# **Setup .NET MAUI**

1. Install Visual Studio 2022

https://visualstudio.microsoft.com/

Community edition is free.

Reference:

<https://learn.microsoft.com/en-us/dotnet/maui/>

Installation guide:

<https://dotnet.microsoft.com/en-us/learn/maui/first-app-tutorial/intro>

When Installing must select below Workload:

* .NET Multi-platform App UI (.NET MAUI) is a cross-platform framework for creating native mobile and desktop apps with C# and XAML.
* ASP.NET and Web Development
* If uses the Azure, then select “Azure development” as well.

1. Install .Net8 SDKs

<https://dotnet.microsoft.com/en-us/download/dotnet/8.0>

or <https://dotnet.microsoft.com/>

1. Install dotnet MAUI workload

Dotnet workload list

A screenshot of a computer

Description automatically generated

If we see result like above, meaning C:\Users\localadmin\ global.json file doesn’t reflect the latest installed dotnet sdk version

So to update the global.json:

Dotnet –info

Note:

Here give the location of global.json file:

C:\Users\localadmin\global.json

Open global.json file:

Existing content of the global.json file:

A screenshot of a computer

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Need to update as :

A close up of a text

Description automatically generated

The current installed version you can see

Dotnet --version

Now apply again to see the installed workloads:

Dotnet workload list

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We need to install maui workload. So execute following command

Dotnet workload install maui

Once installed verify the maui workload is installed:

Dotnet workload list

A screenshot of a computer

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* 1. Note:
     1. this workload will give us every thing that can we develop in Maui
     2. Ex: Maui extensions
     3. Emulators

Open command line & type below command to see the all the workloads that I have & who is the Installation Source :

Follow: <https://devblogs.microsoft.com/dotnet/announcing-dotnet-maui-in-dotnet-8-rc-1/>

Dotnet workload

1. Check Visual studio is up-to-date

Open Visual studio installer 🡪 Update

On command line:

Dotnet workload list

Update all the workload which install from latest vs extensions

Ex:

dotnet workload install maui-maccatalyst

dotnet workload install maui-windows

…

See the list : E:\Play\MAUI\Demos\School\1\_InstallationSetup\ installExtensions.txt

Finally

PS C:\Dev\StressTracker> dotnet workload list

Installed Workload Id Manifest Version Installation Source

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android 34.0.0-rc.2.479/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

ios 17.0.8477-net8-rc2.2/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

maccatalyst 17.0.8477-net8-rc2.2/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

maui 8.0.0-rc.2.9530/8.0.100-rc.2 SDK 8.0.100-rc.2

maui-android 8.0.0-rc.2.9530/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

maui-ios 8.0.0-rc.2.9530/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

maui-maccatalyst 8.0.0-rc.2.9530/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

maui-windows 8.0.0-rc.2.9530/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

wasm-tools 8.0.0-rc.2.23479.6/8.0.100-rc.2 SDK 8.0.100-rc.2, VS 17.7.34221.43

1. DotNet8 is still preview . when we try to create the New Project, we can’t see Target Framework as : .Net8

So need to enable to find the preview SDK

A screenshot of a computer

Description automatically generated

Restart the Visual Studio

Now we can create Maui App