

Install winget-cli and Windows Terminal apps for Windows Server 2022

Me ekremsaydam.com.tr/install-winget-cli-and-windows-terminal-apps-for-windows-server-2022-cee6c8078313

Ekrem SAYDAM

March 3, 2024

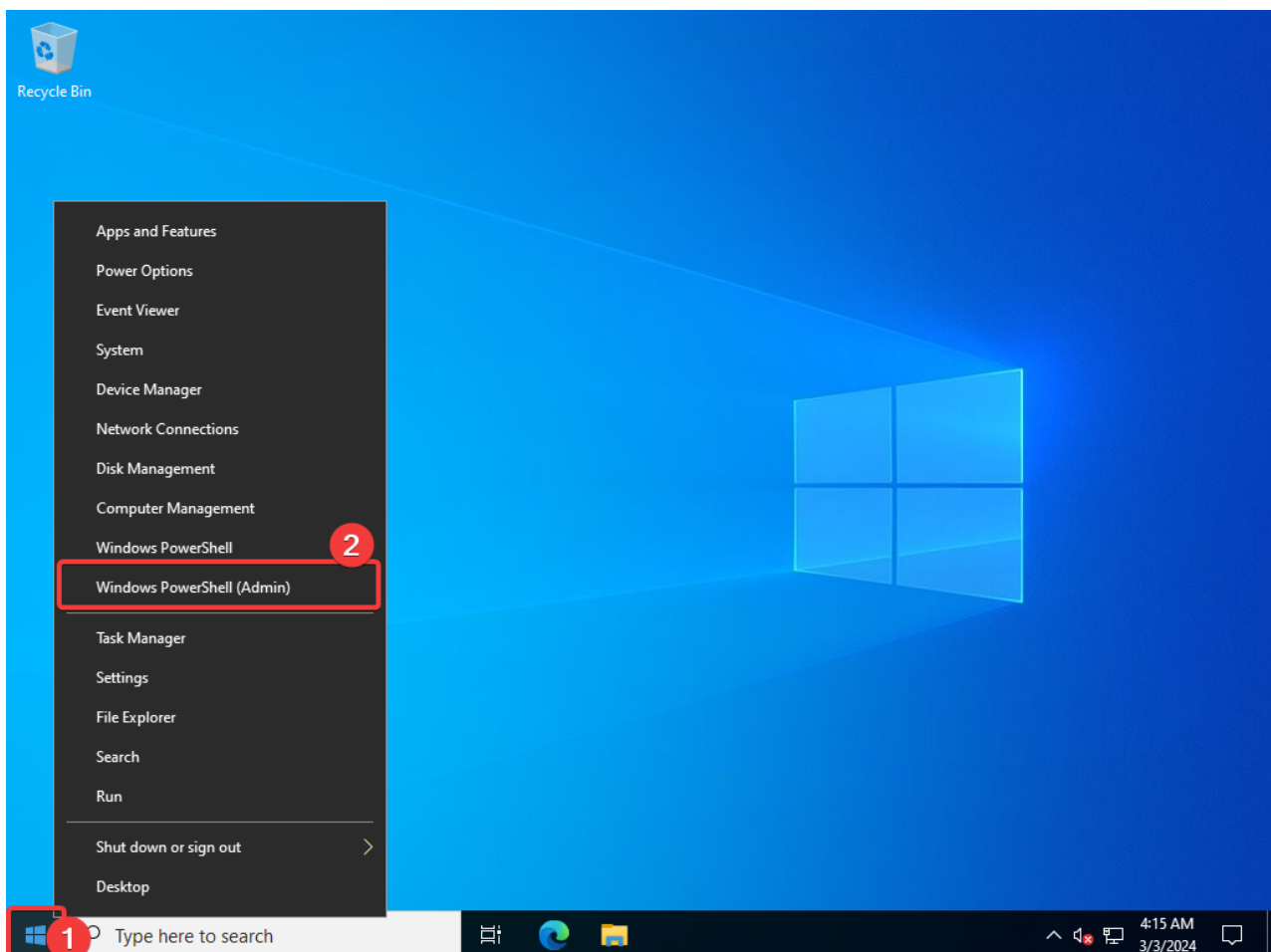


Ekrem SAYDAM

There is no Microsoft Store in any version of Windows Server 2022. Therefore, the winget tool is also not available. Winget, which stands out with its similarity to tools such as apt-get, which Linux users use to install applications, has become a frequently used tool today. However, it is not available in the Windows Server family for now. I think it is a deficiency and I think that Microsoft can take action on this issue and make this tool available in the standard installation.

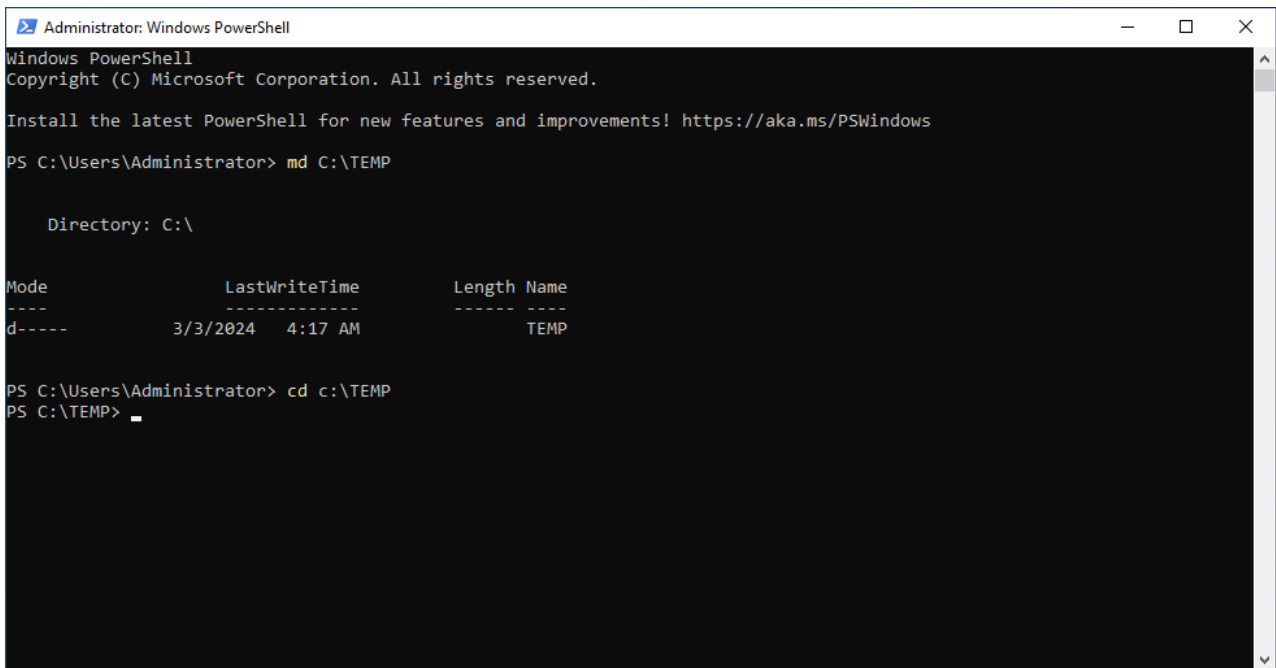
The fact that it is not available in current Windows Server installations does not mean that we cannot use it. Later in the article we will discuss how to do this installation.

Click with the right mouse button on the Start menu and select Windows PowerShell (Admin) from the drop-down menu.



