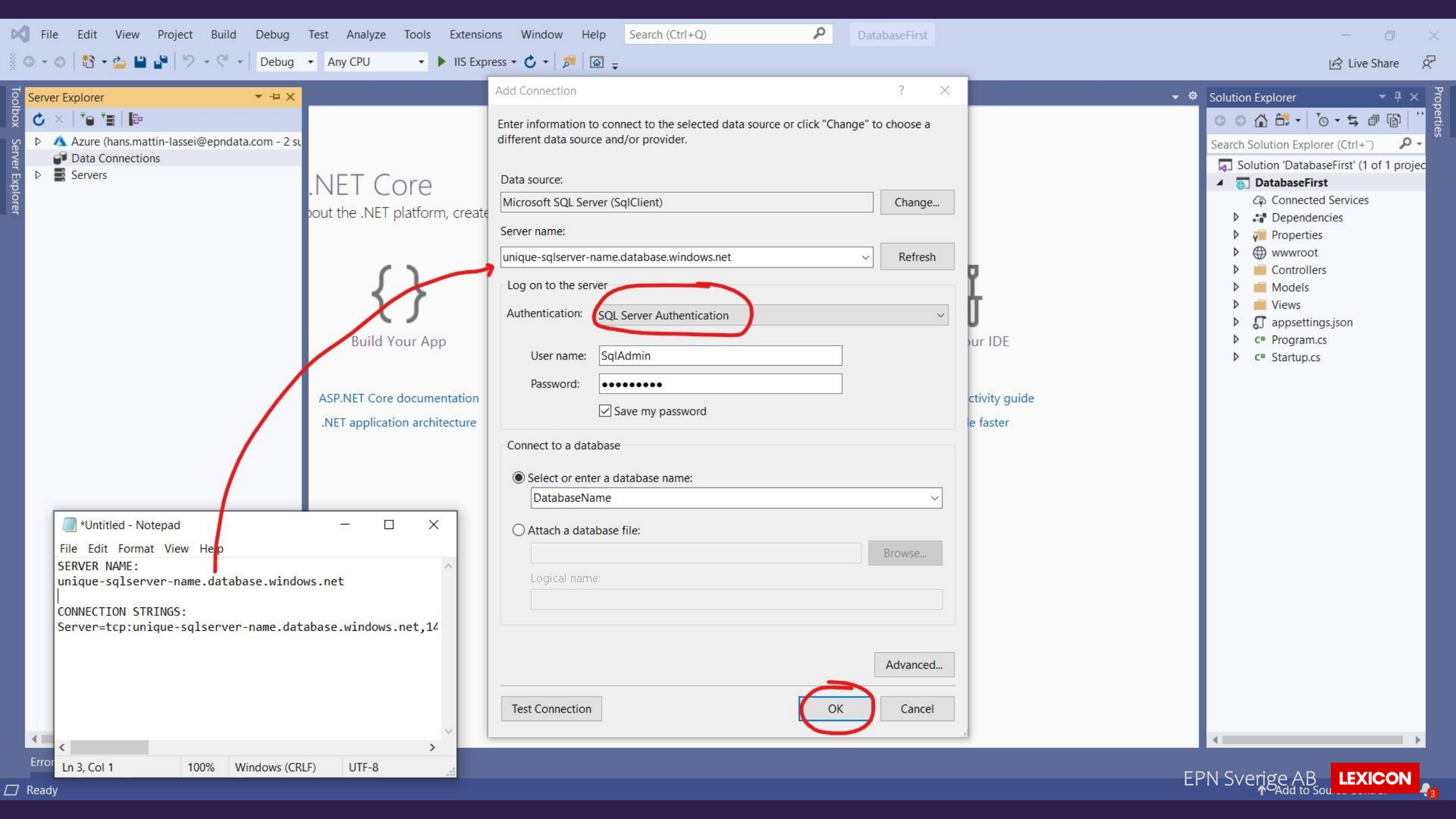
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Server Explorer
Azure (hans.mattin-lassei@epndata.com - 2 su
Data Connections
Servers
Add Connection
Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.
Data source:
Microsoft SQL Server (SqlClient)
Change...
Server name:
unique-sqlserver-name.database.windows.net
Refresh
Log on to the server
Authentication:
SQL Server Authentication
User name:
SqlAdmin
Password:
Save my password
Connect to a database
Select or enter a database name:
DatabaseName
Attach a database file:
Browse...
Logical name:
Advanced...
Test Connection
OK
Cancel
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.NET application architecture
*Untitled - Notepad
File Edit Format View Help
SERVER NAME:
unique-sqlserver-name.database.windows.net
CONNECTION STRINGS:
Server=tcp:unique-sqlserver-name.database.windows.net,14
Ln 3, Col 1
100%
Windows (CRLF)
UTF-8
Ready
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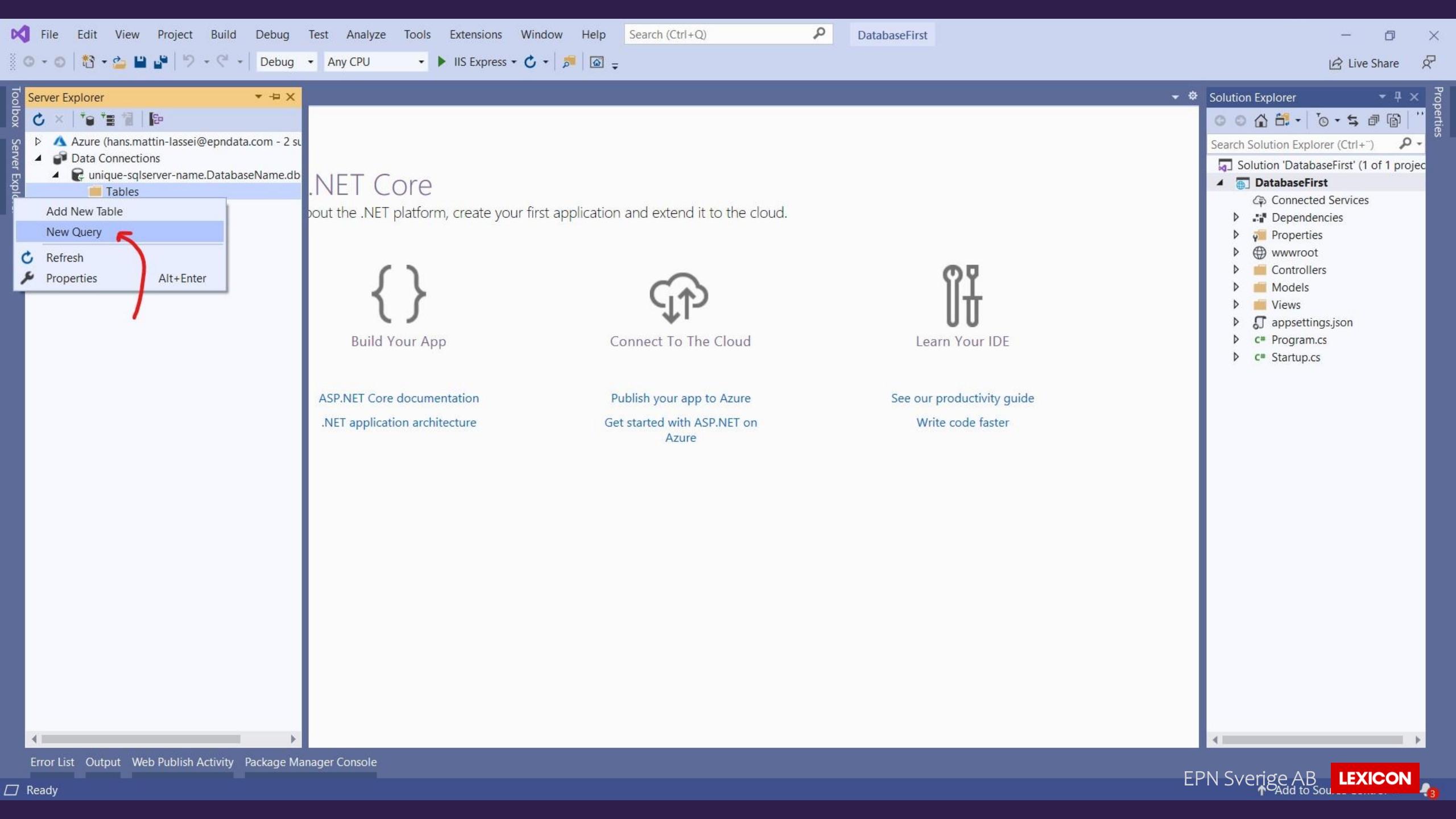
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Azure (hans.mattin-lassei@epndata.com - 2 su
Data Connections
unique-sqlserver-name.DatabaseName.db
Tables
Add New Table
New Query
Refresh
Properties
Alt+Enter
.NET Core
bout the .NET platform, create your first application and extend it to the cloud.
