



ASP.NET CORE WEB API

Skapa ett Web API via en färdig mall



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 or check out code

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 →](#)

Create a new project

Recent project templates

 Azure Functions	C#
 Console App (.NET Core)	C#
 Windows Forms App (.NET Framework)	Visual Basic
 ASP.NET Core Web Application	C#
 Console App (.NET Framework)	C#
 Azure Resource Group	C#
 ASP.NET Web Application (.NET Framework)	C#
 ASP.NET Web Application (.NET Framework)	Visual Basic

Search for templates (Alt+S)



Clear all

C#

All platforms

All project types



Console App (.NET Core)

A project for creating a command-line application that can run on .NET Core on Windows, Linux and MacOS.

C#

Linux

macOS

Windows

Console



ASP.NET Core Web Application

Project templates for creating ASP.NET Core web apps and web APIs for Windows, Linux and macOS using .NET Core or .NET Framework. Create web apps with Razor Pages, MVC, or Single Page Apps (SPA) using Angular, React, or React + Redux.

C#

Linux

macOS

Windows

Cloud

Service

Web



Blazor App

Project templates for creating Blazor apps that run on the server in an ASP.NET Core app or in the browser on WebAssembly. These templates can be used to build web apps with rich dynamic user interfaces (UIs).

C#

Linux

macOS

Windows

Cloud

Web



Class Library (.NET Standard)

A project for creating a class library that targets .NET Standard.

C#

Android

iOS

Linux

macOS

Windows

Library

Back

Next



Configure your new project

ASP.NET Core Web Application

C#

Linux

macOS

Windows

Cloud

Service

Web

Project name

WebApi

Location

C:\Users\HansMattin-Lassei\source\repos

...

Solution name 

WebApi

☐ 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

Author: Microsoft

Source: .NET Core 3.1.1

Back

Create

Visual Studio interface showing a C# Web API project named "WebApi".

Code Editor (WeatherForecast.cs):

```
1 using System;
2
3 namespace WebApi
4 {
5     public class WeatherForecast
6     {
7         public DateTime Date { get; set; }
8
9         public int TemperatureC { get; set; }
10
11         public int TemperatureF => 32 + (int)(TemperatureC / 0.5556);
12
13         public string Summary { get; set; }
14     }
15 }
16
```

Solution Explorer:

- Solution 'WebApi' (1 of 1 project)
 - WebApi
 - Connected Services
 - Dependencies
 - Properties
 - Controllers
 - appsettings.json
 - Program.cs
 - Startup.cs
 - WeatherForecast.cs** (highlighted with a red circle)

Bottom Bar:

- 133 %
- No issues found
- Ln: 1 Ch: 1 SPC CRLF
- Package Manager Console | Error List ... | Output | Web Publish Activity
- Ready
- Add to Source Control

FileEditViewProjectBuildDebugTestAnalyzeToolsExtensionsWindowHelp

Search (Ctrl+Q)

WebApi

DebugAny CPUIIS Express

Live Share

WeatherForecastController.csWeatherForecast.csWebApi

WebApiWebApi.Controllers.WeatherForecastControllerSummaries

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5 using Microsoft.AspNetCore.Mvc;
6 using Microsoft.Extensions.Logging;
7
8 namespace WebApi.Controllers
9 {
10     [ApiController]
11     [Route("[controller]")]
12     public class WeatherForecastController : ControllerBase
13     {
14         private static readonly string[] Summaries = new[]
15         {
16             "Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "Scorching"
17         };
18
19         private readonly ILogger<WeatherForecastController> _logger;
20
21         public WeatherForecastController(ILogger<WeatherForecastController> logger)
22         {
23             _logger = logger;
24         }
25
26         [HttpGet]
27         public IEnumerable<WeatherForecast> Get()
28         {
29             var rng = new Random();
30             return Enumerable.Range(1, 5).Select(index => new WeatherForecast
31             {
32                 Date = DateTime.Now.AddDays(index),
33                 TemperatureC = rng.Next(-20, 55),
34                 Summary = Summaries[rng.Next(Summaries.Length)]
35             })
36             .ToArray();
37         }
38     }
39 }
40
```

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'WebApi' (1 of 1 project)

WebApi

Connected Services

Dependencies

Properties

Controllers

C# WeatherForecastController

appsettings.json

C# Program.cs

C# Startup.cs

C# WeatherForecast.cs

91 %

No issues found

Ln: 1 Ch: 1 SPC CRLF

Package Manager ConsoleError List ...OutputWeb Publish Activity

Ready

Add to Source Control

Visual Studio interface showing a C# Web API project named "WebApi". The main editor displays the code for `WeatherForecastController.cs`, which is part of the `WebApi.Controllers` namespace. The code defines an `ApiController` with a `Route` attribute and a `WeatherForecastController` class that inherits from `ControllerBase`. The controller has a `Get()` method that returns a list of `WeatherForecast` objects.

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5 using Microsoft.AspNetCore.Mvc;
6 using Microsoft.Extensions.Logging;
7
8 namespace WebApi.Controllers
9 {
10     [ApiController]
11     [Route("[controller]")]
12     public class WeatherForecastController : ControllerBase
13     {
14         private static readonly string[] Summaries = new[]
15         {
16             "Freezing", "Bracing", "Chilly", "Cool", "Mild", "Warm", "Balmy", "Hot", "Sweltering", "Scorching"
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19         private readonly ILogger<WeatherForecastController> _logger;
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35             })
36             .ToArray();
37         }
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```

The Solution Explorer on the right shows the project structure:

- Solution 'WebApi' (1 of 1 project)
 - WebApi
 - Connected Services
 - Dependencies
 - Properties
 - Controllers
 - C# WeatherForecastController
 - appsettings.json
 - C# Program.cs
 - C# Startup.cs
 - C# WeatherForecast.cs

The status bar at the bottom indicates "91 %", "No issues found", and "Ln: 1 Ch: 1 SPC CRLF".


```
▼ [
  ▼ {
    "date": "2020-02-24T13:59:30.9958955+01:00",
    "temperatureC": 5,
    "temperatureF": 40,
    "summary": "Sweltering"
  },
  ▼ {
    "date": "2020-02-25T13:59:31.0091739+01:00",
    "temperatureC": -6,
    "temperatureF": 22,
    "summary": "Balmy"
  },
  ▼ {
    "date": "2020-02-26T13:59:31.0091905+01:00",
    "temperatureC": 20,
    "temperatureF": 67,
    "summary": "Sweltering"
  },
  ▼ {
    "date": "2020-02-27T13:59:31.009192+01:00",
    "temperatureC": -3,
    "temperatureF": 27,
    "summary": "Hot"
  },
  ▼ {
    "date": "2020-02-28T13:59:31.0091932+01:00",
    "temperatureC": 48,
    "temperatureF": 118,
    "summary": "Freezing"
  }
]
```

Raw Parsed