In the PowerShell screen that opens, the following commands are applied to temporarily create a TEMP folder on the C drive and locate in the created folder.

```
md c:\TEMP c:\TEMP
```



```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

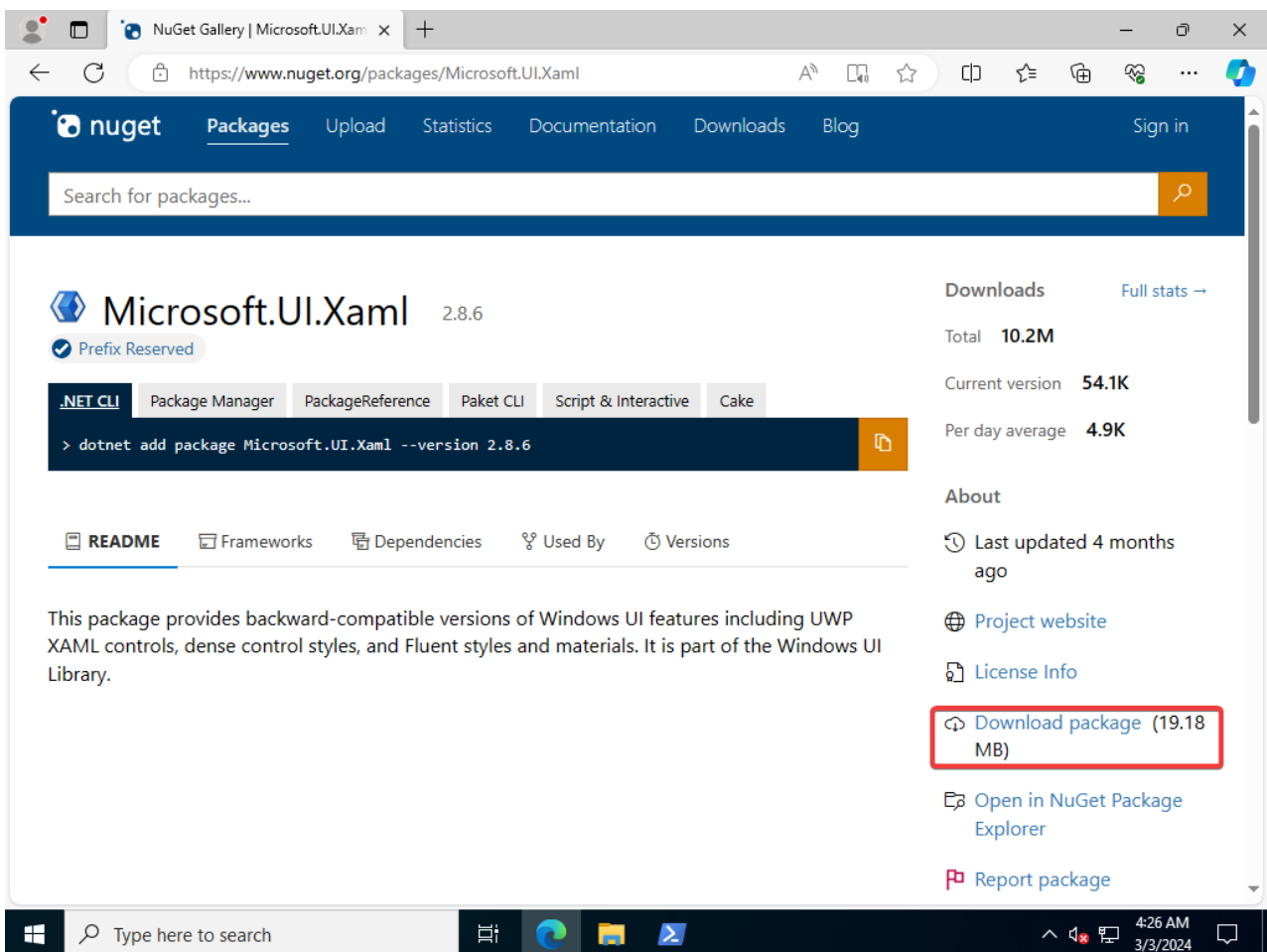
PS C:\Users\Administrator> md C:\TEMP

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:17 AM             TEMP

PS C:\Users\Administrator> cd c:\TEMP
PS C:\TEMP>
```

Then, since the [NuGet Gallery | Microsoft.UI.Xaml](https://www.nuget.org/packages/Microsoft.UI.Xaml) package is needed to install winget, this package must be installed first

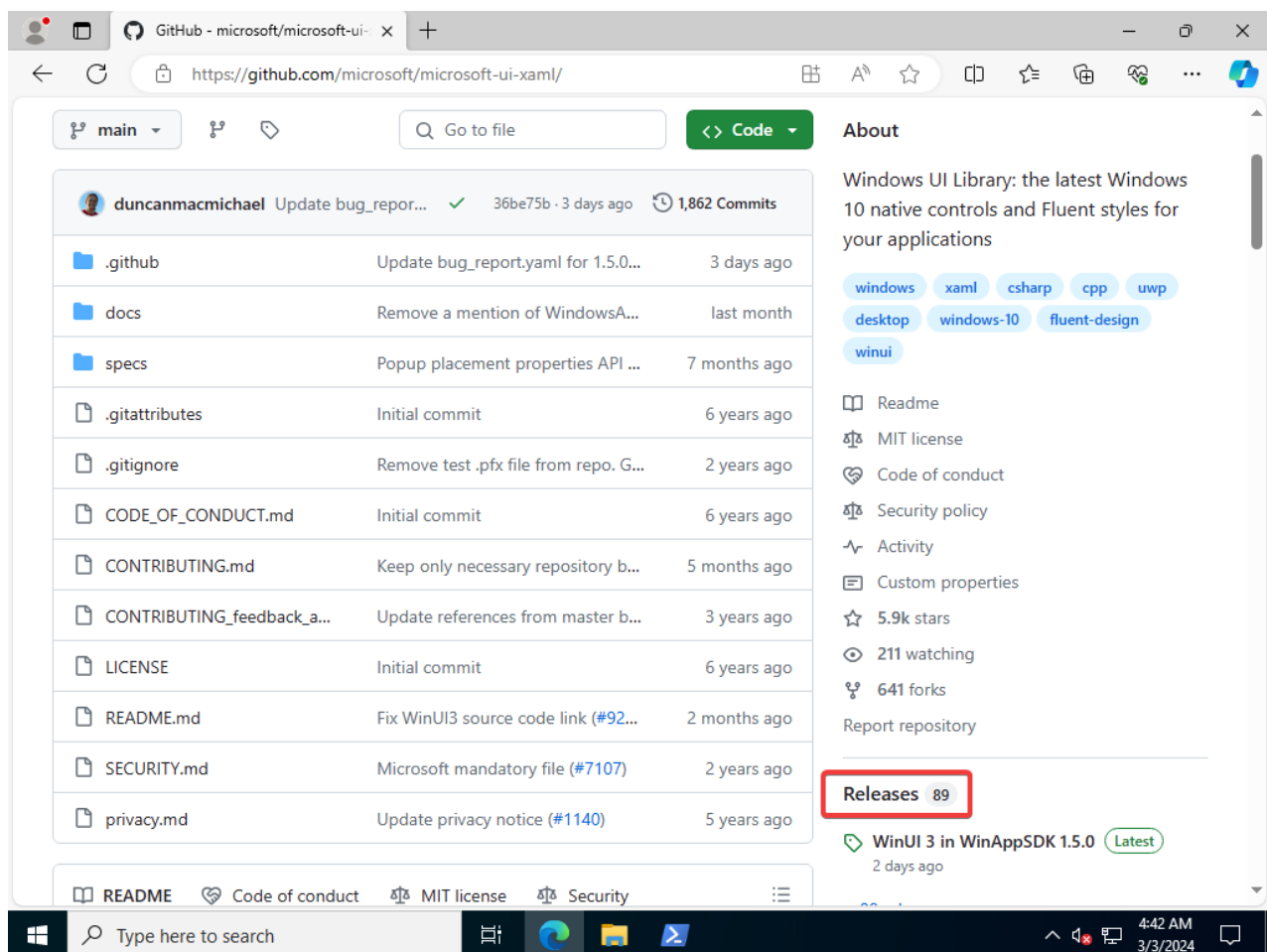


In order to install this package, you can manually click [Download package](#) on the web page on the [NuGet Gallery](#).| [Microsoft.UI.Xaml](#) link or the following command can be applied. It should be noted here that the file saved with the zip extension instead of the nupkg extension should be replaced. Instead of manual download, the installation process can also be done by applying the following commands in powershell.