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Learn Your IDE
ASP.NET Core documentation
.NET application architecture
Publish your app to Azure
Get started with ASP.NET on Azure
See our productivity guide
Write code faster
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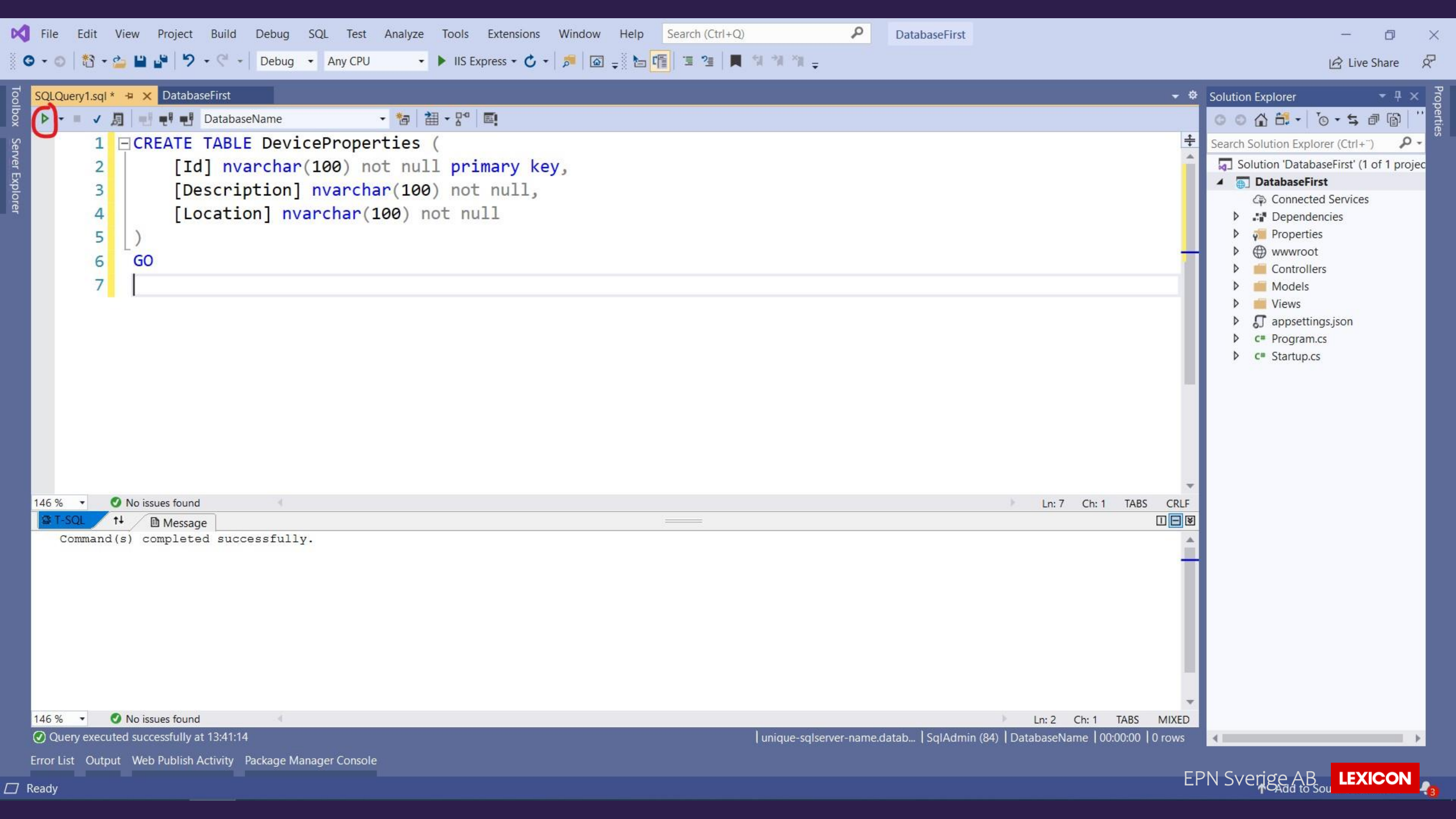

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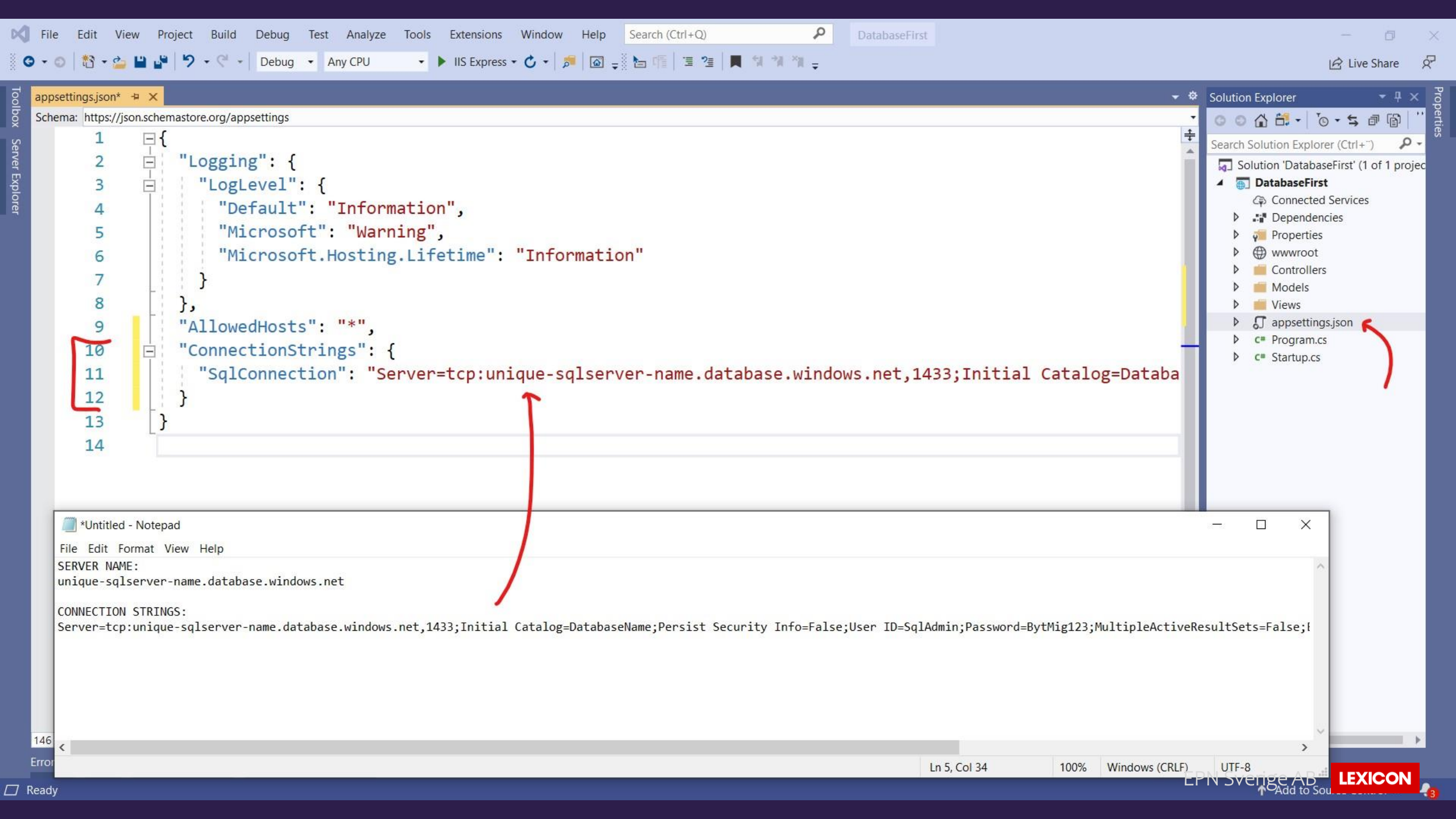
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
DatabaseFirst
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Live Share
appsettings.json*
Schema: https://json.schemastore.org/appsettings
{
"Logging": {
"LogLevel": {
"Default": "Information",
"Microsoft": "Warning",
"Microsoft.Hosting.Lifetime": "Information"
}
},
"AllowedHosts": "*",
"ConnectionStrings": {
"SqlConnection": "Server=tcp:unique-sqlserver-name.database.windows.net,1433;Initial Catalog=Databa
}
}
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'DatabaseFirst' (1 of 1 projec
DatabaseFirst
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Program.cs
