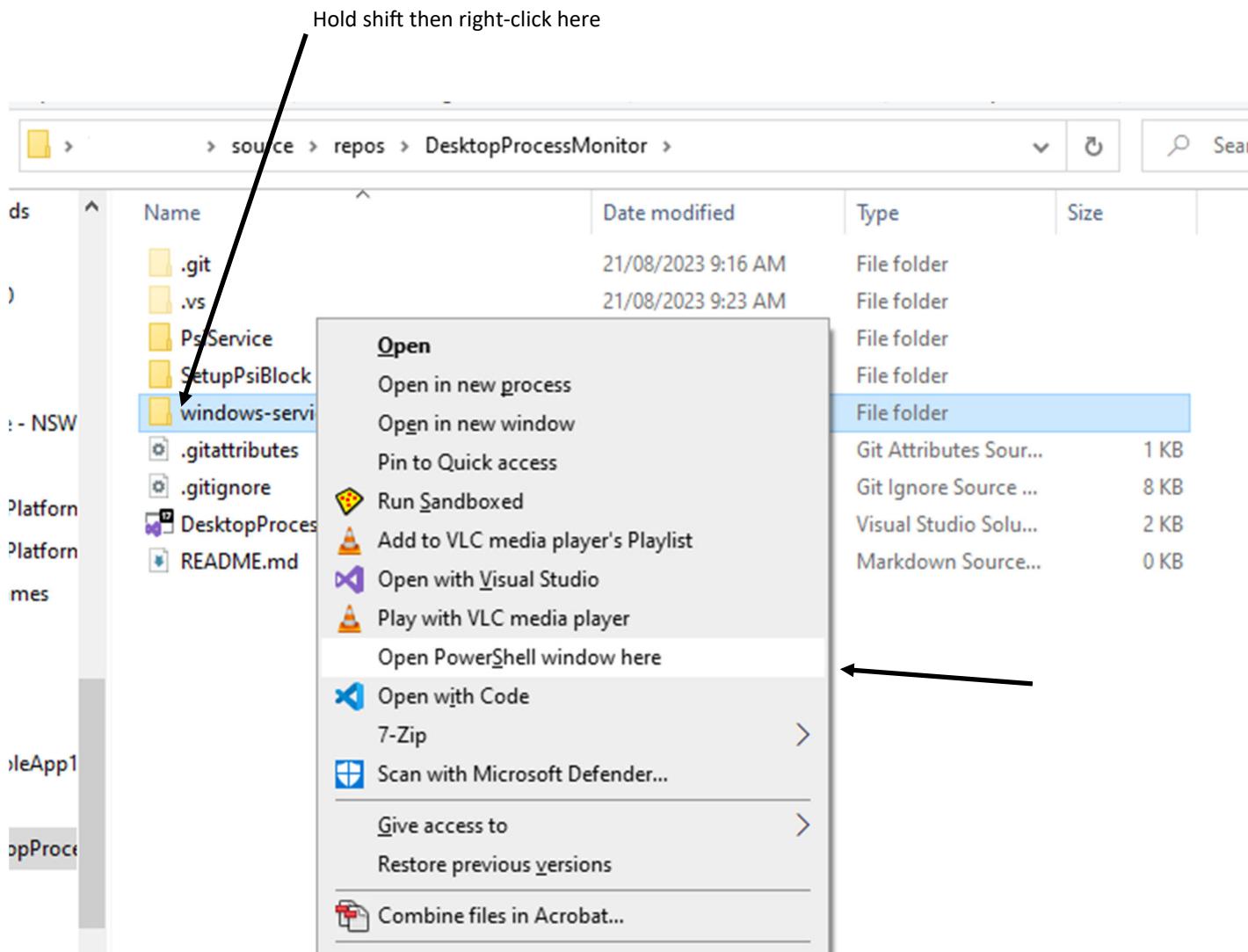


# Visual Studio

Guide to build project in Visual Studio 2022

1. Download and unzip the Github repo
2. Install Cli-wrap via command-line following the images below .



```
dotnet add App.WindowsService.csproj package CliWrap
```

---

```
\source\repos\DesktopProcessMonitor\windows-service> dotnet add App.WindowsService.csproj package CliWrap
```

Download and install “Installer Projects” from Microsoft: [Microsoft Visual Studio Installer Projects 2022 - Visual Studio Marketplace](#)

The screenshot shows the Microsoft Visual Studio Marketplace interface. At the top, there's a navigation bar with 'Visual Studio | Marketplace' on the left, a 'Sign in' button, and a search bar with a magnifying glass icon on the right. Below the navigation bar, the breadcrumb path 'Visual Studio > Tools > Microsoft Visual Studio Installer Projects 2022' is displayed. The main content area features a large image of an open cardboard box on the left. To its right, the title 'Microsoft Visual Studio Installer Projects 2022' is prominently displayed in bold black text. Below the title, it says 'Microsoft' and shows '401,656 installs'. A rating of '(32)' with three red stars and one yellow star is also shown. The word 'Free' is indicated. A brief description follows: 'This official Microsoft extension provides support for Visual Studio Installer Projects in Visual Studio 2022.' A large green 'Download' button is centered below the description. At the bottom of this section, there are three tabs: 'Overview' (which is underlined, indicating it's the active tab), 'Q & A', and 'Rating & Review'.

This extension provides the same functionality that currently exists in Visual Studio 2019 for Visual Studio Installer projects. To use this extension, you can either open the Extensions and Updates dialog, select the online node, and search for "Visual Studio Installer Projects," or you can download directly from this page.

Once you have finished installing the extension and restarted Visual Studio, you will be able to open existing Visual Studio Installer projects, or create new ones.