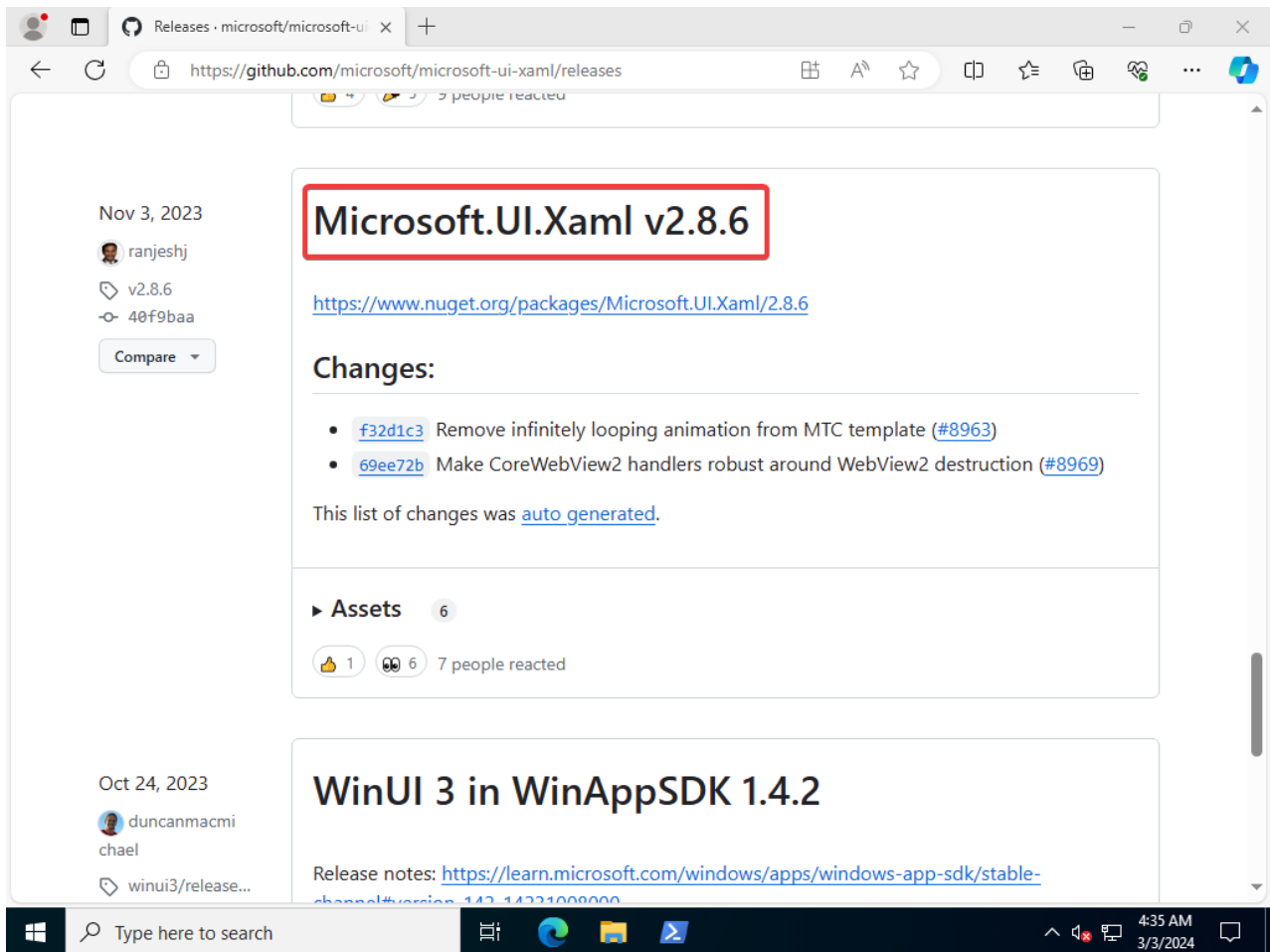
```
Invoke-WebRequest -Uri  
https://www.nuget.org/api/v2/package/Microsoft.UI.Xaml/2.8.6 -Method Get -OutFile  
microsoft.ui.xaml.2.8.6.zipExpand-Archive microsoft.ui.xaml.2.8.6.zipAdd-  
AppxPackage -Path  
.\microsoft.ui.xaml.2.8.6\tools\AppX\x64\Release\Microsoft.UI.Xaml.2.8.appx
```

The above commands are to install the package using the Microsoft.UI.Xaml.2.8.appx file that we have extracted from the zip file.

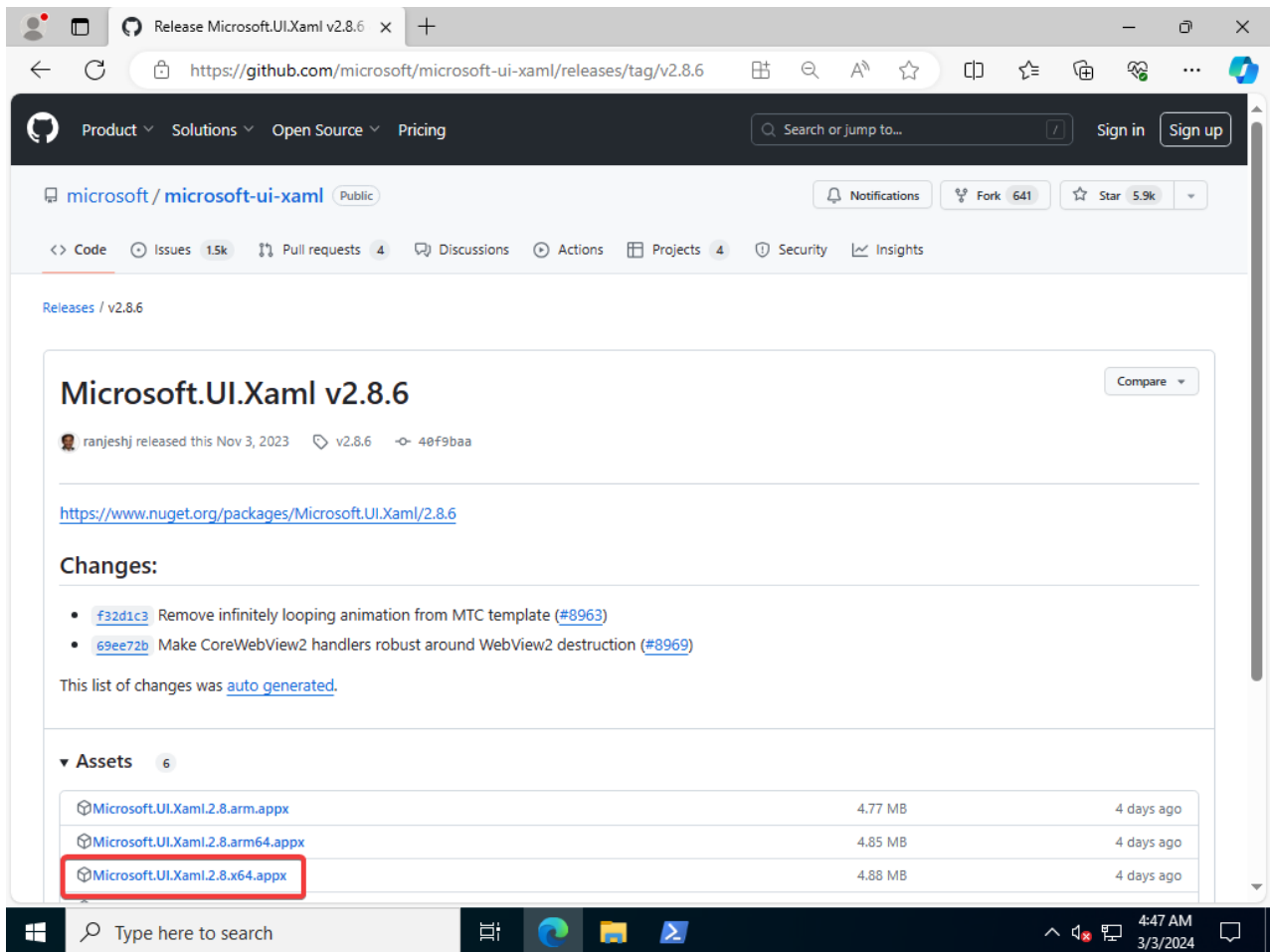
Instead of the above process, you can use the [Releases](#) link directly using [GitHub — microsoft/microsoft-ui-xaml: Windows UI Library: the latest Windows 10 native controls and Fluent styles for your applications](#).



From the page that opens, we will continue by clicking on the [Microsoft.UI.Xaml v2.8.6](#) title link.



On the page that appears, you can click on the Microsoft.UI.Xaml.2.8.x64.appx file name in the Assets section and continue by installing this file in the C:\TEMP directory.