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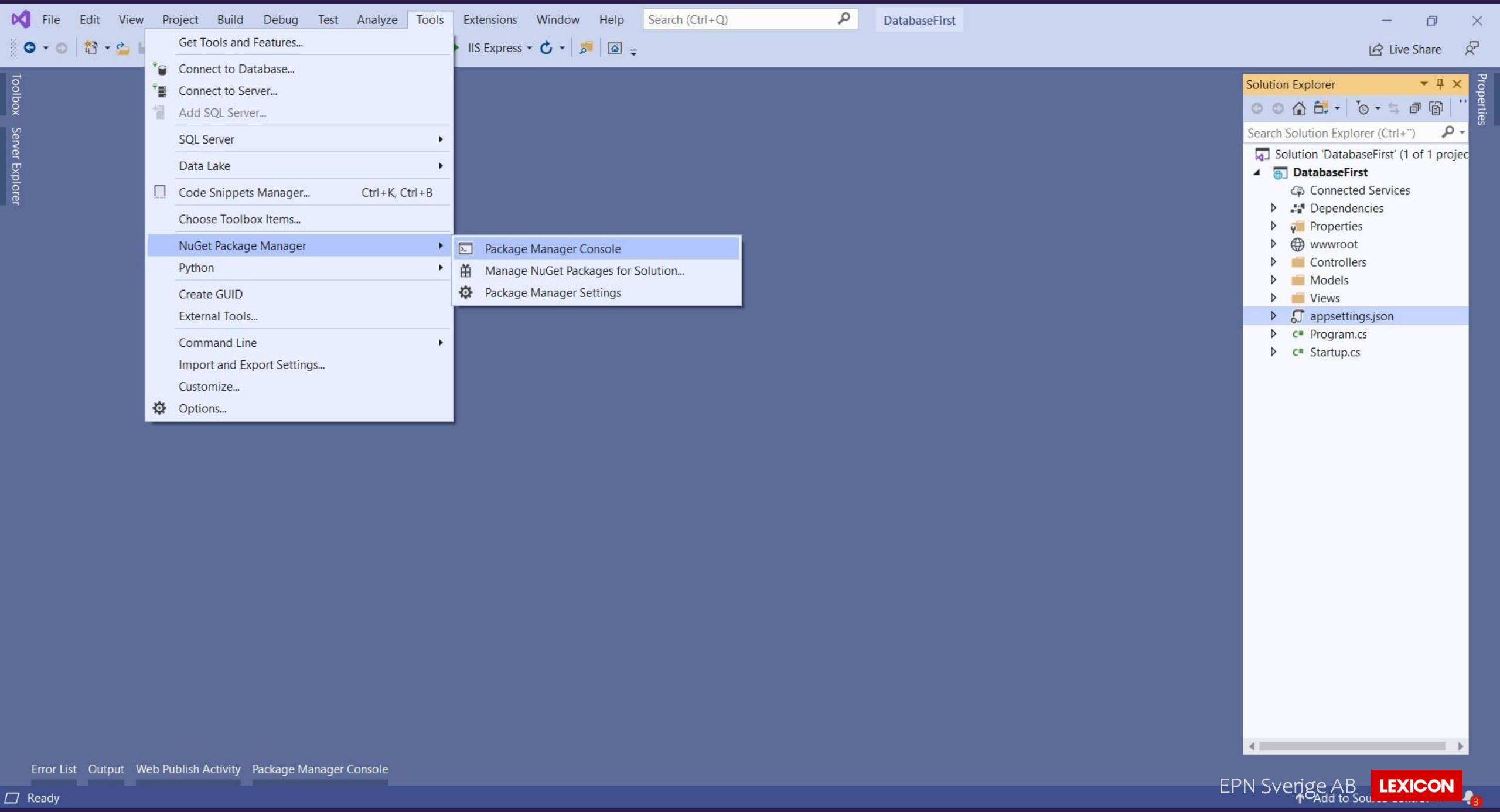
File Edit Format View Help
SERVER NAME:
unique-sqlserver-name.database.windows.net
CONNECTION STRINGS:
Server=tcp:unique-sqlserver-name.database.windows.net,1433;Initial Catalog=DatabaseName;Persist Security Info=False;User ID=SqlAdmin;Password=BytMig123;MultipleActiveResultSets=False;
Ln 5, Col 34
100%
Windows (CRLF)
UTF-8
Ready
Add to Source Control
LEXICON



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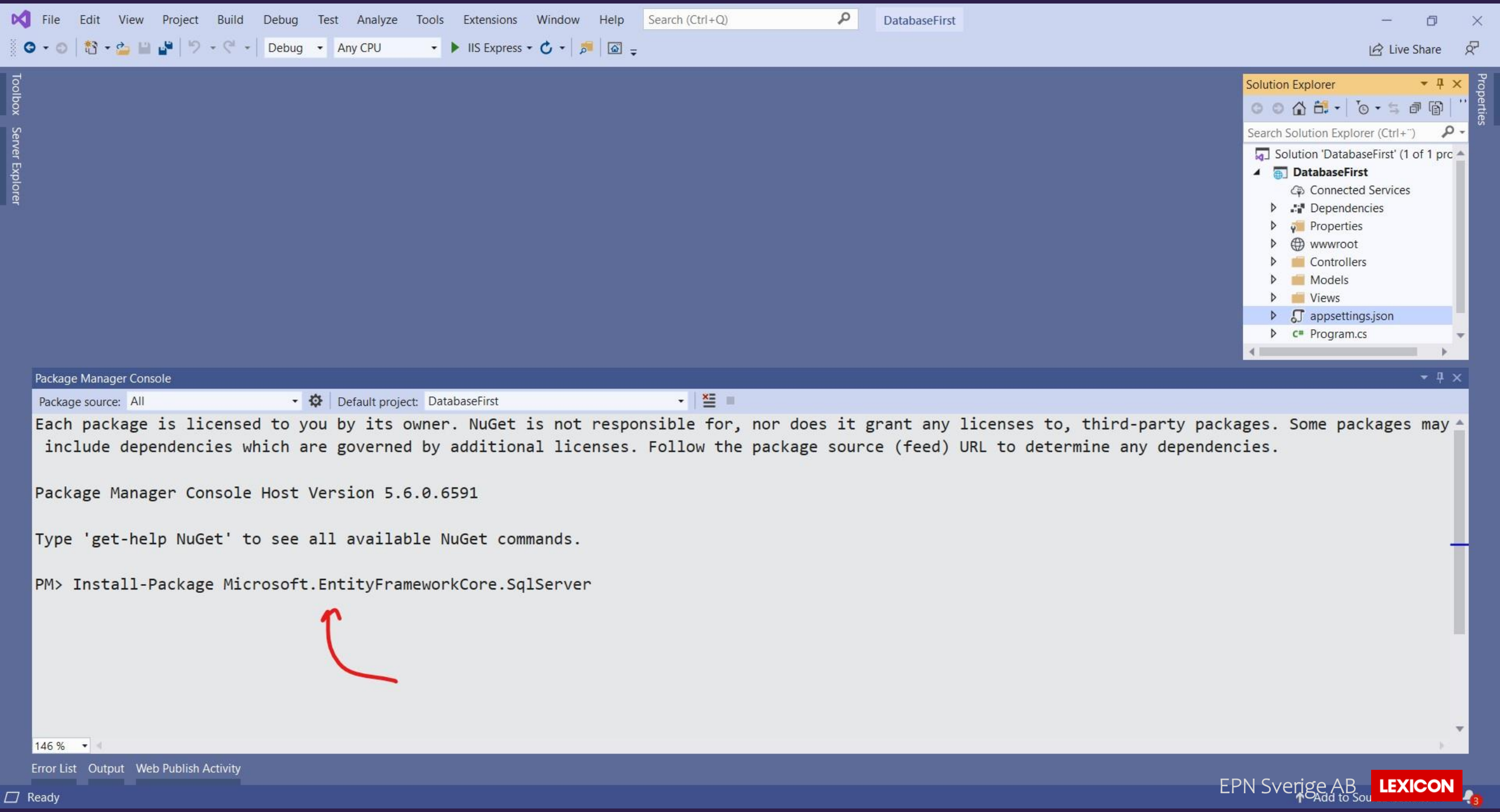
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Package Manager Console
Package source: All
Default project: DatabaseFirst
Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages. Some packages may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determine any dependencies.
Package Manager Console Host Version 5.6.0.6591
Type 'get-help NuGet' to see all available NuGet commands.
PM> Install-Package Microsoft.EntityFrameworkCore.SqlServer
146 %
Error List
Output
Web Publish Activity
