



Windows App SDK















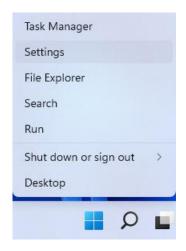
Setup and Start

Windows App SDK allows you to create Applications by providing a modern Development Platform for Windows 11 and Windows 10 for version 1809 and later. You can get Setup in Windows 11, Install what you need with Visual Studio 2022 and get ready to Start creating Applications using Windows App SDK.

Setup

You will need to enable **Developer Mode** in **Windows 11** if this has not been enabled then you can do so with the following:

Right-Click on **Start** then select **Settings** or Search for **Settings** from the **Start Menu** and Select it.

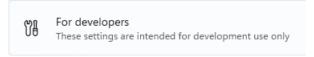


Next from **Settings** select **Privacy & security**

Then in **Privacy & security** select **For developers**

Finally in **For developers** make sure that the Toggle underneath Install apps from any source, **including loose files** is set to **On** if it is not already.





Developer Mode

Install apps from any source, including loose files.









Install

Windows App SDK Applications will be created using **Visual Studio 2022** to **Install** this, if this has not be done already or to check you have what you need, you can do so with the following:

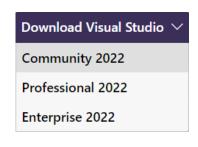
Visit <u>visualstudio.com</u> from your **Browser**, then from the **Download Visual Studio** section you can pick **Community 2022** which is a version of **Visual Studio 2022** that you can use for free to create your Applications with.

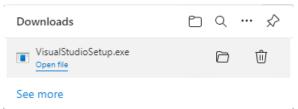
Next once the **Download** has completed from the **Thank you for downloading Visual Studio** screen choose the **Open file** option or similar in your **Browser** or find the **VisualStudioSetup.exe** in your **Downloads** and double-click on it.

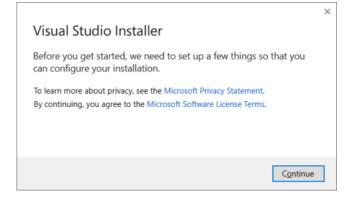
Once the **VisualStudioSetup.exe** has started this will launch the **Visual Studio Installer**, select **Continue** to begin **Installation**.

Next select .NET desktop development from the Workloads section in the Visual Studio Installer.

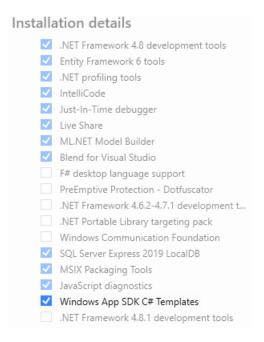
Then from Installation details make sure that Windows App SDK C# Templates is selected and then select Install or Modify and follow any further instructions to complete the Installation of Visual Studio 2022 and Windows App SDK.



















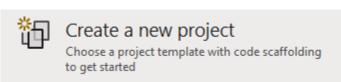
Start

To get Started with a **Tutorial** you will need to open **Visual Studio 2022** and **Create a new project**, do this with the following:

In **Windows 11** choose **Start** and then find or search for **Visual Studio 2022** and then select it.



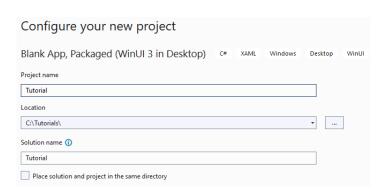
Once **Visual Studio 2022** has started select **Create a new project**.



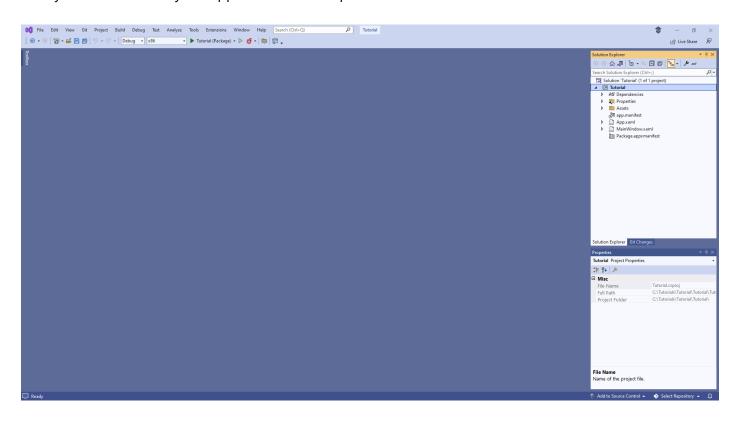
Then choose the **Blank App, Packages (WinUI in Desktop)** and then select **Next**.



After that in **Configure your new project** pick a **Project name** and **Location** and then select **Create**



Finally the Solution for your Application will be opened in Visual Studio 2022











Guide

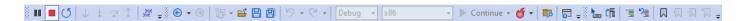
Visual Studio has a **Menu** at the top of the **Window**, when you need to do something from the **Menu** this is where you need to do it and there is also a **Search** box to find commands if needed.