In the above explanations, instead of manually uploading the files found in the source links of the web pages, the necessary uploads can be made with direct powershell commands as follows. The purpose of the long explanation here is to show the readers of this article where these links come from. Now let's do the installation process with the help of the commands below.

```
Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appxAdd-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
```

```
Administrator: Windows PowerShell
Windows PowerShell
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Writing web request
Writing request stream... (Number of bytes written: 2072254)

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:17 AM             TEMP

PS C:\Users\Administrator> cd c:\TEMP
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
```

```
Administrator: Windows PowerShell
Windows PowerShell
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Deployment operation progress: C:\TEMP\Microsoft.UI.Xaml.2.8.x64.appx
Processing
[oooooooooooooooooooooooooooooooooooooooooooooooooooo]

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
```

Then the Microsoft.VCLibs.x64.14.00.Desktop.appx file found on the C++ Runtime packages for Desktop Bridge — Visual C++ | Microsoft Learn page we need can also be installed.

Filter by title

- FAQs about Standard C++ library
- Fscanf function doesn't read consecutive lines
- Mark MFC ActiveX controls safe
- Runtime packages for Desktop Bridge**
- The _CRTDBG_MAP_ALLOC macro doesn't work
- Use _crtBreakAlloc to debug a memory allocation
- Use list::list STL function
- Use list::remove STL function
- Use map STL functions
- Use PageHeap to detect memory errors
- Use priority_queue STL functions
- Use queue STL functions
- Use stack::top and stack::empty methods
- Download PDF

How to install and update Desktop framework packages

Microsoft provides C++ Runtime framework packages to allow applications to reference the C++ runtime from desktop applications distributed through the Windows Store. These packages are distributed and updated through the Windows Store and are handled similarly to C++ UWP framework packages.

For development purposes, the current version (v14.0) of both debug and retail appx packages are included with Visual Studio 2019 when you choose the **Universal Windows Platform Development** workload with the optional C++ (v142) **Universal Windows Tools** component. The packages can be found under `%ProgramFiles(x86)%\Microsoft SDKs\Windows Kits\10\ExtensionSDKs\Microsoft.VCLibs.Desktop\14.0.`

In some scenarios such as [Windows Sandbox](#) or where applications run on offline machines, developers may find it easier to download the packages corresponding to their deployment architectures from one of the links below and manually install them using the `Add-AppxPackage` PowerShell cmdlet:

- [Microsoft.VCLibs.arm.14.00.Desktop.appx](#)
- [Microsoft.VCLibs.arm64.14.00.Desktop.appx](#)
- [Microsoft.VCLibs.x64.14.00.Desktop.appx](#)**
- [Microsoft.VCLibs.x86.14.00.Desktop.appx](#)

This installation can be done from the page as above or with powershell commands.

```
Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appxAdd-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
```

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Writing web request
Writing request stream... (Number of bytes written: 2621197)

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
```

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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PS C:\Users\Administrator> md C:\TEMP

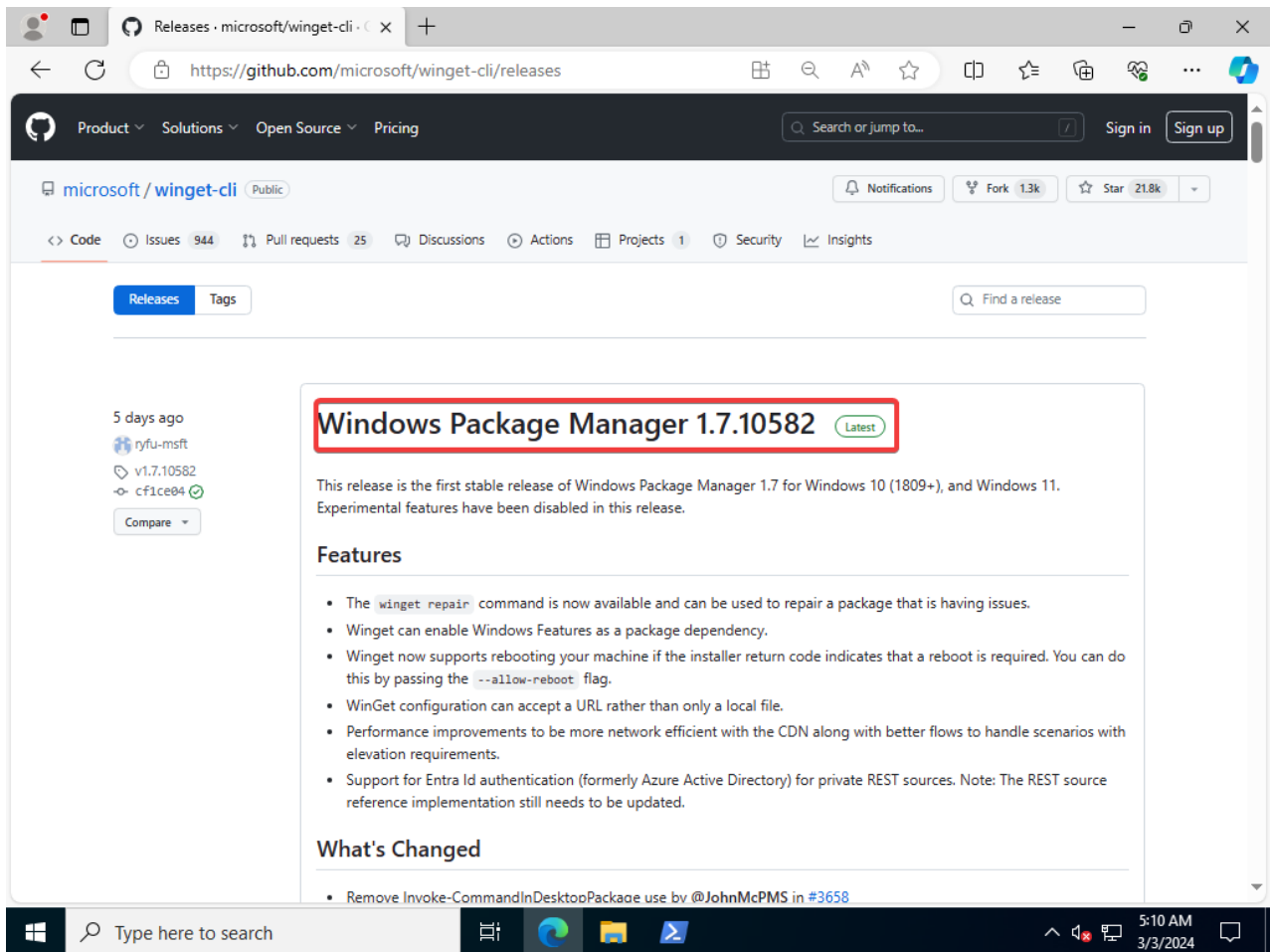
Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> █
```

It is now possible to install winget-cli from the [GitHub — microsoft/winget-cli](https://github.com/microsoft/winget-cli): WinGet is the Windows Package Manager. This project includes a CLI (Command Line Interface), PowerShell modules, and a COM (Component Object Model) API (Application Programming Interface) link.

The screenshot displays the GitHub repository for `microsoft/winget-cli`. The repository is public and has 1,098 commits, 944 issues, and 25 pull requests. The main content area shows a list of recent commits, including updates to the repair package manager and localization. The right sidebar contains an 'About' section describing WinGet as the Windows Package Manager, and a 'Releases' section with 65 releases. The bottom of the page shows the Windows taskbar with the search bar and system clock.



From the Assets section on the page that opens, we can manually download 5e4a105df01840b0bbf00985e4f57c1e_License1.xml and Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle files to the C:\TEMP folder.

