# Setup Development PC to create C# Dotnet Web API & DotNet Maui Apps

1. Install Visual studio 2022

Latest VS2022 for now is : <https://devblogs.microsoft.com/visualstudio/visual-studio-2022-17-8-preview-2-has-arrived/>

install guide in : InstallVS2022.docx

Community edition is free

Other References:

<https://visualstudio.microsoft.com/downloads/>

<https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=Enterprise&channel=Preview&version=VS2022&source=VSLandingPage&cid=2060&passive=false>

A screenshot of a computer

Description automatically generated

1. Install .NET 8 SDKS

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

Windows x64

**Refs:**

<https://github.com/dotnet/core/blob/main/release-notes/8.0/install-windows.md>

<https://visualstudiomagazine.com/articles/2023/10/10/final-net8-rcs.aspx>

1. Install Dotnet workloads

workload will give us every thing that can we develop in Maui. Ex; Maui Extensions, Emulators etc..

in command line :

dotnet workload list

dotnet workload install maui

See : InstallWorkloads.txt

1. MAUI Setup & App development

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

1. Test Maui App on Android

Make sure Android SDK Platform 34 (for this version) is installed. Please see : KnownErrorsAndFixes.docx

Then can launch the app via Android Simulator. It works

* Debug
* Hot Reload etc..

1. Test Maui App on iOS Mobile phone without Mac

* We have to have Apple Developer Id
* <https://appleid.apple.com/account?appId=632&returnUrl=https%3A%2F%2Fdeveloper.apple.com%2Faccount%2F>
  + Its 99 Eur /Year
* Then <https://developer.apple.com/developer-id/>
* Once we have Apple Developer Id, then need to generate Apple Developer API Key.
  + <https://developer.apple.com/documentation/appstoreconnectapi/creating_api_keys_for_app_store_connect_api>
* With this we could
  + Provision the Apps
* Refs:
  + <https://www.youtube.com/watch?v=tJUcBQ07jSc&t=455s>
  + <https://www.youtube.com/watch?v=snQ1C6Cppr8&t=695s>

1. Release Maui app to App store
   1. <https://www.youtube.com/watch?v=kpZi5xAvpZA&t=721s>
2. If you need to have DevOps for your Source control, manage User stories, Pull request, Release pipelines etc..

You can refer : 2\_SetupDevOps\_Optional.docx

**Note:**

DevOps is free for single user contribution (Commit codes)