Ready
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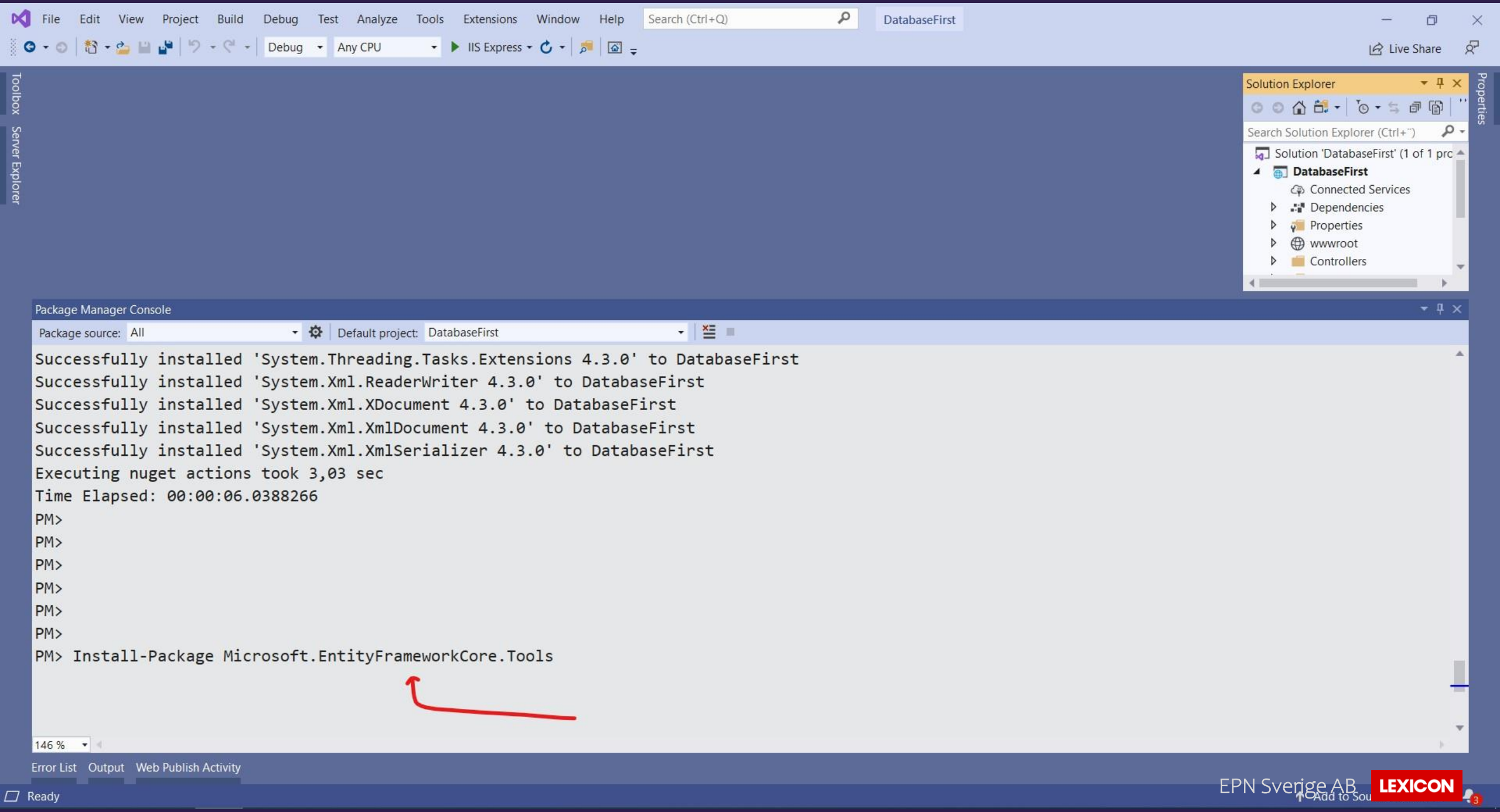
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Search Solution Explorer (Ctrl+;)
Solution 'DatabaseFirst' (1 of 1 prc
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Package Manager Console
Package source: All
Default project: DatabaseFirst
Successfully installed 'System.Threading.Tasks.Extensions 4.3.0' to DatabaseFirst
Successfully installed 'System.Xml.ReaderWriter 4.3.0' to DatabaseFirst
Successfully installed 'System.Xml.XDocument 4.3.0' to DatabaseFirst
Successfully installed 'System.Xml.XmlDocument 4.3.0' to DatabaseFirst
Successfully installed 'System.Xml.XmlSerializer 4.3.0' to DatabaseFirst
Executing nuget actions took 3,03 sec
Time Elapsed: 00:00:06.0388266
PM>
PM>
PM>
PM>
PM>
PM>
PM> Install-Package Microsoft.EntityFrameworkCore.Tools
146 %
Error List
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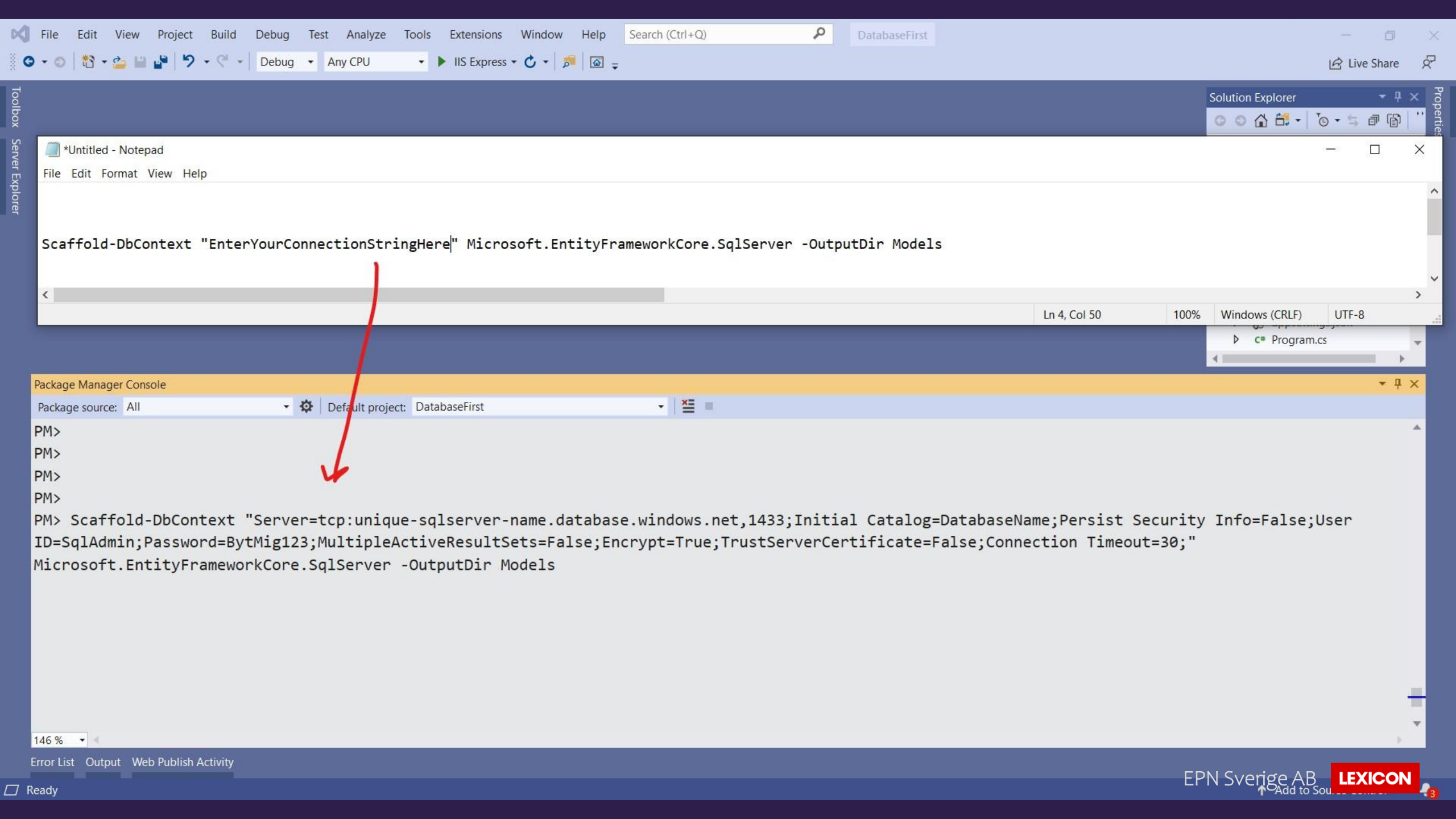