Release Windows Package Manager

https://github.com/microsoft/winget-cli/releases/tag/v1.7.10582

- Fix test error and change pipeline to properly report test crash by @JohnMcPMS in #4204

New Contributors

- @KK-Designs made their first contribution in #3639
- @alexravenna made their first contribution in #3499
- @craigloewen-msft made their first contribution in #4035
- @og-mrk made their first contribution in #4179

Full Changelog: [release-v1.6.2631...release-v1.7.10582](#)

Contributors

JohnMcPMS, Trenly, and 13 other contributors

Assets

5e4a105df01840b0bbf00985e4f57c1e_License1.xml	2.63 KB	5 days ago
DesktopAppInstallerPolicies.zip	29.5 KB	5 days ago
Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle	246 MB	5 days ago
Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.txt	64 Bytes	5 days ago
Source code (zip)		5 days ago
Source code (tar.gz)		5 days ago

17 6 6 5 25 people reacted

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Again, it is also possible to do these with powershell commands.

```
Invoke-WebRequest -Uri https://github.com/microsoft/winget-
cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_License1.xml -
Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_License1.xmlInvoke-WebRequest
-Uri https://github.com/microsoft/winget-
cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbu
-Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundleAdd-
AppxProvisionedPackage -Online -PackagePath
.\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath
.\5e4a105df01840b0bbf00985e4f57c1e_License1.xml
```

```
Administrator: Windows PowerShell
Windows PowerShell
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PS C:\Users\Administrator> md C:\TEMP

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_license1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_license1.xml
PS C:\TEMP> _
```

```
Administrator: Windows PowerShell
Windows PowerShell
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Writing web request
Writing request stream... (Number of bytes written: 2685371)

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_license1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_license1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
```

```
Administrator: Windows PowerShell
Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----            3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_License1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_License1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
PS C:\TEMP> Add-AppxProvisionedPackage -Online -PackagePath .\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath .\5e4a105df01840b0bbf00985e4f57c1e_License1.xml

Path                :
Online               : True
RestartNeeded       : False

PS C:\TEMP>
```

With this step, winget-cli is installed on our system. Now we can run the following command on the powershell screen to check the winget version.

winget -v

```
Administrator: Windows PowerShell
Mode                LastWriteTime         Length Name
----                -
d-----            3/3/2024   4:58 AM             TEMP

PS C:\Users\Administrator> cd C:\TEMP\
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_License1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_License1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
PS C:\TEMP> Add-AppxProvisionedPackage -Online -PackagePath .\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath .\5e4a105df01840b0bbf00985e4f57c1e_License1.xml

Path                :
Online               : True
RestartNeeded       : False

PS C:\TEMP> winget -v
v1.7.10582
PS C:\TEMP>
```

winget upgrade

```
Administrator: Windows PowerShell
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/microsoft-ui-xaml/releases/download/v2.8.6/Microsoft.UI.Xaml.2.8.x64.appx -Method Get -OutFile Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_license1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_license1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
PS C:\TEMP> Add-AppxProvisionedPackage -Online -PackagePath .\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath .\5e4a105df01840b0bbf00985e4f57c1e_license1.xml

Path      :
Online    : True
RestartNeeded : False

PS C:\TEMP> winget -v
v1.7.10582
PS C:\TEMP> winget upgrade
The 'msstore' source requires that you view the following agreements before using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be sent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes [N] No:
```

After executing the winget upgrade command, we see a question waiting for confirmation about sending the agreement found at <https://aka.ms/microsoft-store-terms-of-transaction> and the geographical region information of the computer with 2 letters. We respond by indicating our acceptance with the letter Y.

```
Administrator: Windows PowerShell
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.UI.Xaml.2.8.x64.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://aka.ms/Microsoft.VCLibs.x64.14.00.Desktop.appx -Method Get -OutFile Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Add-AppxPackage -Path .\Microsoft.VCLibs.x64.14.00.Desktop.appx
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/5e4a105df01840b0bbf00985e4f57c1e_license1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_license1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
PS C:\TEMP> Add-AppxProvisionedPackage -Online -PackagePath .\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath .\5e4a105df01840b0bbf00985e4f57c1e_license1.xml

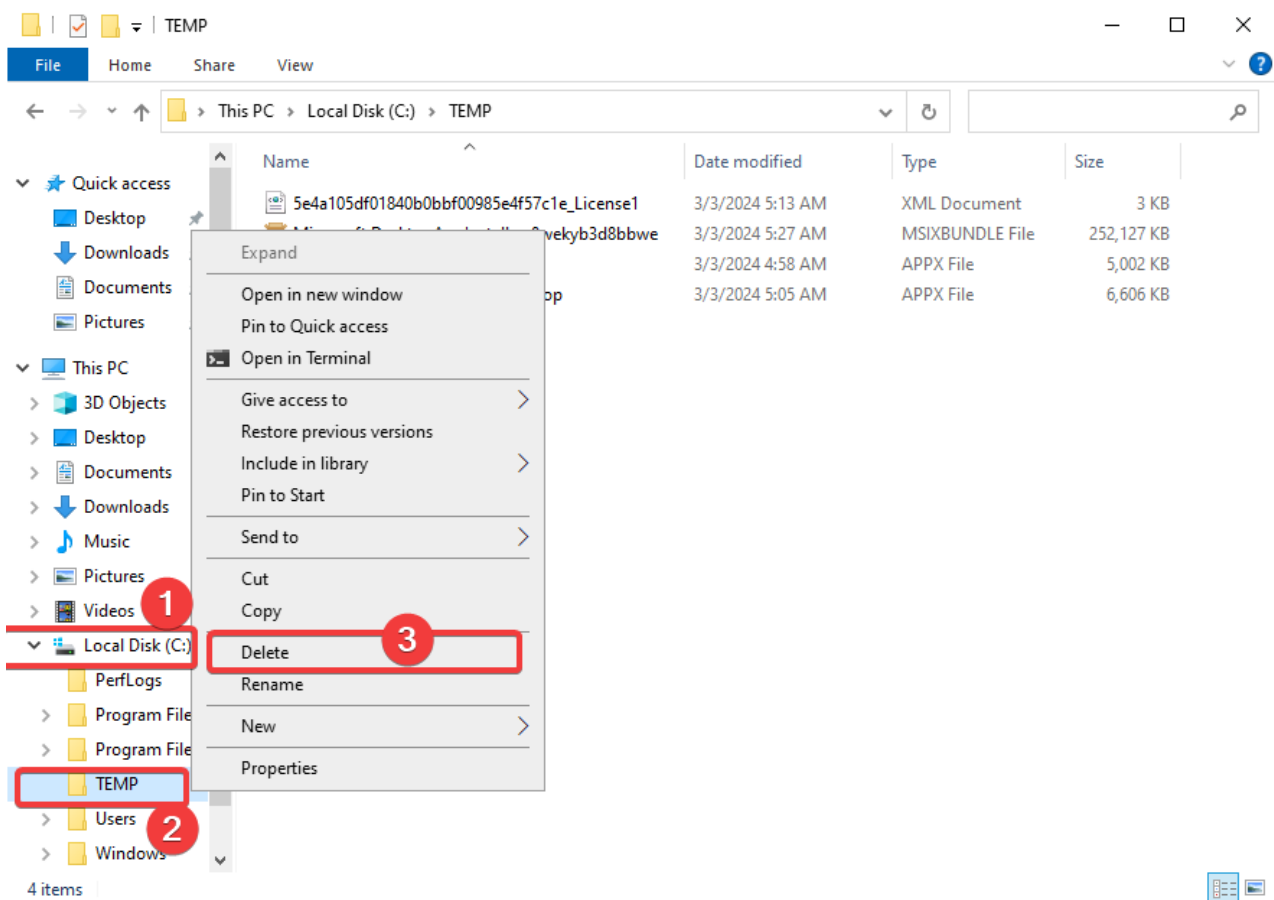
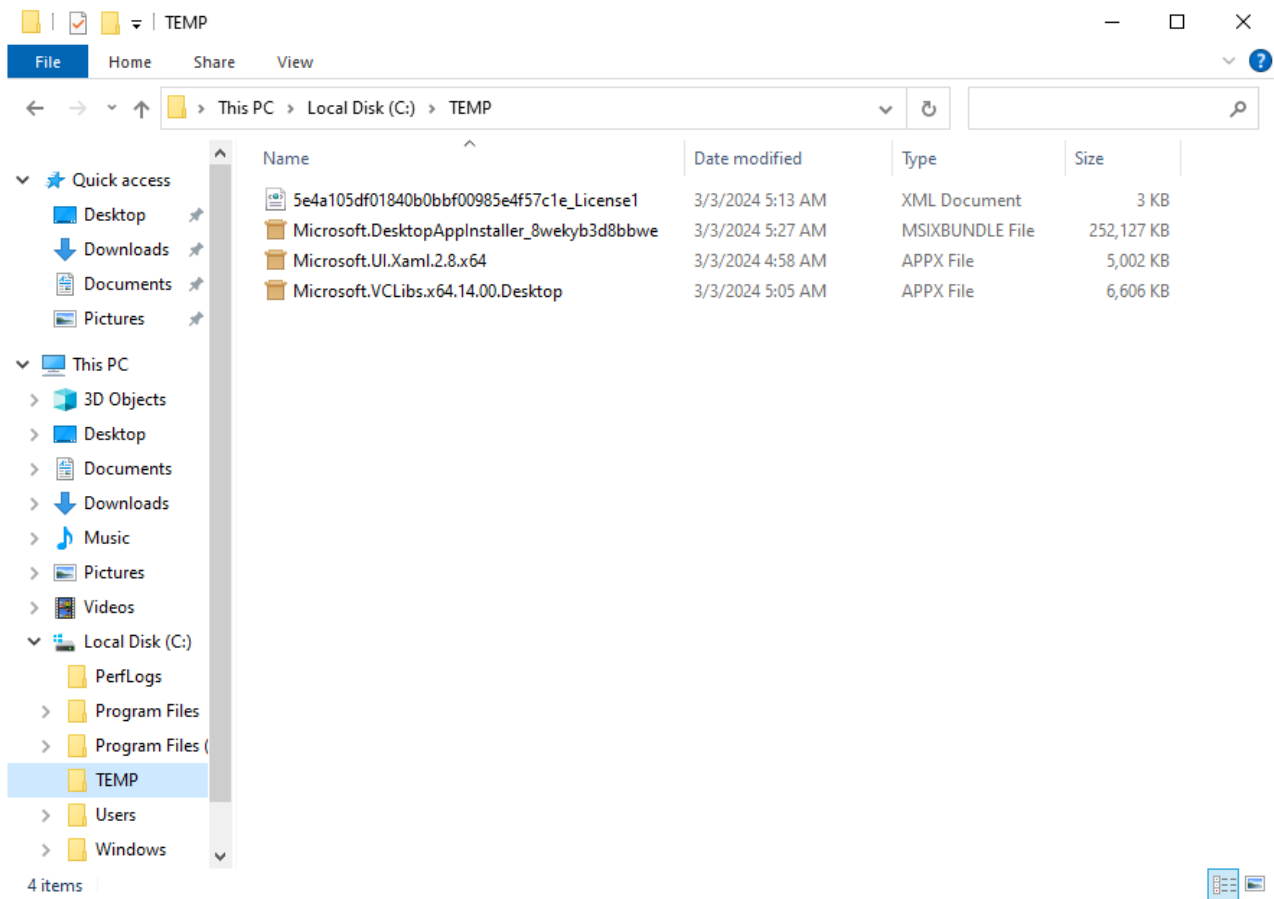
Path      :
Online    : True
RestartNeeded : False

PS C:\TEMP> winget -v
v1.7.10582
PS C:\TEMP> winget upgrade
The 'msstore' source requires that you view the following agreements before using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be sent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes [N] No: Y
No installed package found matching input criteria.
PS C:\TEMP>
```