The documentation is available here: <https://aka.ms/vdproj-docs>

For modern deployment targeting Windows 10 you can also use the [Windows Packaging Project](#) to create APPX

#### Categories

Tools   Setup & Deployment

#### Tags

Setup & Deploy   Windows Installer

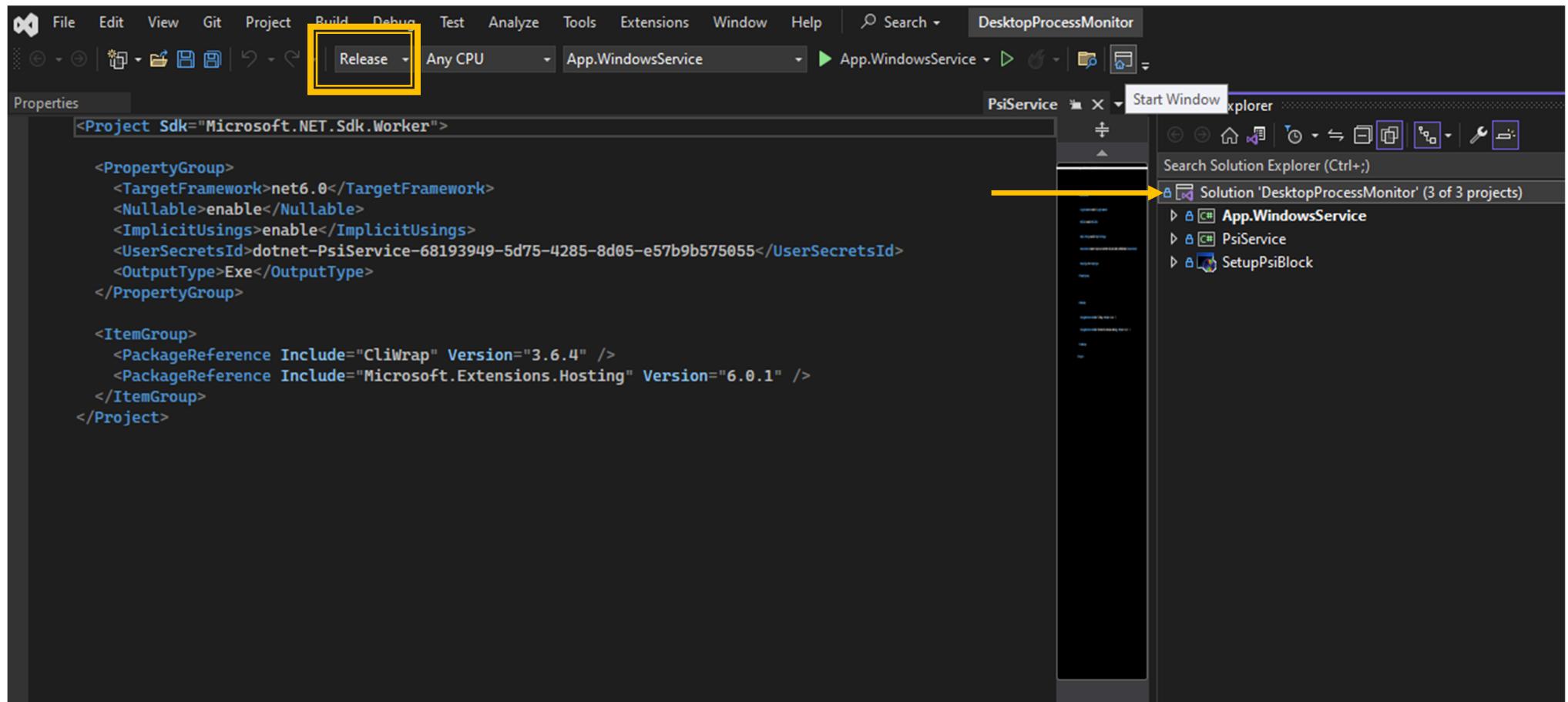
#### Works with

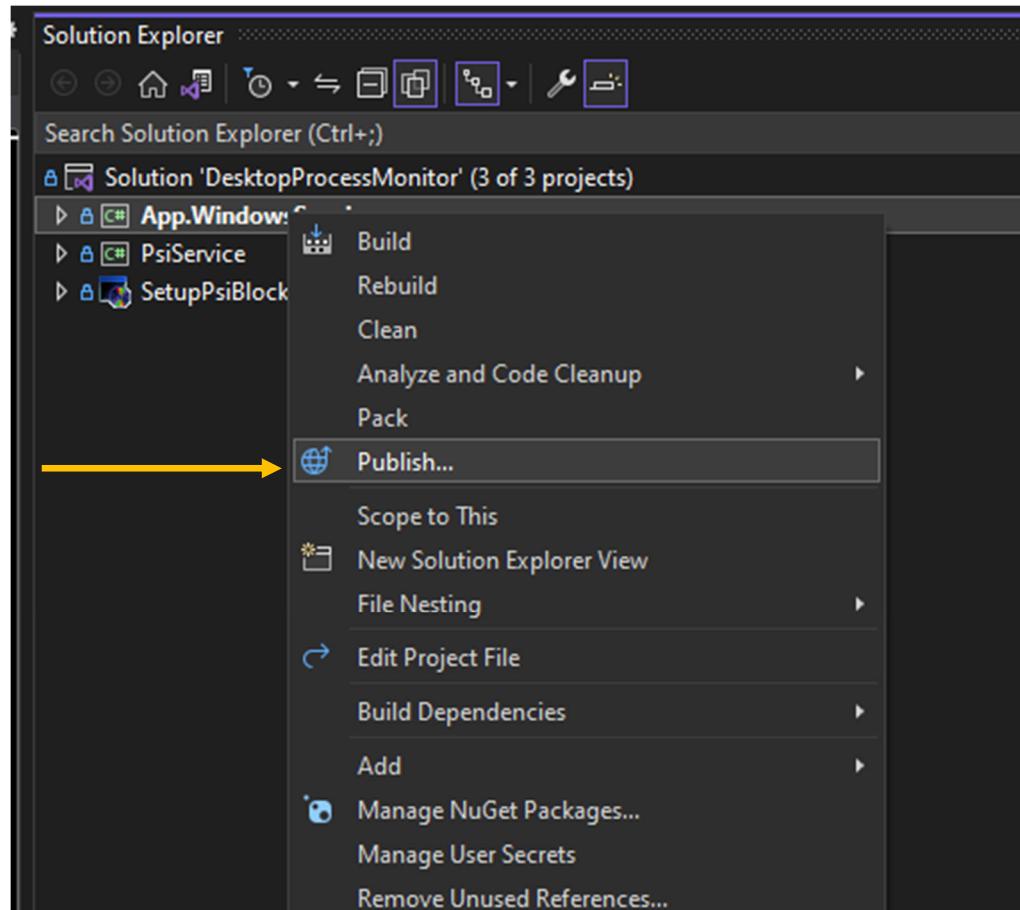
Visual Studio 2022 (amd64)