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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*Untitled - Notepad
File Edit Format View Help
Scaffold-DbContext "EnterYourConnectionStringHere" Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models
Ln 4, Col 50
100%
Windows (CRLF)
UTF-8
Program.cs
Package Manager Console
Package source: All
Default project: DatabaseFirst
PM>
PM>
PM>
PM>
PM> Scaffold-DbContext "Server=tcp:unique-sqlserver-name.database.windows.net,1433;Initial Catalog=DatabaseName;Persist Security Info=False;User ID=SqlAdmin;Password=BytMig123;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;" Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models
146 %
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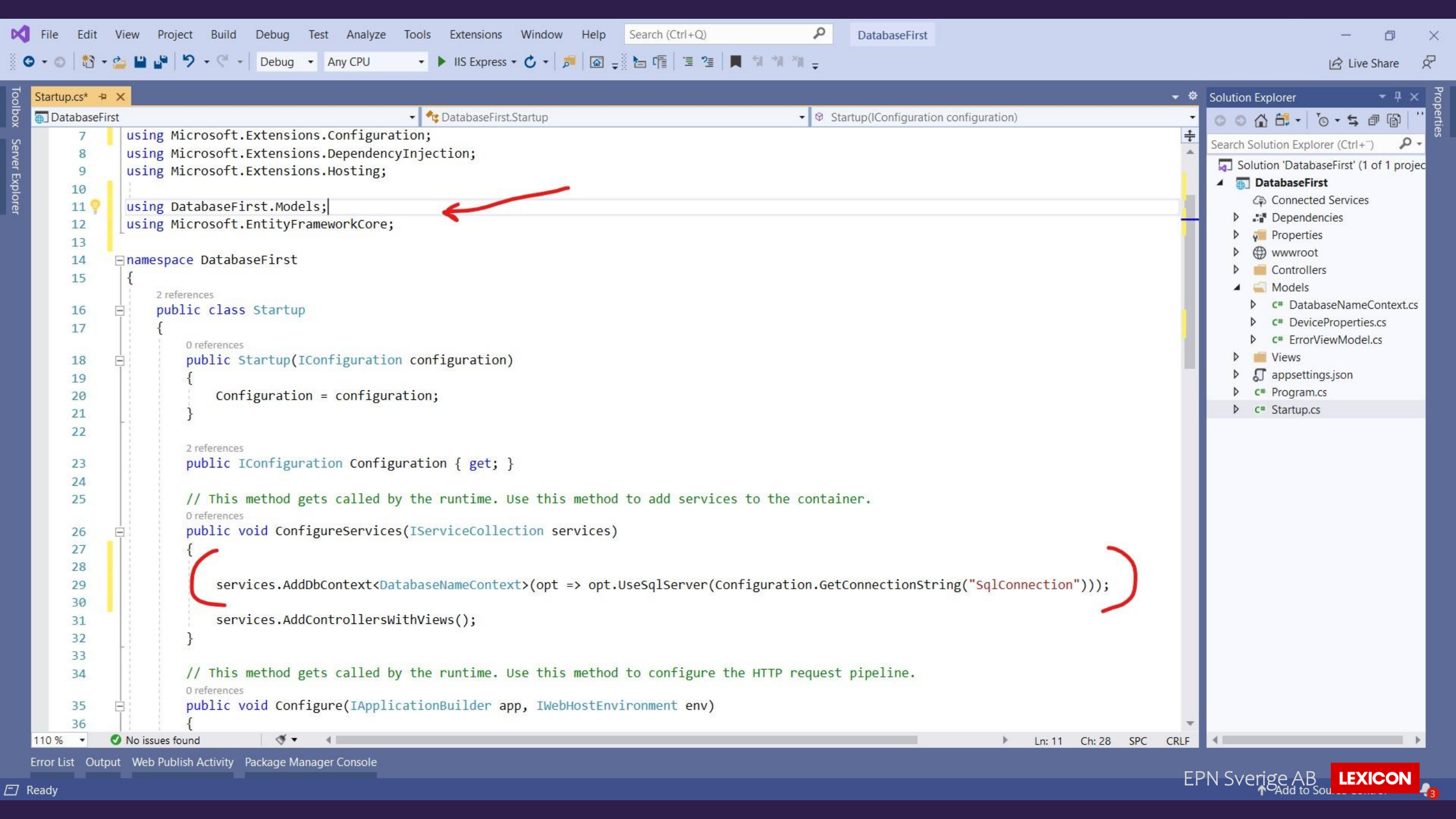
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
DatabaseFirst
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Live Share
Startup.cs*
DatabaseFirst
DatabaseFirst.Startup
Startup(IConfiguration configuration)
using Microsoft.Extensions.Configuration;
using Microsoft.Extensions.DependencyInjection;