With the response “No installed package found matching input criteria.”, we are informed that the applications installed on Windows Server 2022 are up to date.

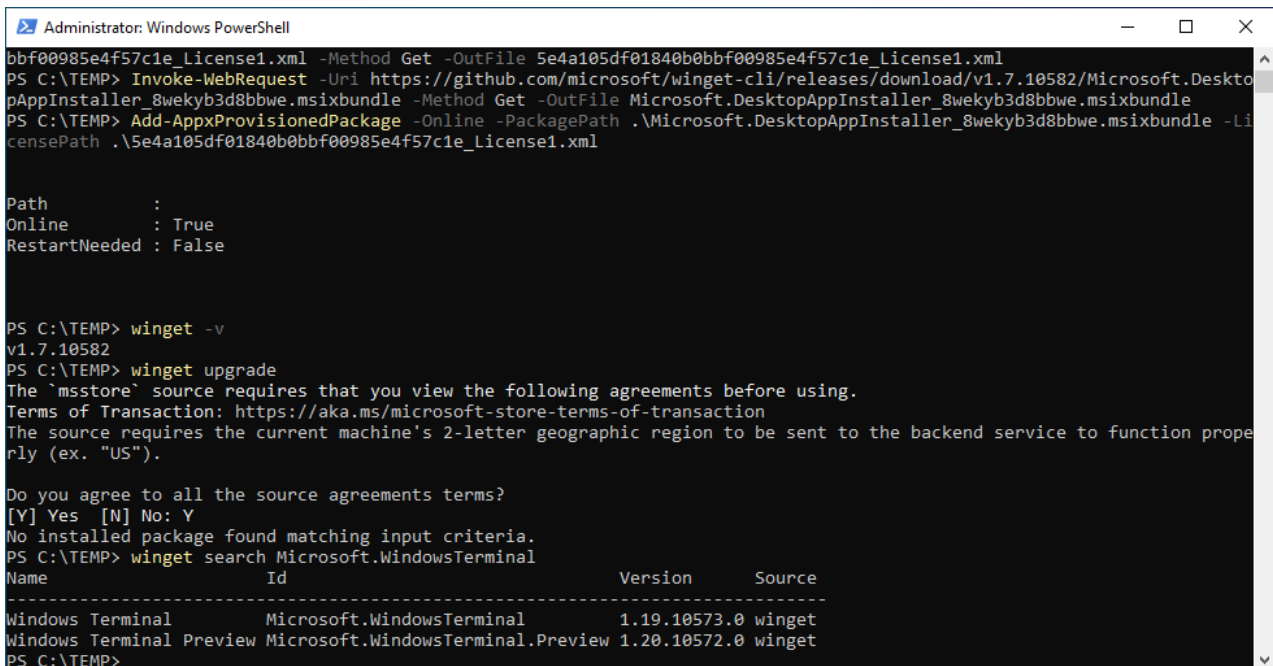
At the end of this process we can delete the C:\TEMP folder.



Microsoft.WindowsTerminal installation

Now let's see how to install Microsoft.WindowsTerminal using winget-cli. To do this, we just need to execute the following commands.

```
winget search Microsoft.WindowsTerminal
winget install Microsoft.WindowsTerminal
```