Open the main project in Visual Studio 2022

Name	Date modified	Type	Size
.git	21/08/2023 9:16 AM	File folder	
.vs	21/08/2023 9:23 AM	File folder	
PsiService	21/08/2023 9:41 AM	File folder	
SetupPsiBlock	21/08/2023 9:23 AM	File folder	
windows-service	21/08/2023 9:30 AM	File folder	
.gitattributes	21/08/2023 9:15 AM	Git Attributes Sour...	
.gitignore	21/08/2023 9:15 AM	Git Ignore Source ...	
DesktopProcessMonitor.sln	21/08/2023 9:15 AM	Visual Studio Solu...	
README.md	21/08/2023 9:15 AM	Markdown Source...	

Ensure the solution is set to "Release"





Right-click on the App.WindowsService project and selected  
Publish



# Publish

Where are you publishing today?

Target



Azure

Publish your application to the Microsoft cloud



Docker Container Registry

Publish your application to any supported Container Registry that works with Docker images



Folder

Publish your application to a local folder or file share



Import Profile

Import your publish settings to deploy your app

Back

Next

Finish

Cancel



# Publish

Provide the path to a local or network folder

Target

Folder location

bin\Release\net7.0-windows\win-x64\publish\

[Browse...](#)

Location

For local folders you can provide either a full path or a relative path to the project, for example:

- publish\ (relative path)
- C:\Users\Username\Documents (full path)

For network folders you have to use \\ and then either the computer name or IP address, for example:

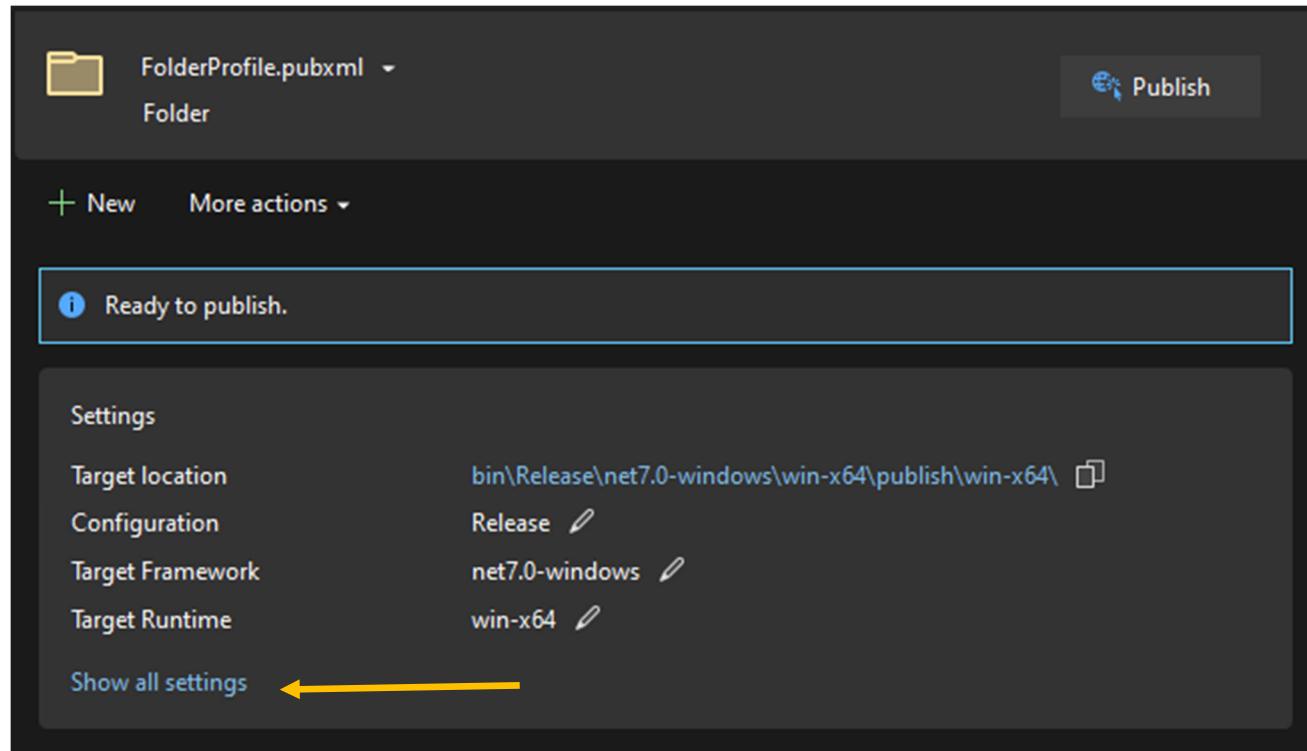
- \\server1\fileshare1
- \\192.168.1.17\fileshare1