using Microsoft.Extensions.Hosting;
using DatabaseFirst.Models;
using Microsoft.EntityFrameworkCore;
namespace DatabaseFirst
{
2 references
public class Startup
{
0 references
public Startup(IConfiguration configuration)
{
Configuration = configuration;
}
2 references
public IConfiguration Configuration { get; }
// This method gets called by the runtime. Use this method to add services to the container.
0 references
public void ConfigureServices(IServiceCollection services)
{
services.AddDbContext<DatabaseNameContext>(opt => opt.UseSqlServer(Configuration.GetConnectionString("SqlConnection")));
services.AddControllersWithViews();
}
// This method gets called by the runtime. Use this method to configure the HTTP request pipeline.
0 references
public void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
110 %
No issues found
Ln: 11
Ch: 28
SPC
CRLF
Solution Explorer
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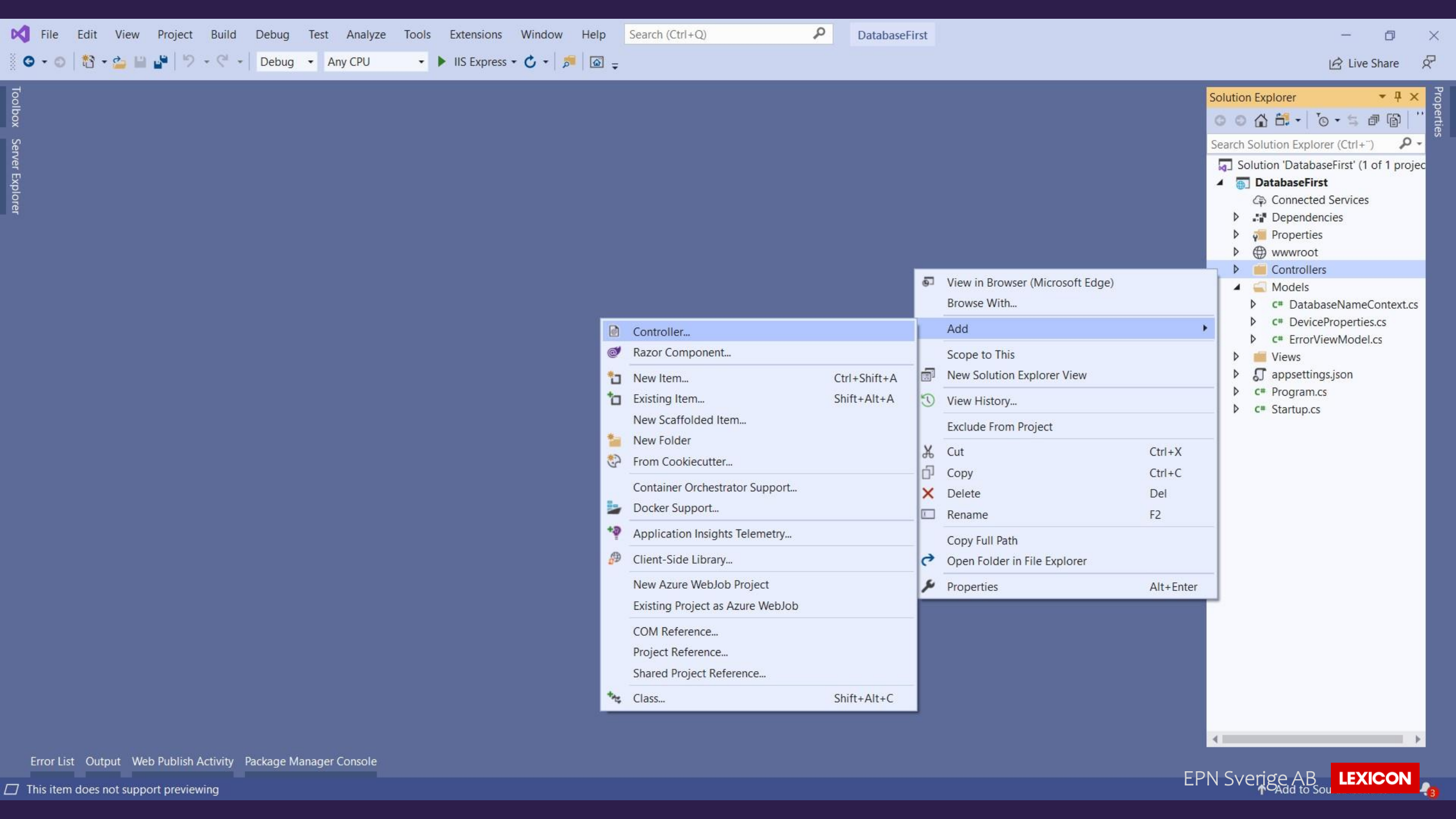
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Properties
Controller...