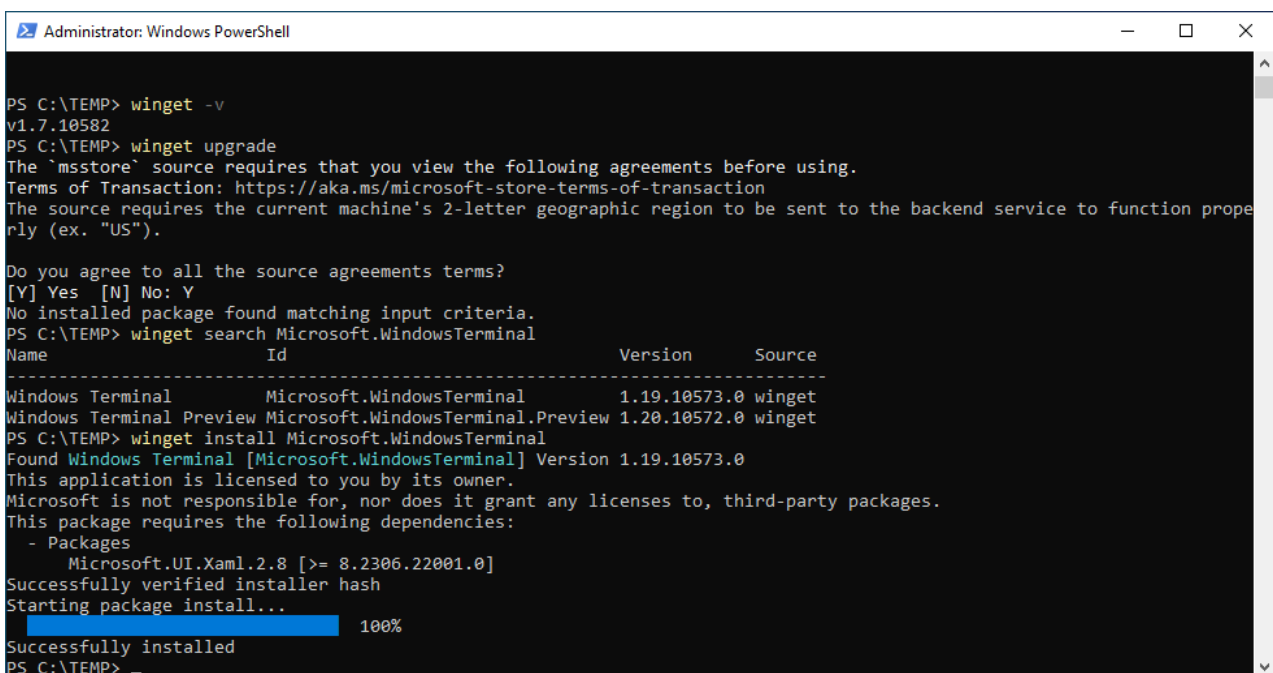


```
Administrator: Windows PowerShell
bbf00985e4f57c1e_License1.xml -Method Get -OutFile 5e4a105df01840b0bbf00985e4f57c1e_License1.xml
PS C:\TEMP> Invoke-WebRequest -Uri https://github.com/microsoft/winget-cli/releases/download/v1.7.10582/Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -Method Get -OutFile Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle
PS C:\TEMP> Add-AppxProvisionedPackage -Online -PackagePath .\Microsoft.DesktopAppInstaller_8wekyb3d8bbwe.msixbundle -LicensePath .\5e4a105df01840b0bbf00985e4f57c1e_License1.xml

Path      :
Online    : True
RestartNeeded : False

PS C:\TEMP> winget -v
v1.7.10582
PS C:\TEMP> winget upgrade
The 'msstore' source requires that you view the following agreements before using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be sent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes [N] No: Y
No installed package found matching input criteria.
PS C:\TEMP> winget search Microsoft.WindowsTerminal
Name                        Id                        Version      Source
-----
Windows Terminal           Microsoft.WindowsTerminal 1.19.10573.0 winget
Windows Terminal Preview   Microsoft.WindowsTerminal.Preview 1.20.10572.0 winget
PS C:\TEMP>
```



```
Administrator: Windows PowerShell

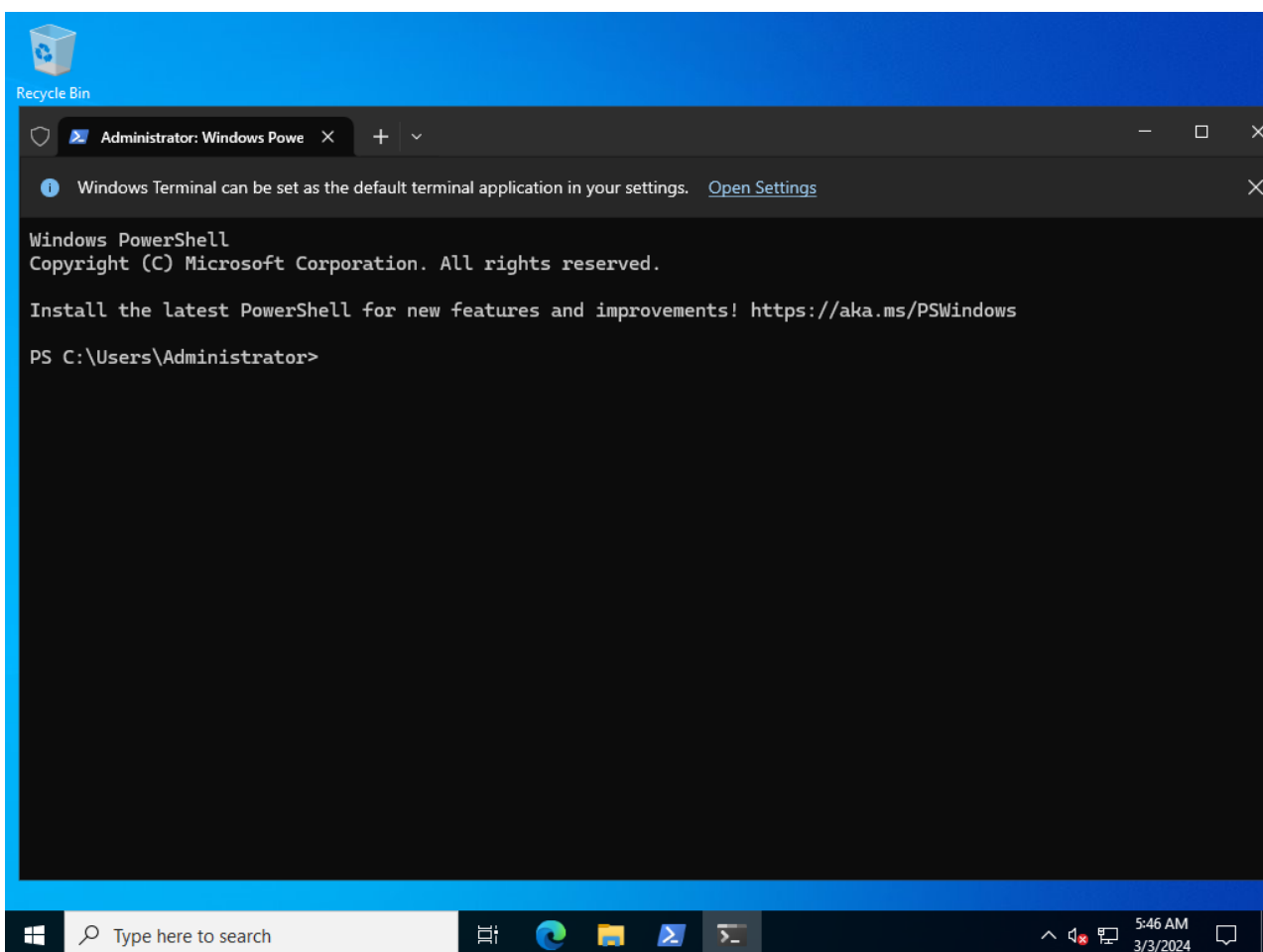
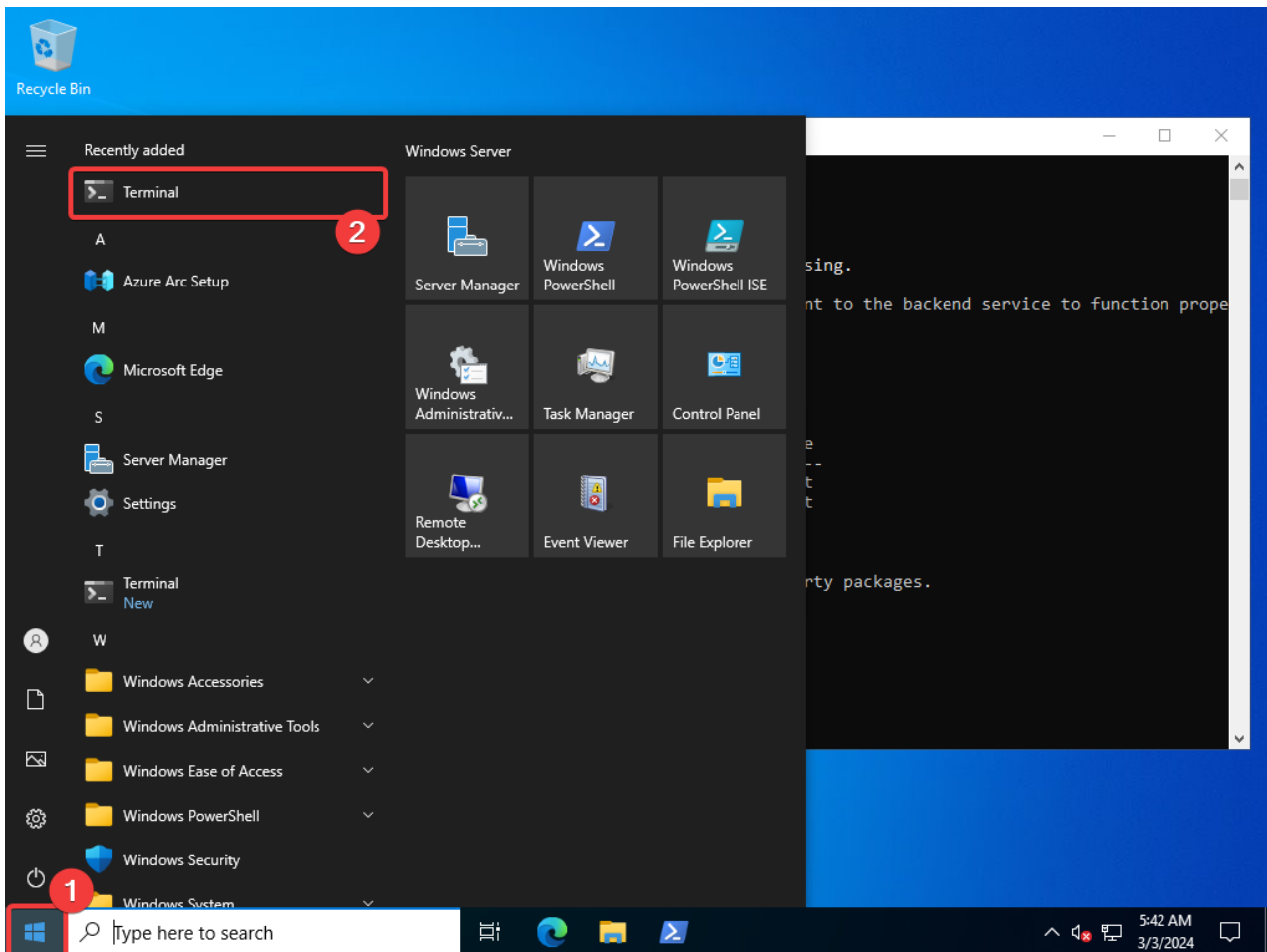
PS C:\TEMP> winget -v
v1.7.10582
PS C:\TEMP> winget upgrade
The 'msstore' source requires that you view the following agreements before using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be sent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes [N] No: Y
No installed package found matching input criteria.
PS C:\TEMP> winget search Microsoft.WindowsTerminal
Name                        Id                        Version      Source
-----
Windows Terminal           Microsoft.WindowsTerminal 1.19.10573.0 winget
Windows Terminal Preview   Microsoft.WindowsTerminal.Preview 1.20.10572.0 winget
PS C:\TEMP> winget install Microsoft.WindowsTerminal
Found Windows Terminal [Microsoft.WindowsTerminal] Version 1.19.10573.0
This application is licensed to you by its owner.
Microsoft is not responsible for, nor does it grant any licenses to, third-party packages.
This package requires the following dependencies:
- Packages
  Microsoft.UI.Xaml.2.8 [>= 8.2306.22001.0]
Successfully verified installer hash
Starting package install...
100%
Successfully installed
PS C:\TEMP>
```