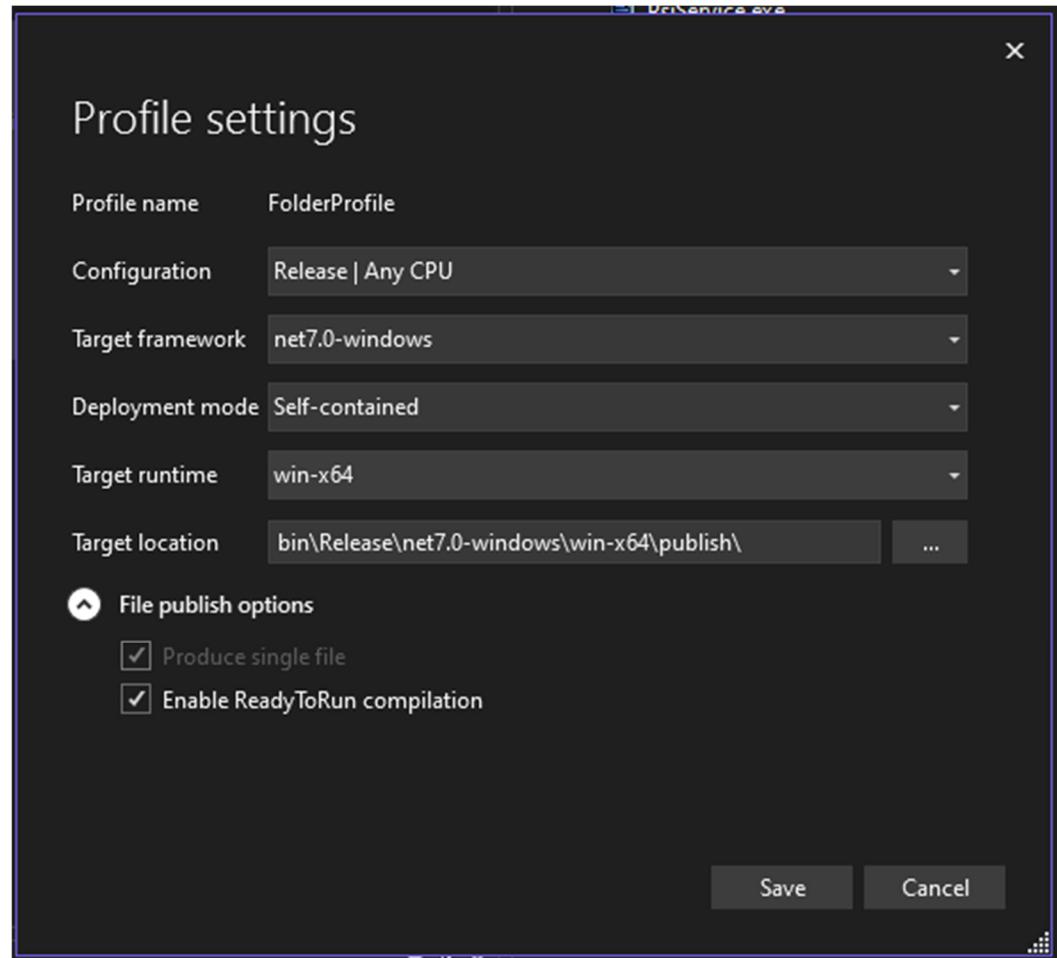
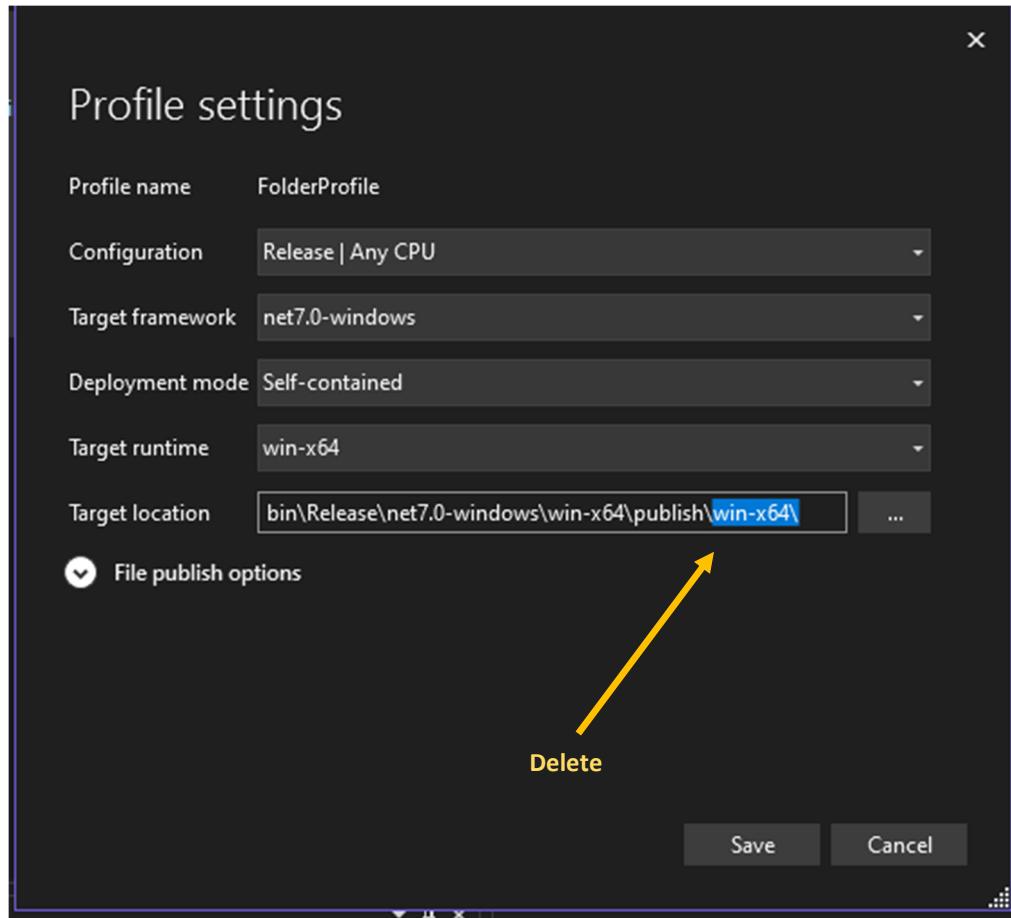
[Back](#)

[Next](#)