Razor Component...
New Item... Ctrl+Shift+A
Existing Item... Shift+Alt+A
New Scaffolded Item...
New Folder
From Cookiecutter...
Container Orchestrator Support...
Docker Support...
Application Insights Telemetry...
Client-Side Library...
New Azure WebJob Project
Existing Project as Azure WebJob
COM Reference...
Project Reference...
Shared Project Reference...
Class... Shift+Alt+C
View in Browser (Microsoft Edge)
Browse With...
Add
Scope to This
New Solution Explorer View
View History...
Exclude From Project
Cut Ctrl+X
Copy Ctrl+C
Delete Del
Rename F2
Copy Full Path
Open Folder in File Explorer
Properties Alt+Enter
Error List
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Package Manager Console
This item does not support previewing
EPN Sverige AB
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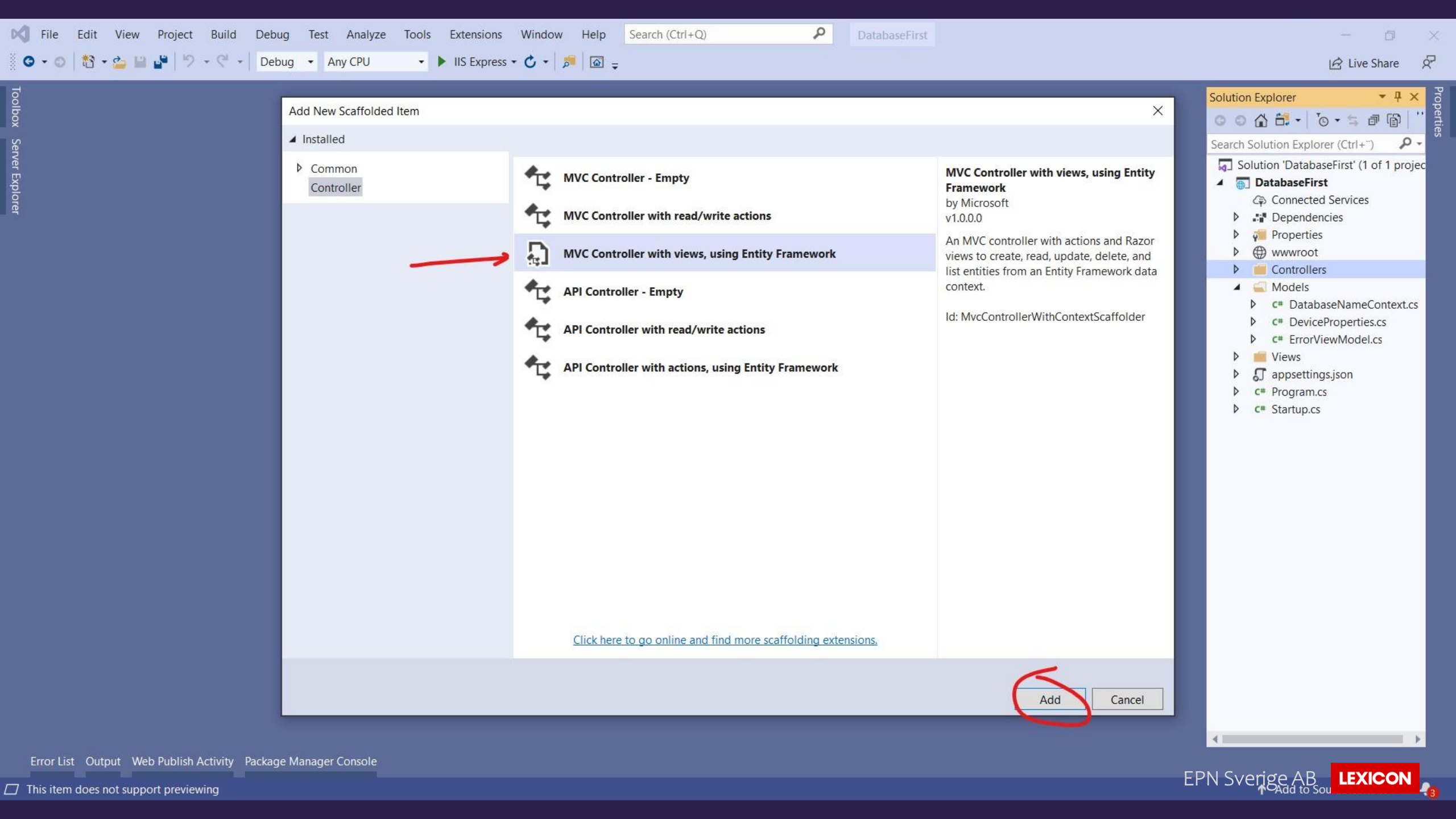
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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Add New Scaffolded Item
Installed
Common
Controller
MVC Controller - Empty
MVC Controller with read/write actions
MVC Controller with views, using Entity Framework
API Controller - Empty
API Controller with read/write actions
API Controller with actions, using Entity Framework
MVC Controller with views, using Entity Framework
by Microsoft
v1.0.0.0
An MVC controller with actions and Razor views to create, read, update, delete, and list entities from an Entity Framework data context.
Id: MvcControllerWithContextScaffolder
Click here to go online and find more scaffolding extensions.