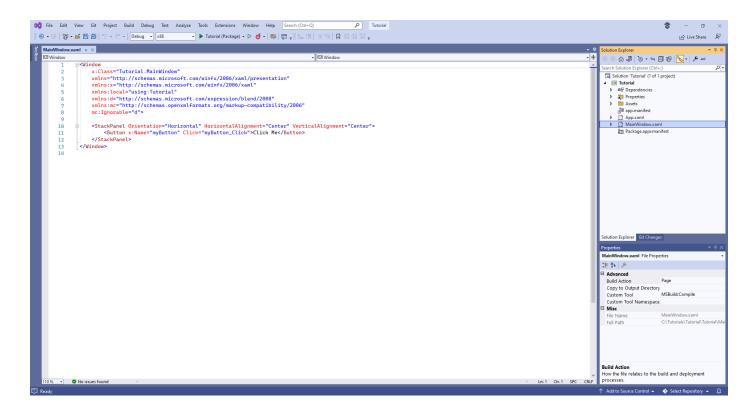
In **Visual Studio**, below the **Menu** is the **Toolbar** options include **Debug** which will Start your Application with the name of the Application along with other options including **Save**.



When your Application is **Running**, the **Toolbar** will change to include other options including **Stop** to finish **Debugging** and **Close** your Application.



When a **Solution** has been opened or created in **Visual Studio** to then **Edit** or **Add** any **XAML** for the **Main Window** for your Application in **Visual Studio** from **Solution Explorer** double-click on **MainWindow.xaml** for the **XAML** of **Main Window**.







Then to **Edit** or **Add** any **Code** for the **Main Window** for your Application, from **Solution Explorer** select the arrow next to **MainWindow.xaml** to reveal **MainWindow.xaml.cs** then double-click on it to for the **Code** for the **Main Window**.

```
📢 File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search(Ctrl+Q)
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                                                                                                                                                                                                                                                                                                                                                                                using Microsoft.UI.Xaml;
                                   using Microsoft.UI.Xaml;

using Microsoft.UI.Xaml.Controls;

using Microsoft.UI.Xaml.Controls.Primitives;

using Microsoft.UI.Xaml.Imput;

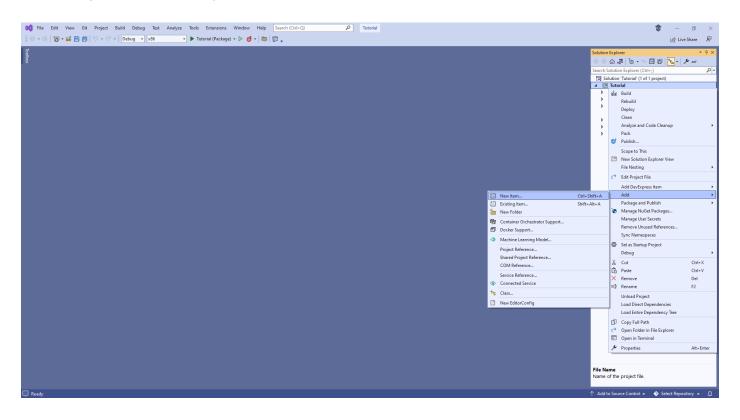
using Microsoft.UI.Xaml.Imput;

using Microsoft.UI.Xaml.Media;

using Microsoft.UI.Xaml.Media;
                                                                                                                                                                                                                                                                                                                                                                           Solution 'Tutorial' (1 of 1 project)

Tutorial
                                                                                                                                                                                                                                                                                                                                                                            using Microsoft.UI.Xml.Navigation;
using System;
using System.Collections.Generic;
using System.Ling;
using System.Ling;
using System.Ling;
using System.Ling;
using Windows.ApplicationModel.Appointments;
using Windows.ApplicationModel.Appointments;
using Windows.ApplicationModel.Appointments;
using Windows.Application;
using Windows.Foundation;
using Windows.Foundation.Collections;
using Windows.Media.Capture;
using Windows.Media.Capture;
using Windows.UI.Notifications;
                                         /// <summary>  
/// An empty window that can be used on its own or navigated to within a Frame.  
/// </summary>
                                          public sealed partial class MainWindow : Window
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                                                   oublic MainWindow()
                                                                                                                                                                                                                                                                                                                                                                          ■ Advanced
Build Action
                                               this.InitializeComponent();
                                                private void myButton_Click(object sender, RoutedEventArgs e)
{
                                                                                                                                                                                                                                                                                                                                                                                                               C:\Tutorials\Tutorial\Tuto
                                                        myButton.Content = "Clicked";
                                                                                                                                                                                                                                                                                                                                                                         Build Action
How the file relates to the build and deployment processes.
                 - 🧟 🛛 No issues found
```

If you need to **Add** anything else to your Application, in **Visual Studio** from **Solution Explorer** right-click on the **Project** which is displayed under the **Solution** and then select the **Add** then **New Item...** option.



In **Add New Item** you could select **Code File** in **Code** for a **Class** such as *Library.cs* or a **Blank Page** in **WinUI**, and then select the **Add** to include this new item in your Application and that concludes this **Tutorial** for **Windows App SDK** from <u>tutorialr.com</u>!