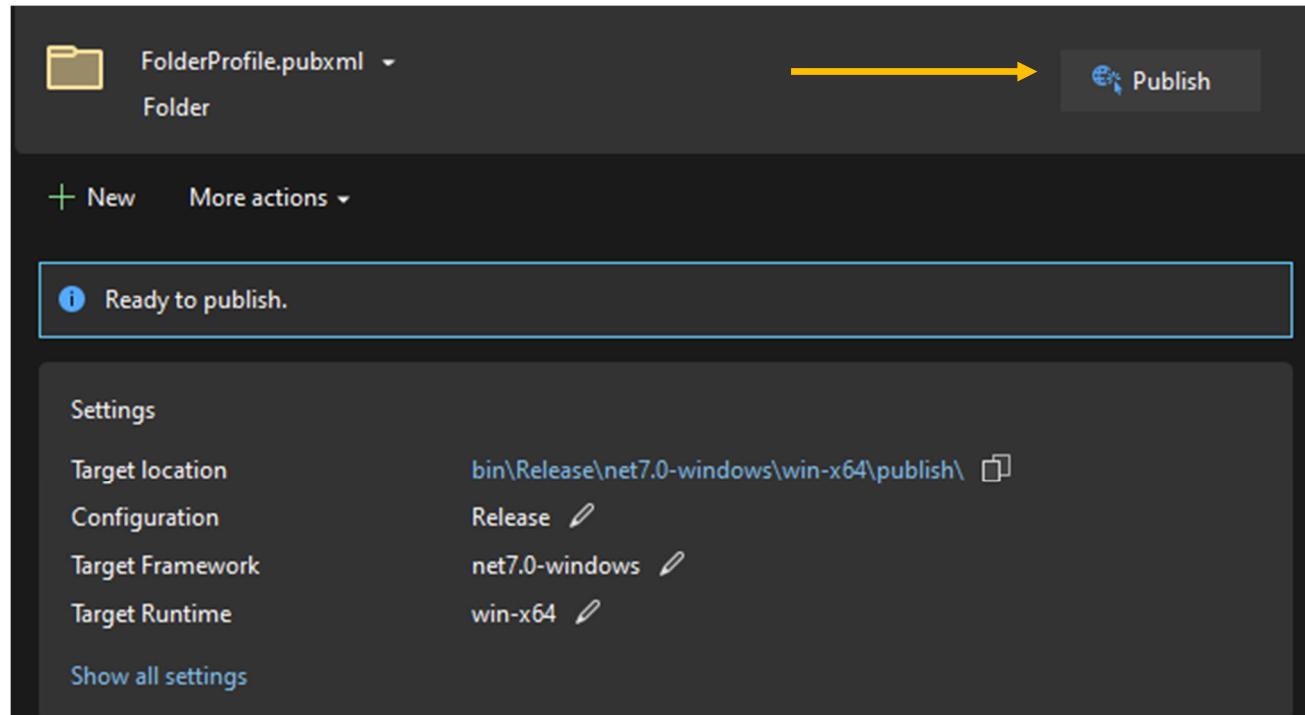
[Finish](#)

[Cancel](#)