Add
Cancel
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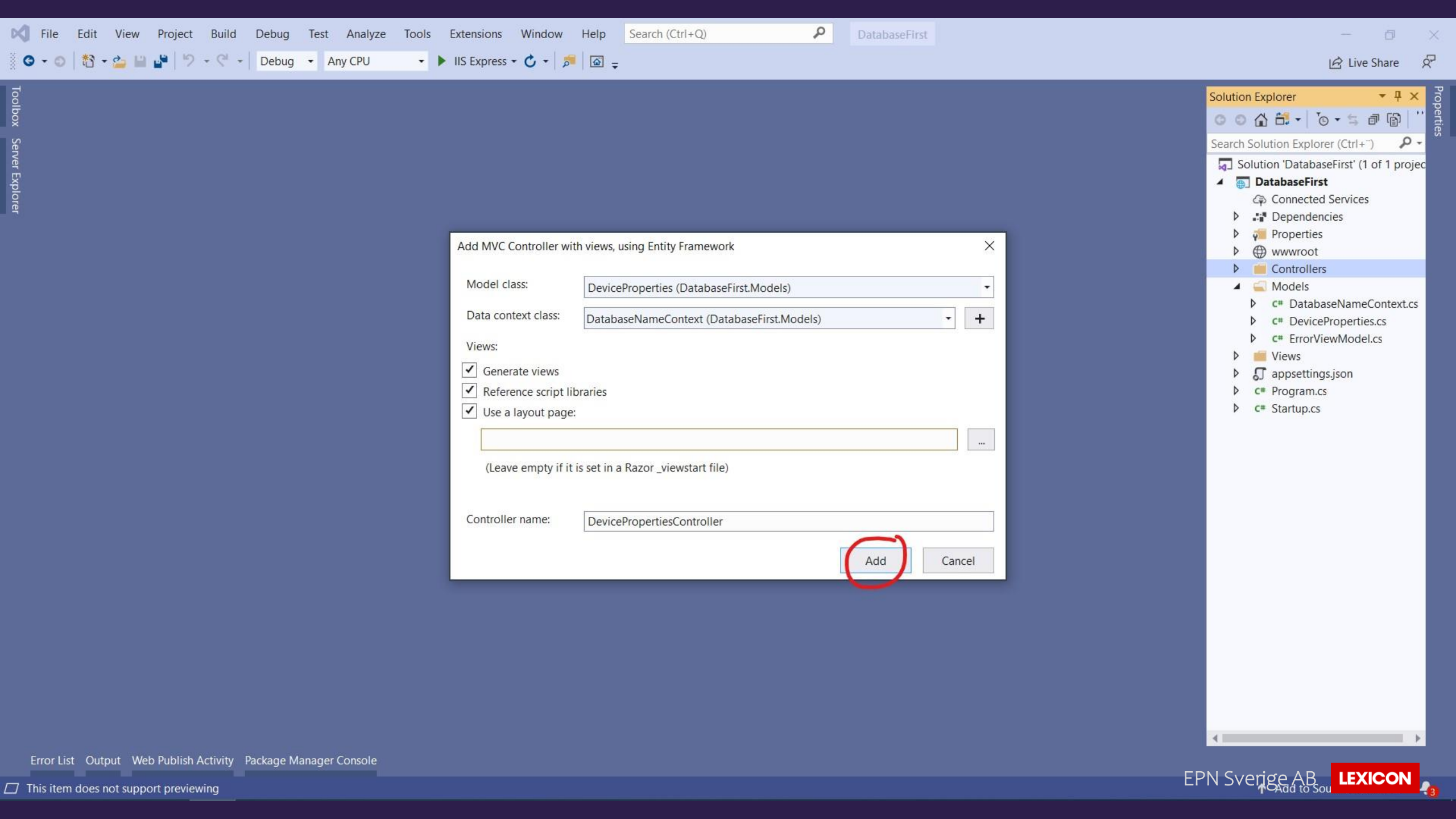
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
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DeviceProperties.cs
ErrorViewModel.cs
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appsettings.json
Program.cs
Startup.cs
Add MVC Controller with views, using Entity Framework
Model class:
DeviceProperties (DatabaseFirst.Models)
Data context class:
DatabaseNameContext (DatabaseFirst.Models)
Views:
Generate views
Reference script libraries
Use a layout page:
(Leave empty if it is set in a Razor _viewstart file)
Controller name:
DevicePropertiesController
Add
Cancel
Error List
Output
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Package Manager Console
This item does not support previewing
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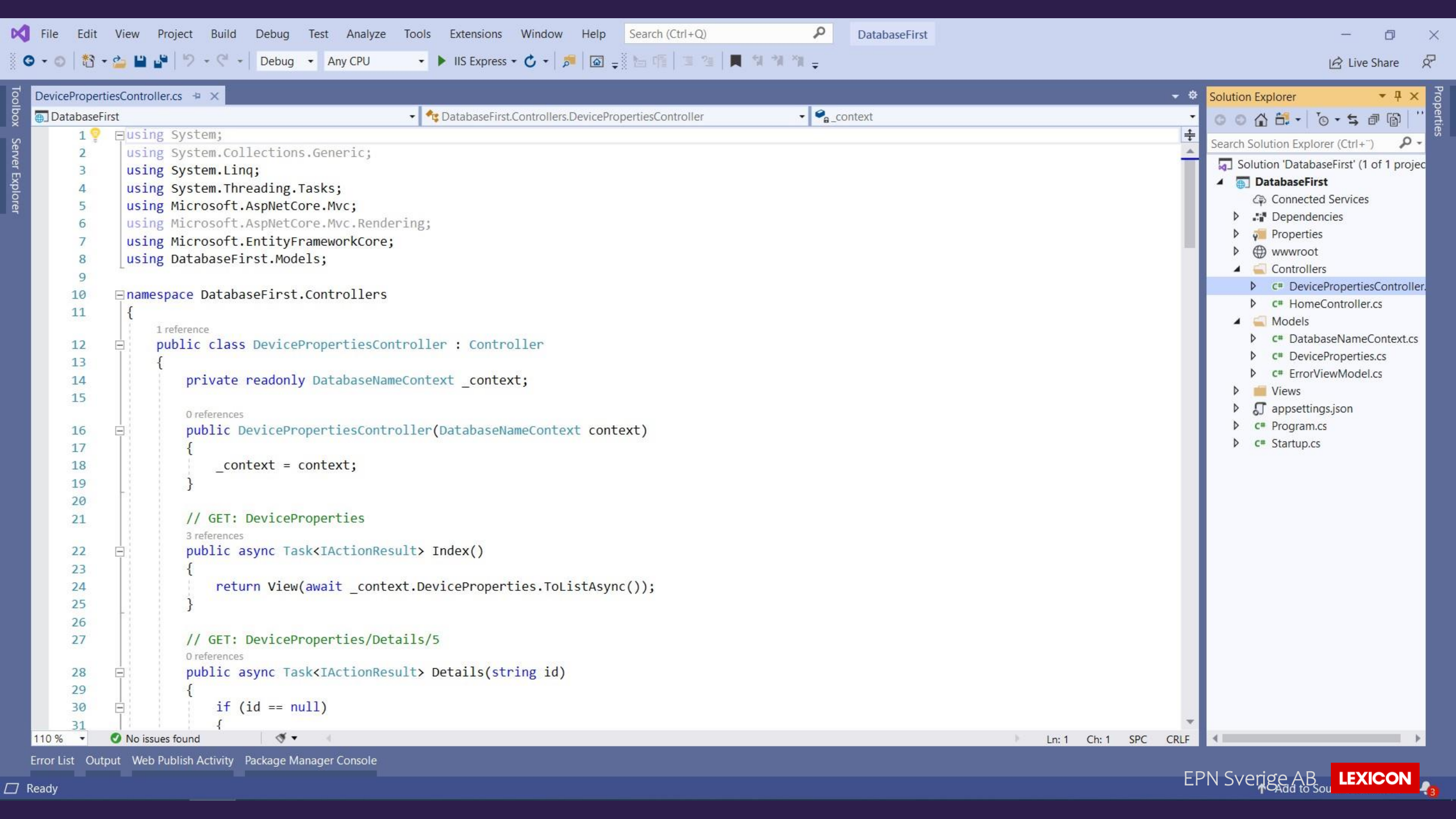
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Live Share
DevicePropertiesController.cs
DatabaseFirst
DatabaseFirst.Controllers.DevicePropertiesController
_context
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Microsoft.EntityFrameworkCore;
using DatabaseFirst.Models;
namespace DatabaseFirst.Controllers
{
1 reference
public class DevicePropertiesController : Controller
{
private readonly DatabaseNameContext _context;
0 references
public DevicePropertiesController(DatabaseNameContext context)
{
_context = context;
}
// GET: DeviceProperties
3 references
public async Task<IActionResult> Index()
{
return View(await _context.DeviceProperties.ToListAsync());
}
// GET: DeviceProperties/Details/5
0 references
public async Task<IActionResult> Details(string id)
{
if (id == null)
{
Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'DatabaseFirst' (1 of 1 projec
DatabaseFirst
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DevicePropertiesController.
HomeController.cs
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DatabaseNameContext.cs
DeviceProperties.cs
ErrorViewModel.cs
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appsettings.json
Program.cs
Startup.cs
110 %
No issues found
Ln: 1 Ch: 1 SPC CRLF
Error List Output Web Publish Activity Package Manager Console
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