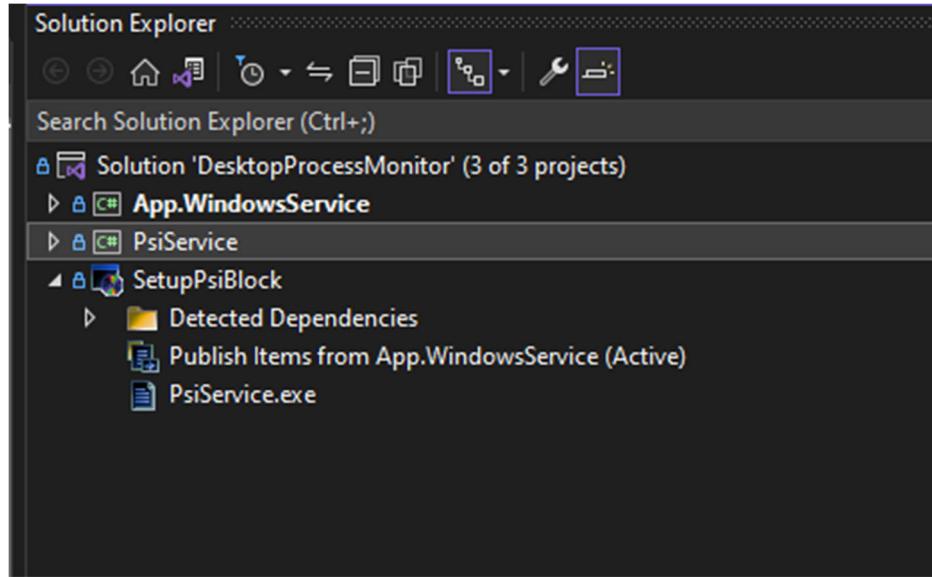




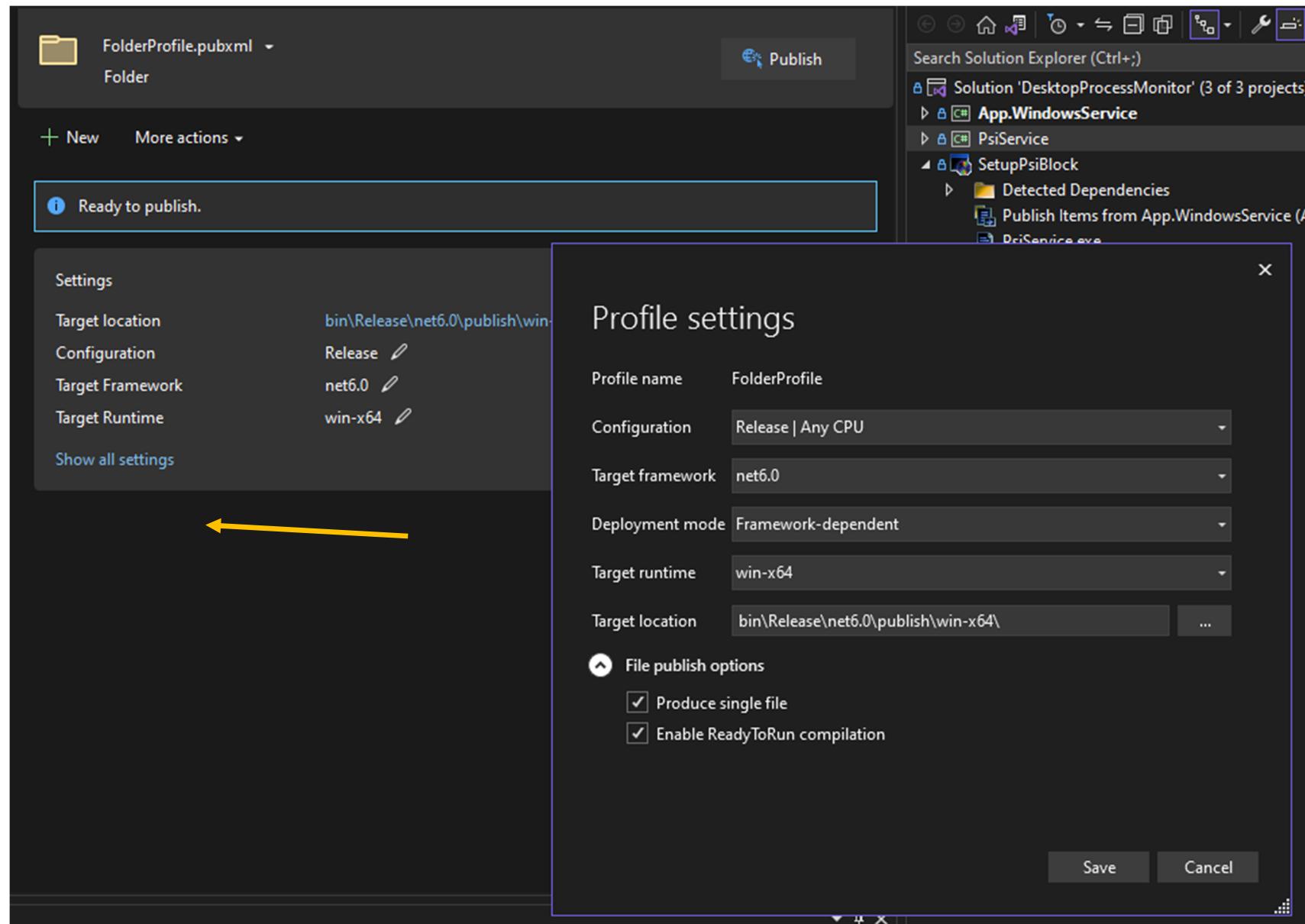
Adjust all settings to match the above



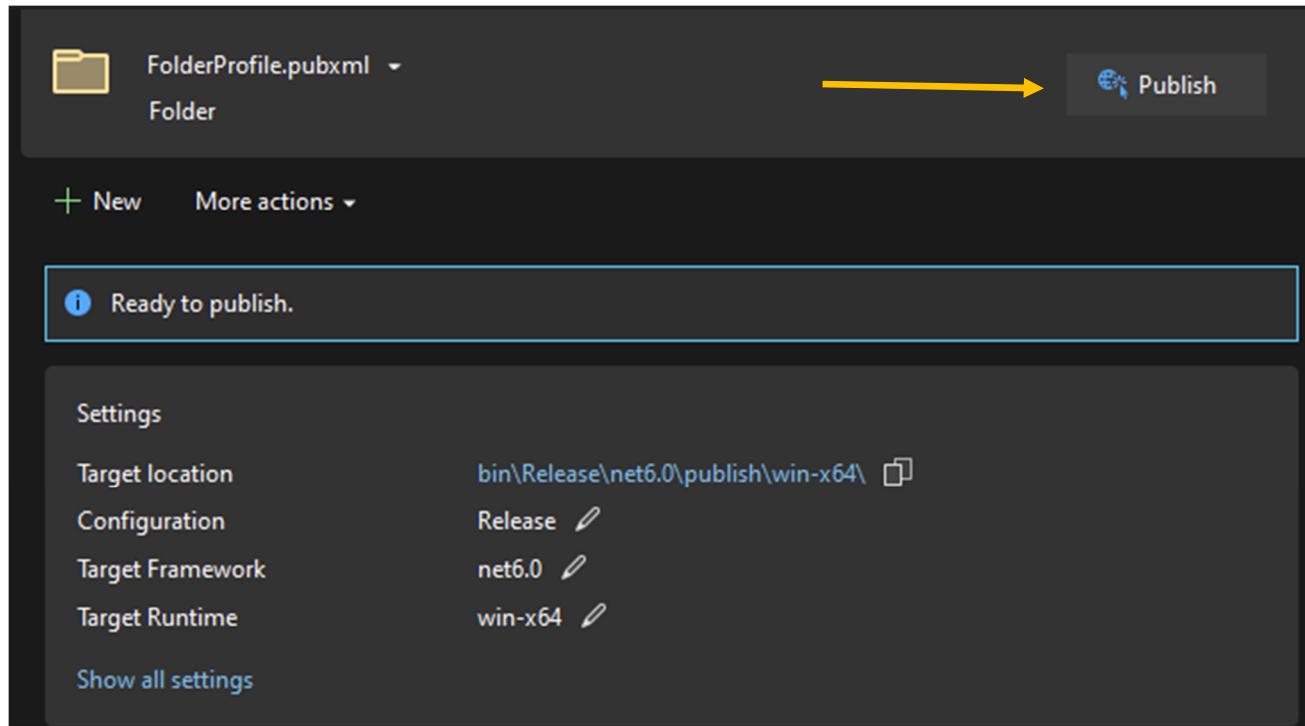
Hit publish



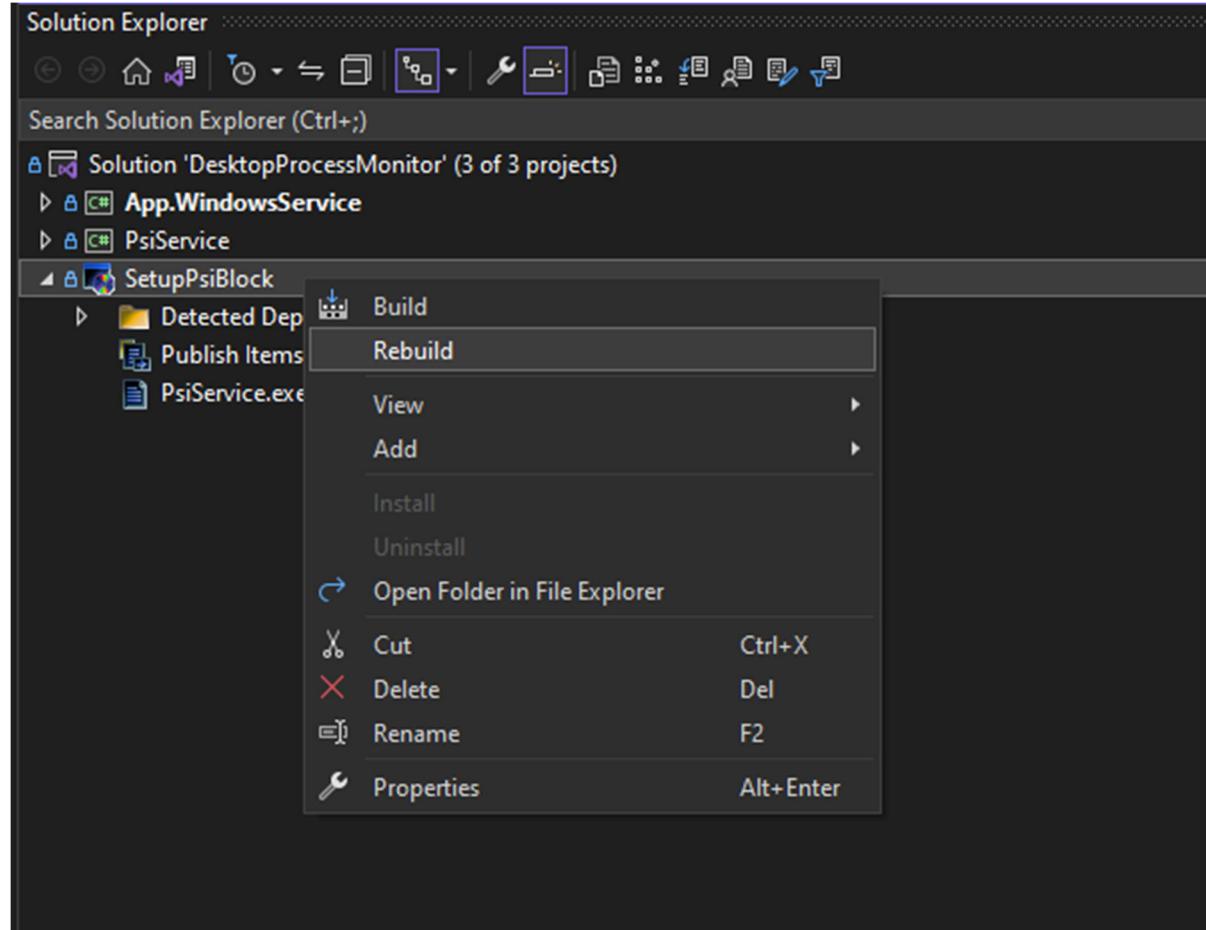
Right-click PsiService and select Publish



Match all settings as above. Don't delete "Win-X64" on this page.



Hit publish



Right-click setup, select Rebuild



Search Release

Name	Date modified	Type	Size
setup.exe	21/08/2023 9:47 AM	Application	546 KB
SetupPsiBlock.msi	21/08/2023 9:47 AM	Windows Installer ...	33,673 KB



You can install the service now



— □ ×



## Select Installation Folder

The installer will install SetupPsiBlock to the following folder.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder:

C:\Program Files\NSW DoE\SetupPsiBlock\

[Browse...](#)

[Disk Cost...](#)

Install SetupPsiBlock for yourself, or for anyone who uses this computer:

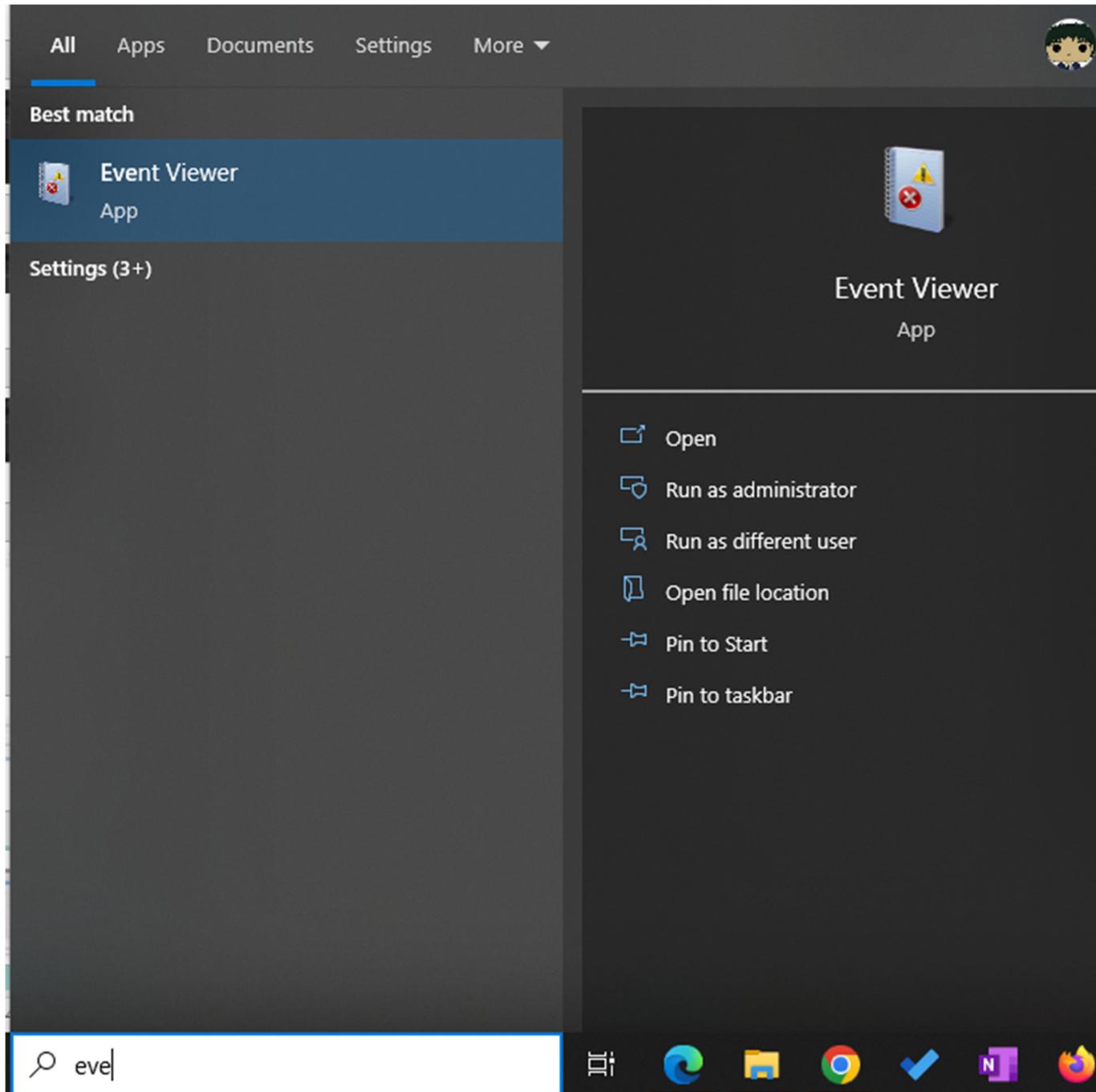
Everyone

Just me

[< Back](#)

[Next >](#)

[Cancel](#)



To see the status of the service, open Windows Event Viewer

Messages listed as “Warning” are not an issue. However error messages would indicate a problem.

## Event Viewer

File Action View Help



### Event Viewer (Local)

- > Custom Views
- < Windows Logs
  - Application
  - Security
  - Setup
  - System
  - Forwarded Events
- > Applications and Services Log
- < Subscriptions

### Application Number of events: 21,526

Level	Date and Time	Source	Event ID	Task Ca...
Information	21/08/2023 9:56:33 AM	Msilnstaller	1033	None
Information	21/08/2023 9:56:33 AM	Msilnstaller	11707	None
Information	21/08/2023 9:56:32 AM	NSW DoE AppGuard	0	None
Warning	21/08/2023 9:56:32 AM	NSW DoE AppGuard	0	None
Information	21/08/2023 9:56:32 AM	NSW DoE AppGuard	0	None
Warning	21/08/2023 9:56:32 AM	NSW DoE AppGuard	0	None
Information	21/08/2023 9:56:32 AM	RestartManager	10001	None
Information	21/08/2023 9:56:32 AM	Msilnstaller	1042	None
Information	21/08/2023 9:56:29 AM	RestartManager	10000	None
Information	21/08/2023 9:56:28 AM	Msilnstaller	1040	None
Information	21/08/2023 9:55:04 AM	RestartManager	10001	None
Information	21/08/2023 9:55:04 AM	Msilnstaller	1042	None
Information	21/08/2023 9:55:04 AM	Msilnstaller	1034	None
Information	21/08/2023 9:55:04 AM	Msilnstaller	11724	None
Information	21/08/2023 9:55:01 AM	RestartManager	10000	None
Information	21/08/2023 9:55:01 AM	Msilnstaller	1040	None
Information	21/08/2023 9:54:28 AM	Msilnstaller	1035	None
Information	21/08/2023 9:54:28 AM	Msilnstaller	11729	None
Error	21/08/2023 9:40:06 AM	VSTTExecution	0	None
Error	21/08/2023 9:40:06 AM	VSTTExecution	0	None
Information	21/08/2023 9:26:35 AM	Microsoft Office	2011	None
Information	21/08/2023 9:26:33 AM	Security-SPP	1003	None
Information	21/08/2023 9:26:32 AM	Security-SPP	1003	None
Information	21/08/2023 9:26:32 AM	Security-SPP	16394	None
Information	21/08/2023 9:06:35 AM	Firefox Default Browser Agent	0	None
Information	21/08/2023 9:06:35 AM	Firefox Default Browser Agent	0	None
Information	21/08/2023 8:56:01 AM	Security-SPP	16384	None

### Event 0, NSW DoE AppGuard

General Details

Category: App.WindowsService.WindowsBackgroundService  
EventId: 0

0 Started PsiService in Session ID: 1

Task Manager

File Options View

Processes Performance App history Startup Users Details Services

Name	Status	18% CPU	60% Memory	0% Disk	0% Network
PowerToys.ColorPickerOr...		0%	2.0 MB	0 MB/s	0 Mbps
PowerToys.FancyZones		0%	1.2 MB	0 MB/s	0 Mbps
PowerToys.KeyboardManagerEn...		0%	0.4 MB	0 MB/s	0 Mbps
PowerToys.Peek.UI		0.5%	4.7 MB	0 MB/s	0 Mbps
PowerToys.PowerOCR		0%	0.2 MB	0 MB/s	0 Mbps
PowerToys.Run		0%	4.0 MB	0 MB/s	0 Mbps
PowerToys.Runner		0%	2.8 MB	0 MB/s	0 Mbps
PresentationFontCache.exe		0%	0.3 MB	0 MB/s	0 Mbps
PsiService		4.4%	17.3 MB	0 MB/s	0 Mbps
Realtek HD Audio Universal Serv...		0%	0.5 MB	0 MB/s	0 Mbps
Realtek HD Audio Universal Serv...		0%	1.1 MB	0 MB/s	0 Mbps
Realtek HD Audio Universal Serv...		0%	0.4 MB	0 MB/s	0 Mbps
Runtime Broker		0%	8.7 MB	0 MB/s	0 Mbps
Runtime Broker		0%	2.7 MB	0 MB/s	0 Mbps
Runtime Broker		0%	1.1 MB	0 MB/s	0 Mbps

Fewer details End task

In task manager the process looks like this.

## Apps & features

### Optional features

### App execution aliases

Search, sort, and filter by drive. If you would like to uninstall or move an app, select it from the list.

Search this list



Sort by: Install date ▾

Filter by: All drives ▾

135 apps found

 SetupPsiBlock	78.6 MB	
	21/08/2023	
 Microsoft To Do Microsoft Corporation	73.5 MB	
	17/08/2023	
 English (United Kingdom) Local Experience Pack Microsoft Corporation	29.3 MB	
	16/08/2023	
 GitHub Desktop	138 MB	
	16/08/2023	

Windows

Installing wi

Turning off

Repairing a

To uninstall the service use Add Remove programs

 Get he

 Give fe