In this screenshot, there is one dependency to pay attention to. The line Microsoft.UI.Xaml.2.8 [>= 8.2306.22001.0] under “This package requires the following dependencies” indicates this.

Above we provided information on how to install Microsoft.UI.Xaml.2.8.

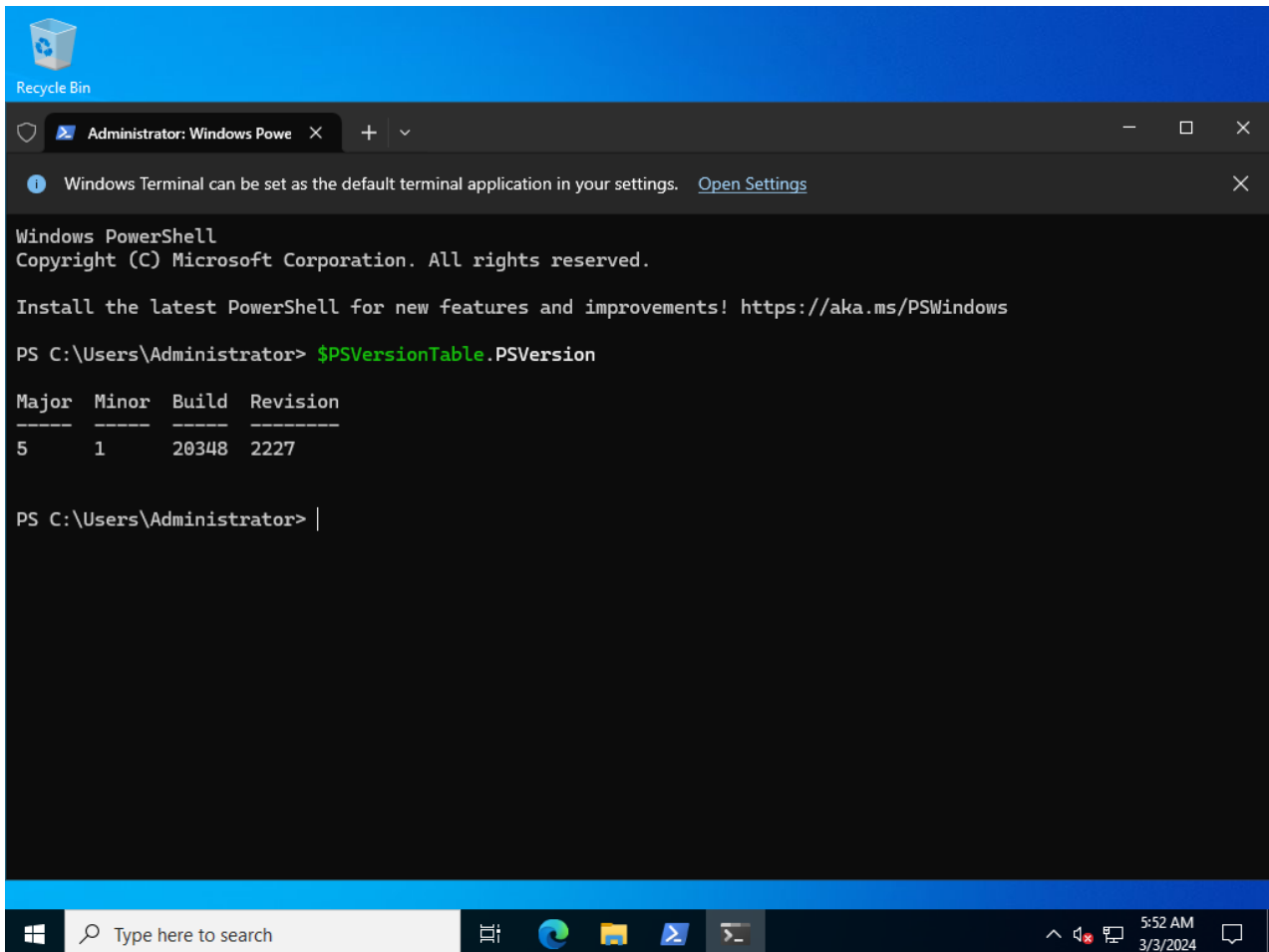
In the screenshot below you can see that Microsoft.WindowsTerminal is installed. To do this, click on the Start menu with the left mouse button and Terminal will be displayed.



Microsoft.PowerShell Installation

You can run the following command to find out the current powershell version. The last screenshot in the previous section of this article, “Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>”, shows that there are newer PowerShell versions and new features associated with them.

```
.PSVersion
```



The screenshot shows a Windows PowerShell terminal window titled "Administrator: Windows PowerShell". The terminal displays the command `$PSVersionTable.PSVersion` and its output, which is a table of version information. The output table has four columns: Major, Minor, Build, and Revision. The values are 5, 1, 20348, and 2227 respectively. The terminal also shows the copyright notice for Microsoft Corporation and a message about installing the latest PowerShell version.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> $PSVersionTable.PSVersion

Major Minor Build Revision
-----
5      1      20348  2227

PS C:\Users\Administrator> |
```

As seen in the screenshot, Microsoft.PowerShell version I5.1.20348.2227 is installed. To install the new version and display that it can be installed via winget-cli, the winget search and then winget install commands can be executed as follows.

```
winget search Microsoft.PowerShellwinget install Microsoft.PowerShell
```

Recycle Bin

Administrator: Windows Powe x + v

Windows Terminal can be set as the default terminal application in your settings. [Open Settings](#)

Windows PowerShell
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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\Administrator> `$PSVersionTable.PSVersion`

Major	Minor	Build	Revision
5	1	20348	2227

PS C:\Users\Administrator> `winget search Microsoft.PowerShell`

Name	Id	Version	Source
PowerShell	Microsoft.PowerShell	7.4.1.0	winget
PowerShell Preview	Microsoft.PowerShell.Preview	7.5.0.2	winget

PS C:\Users\Administrator>

Type here to search

5:54 AM 3/3/2024

Recycle Bin

Administrator: Windows Powe x + v

Windows Terminal can be set as the default terminal application in your settings. [Open Settings](#)

Windows PowerShell
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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\Administrator> `$PSVersionTable.PSVersion`

Major	Minor	Build	Revision
5	1	20348	2227

PS C:\Users\Administrator> `winget search Microsoft.PowerShell`

Name	Id	Version	Source
PowerShell	Microsoft.PowerShell	7.4.1.0	winget
PowerShell Preview	Microsoft.PowerShell.Preview	7.5.0.2	winget

PS C:\Users\Administrator> `winget install Microsoft.PowerShell`

Found PowerShell [Microsoft.PowerShell] Version 7.4.1.0

This application is licensed to you by its owner.

Microsoft is not responsible for, nor does it grant any licenses to, third-party packages.

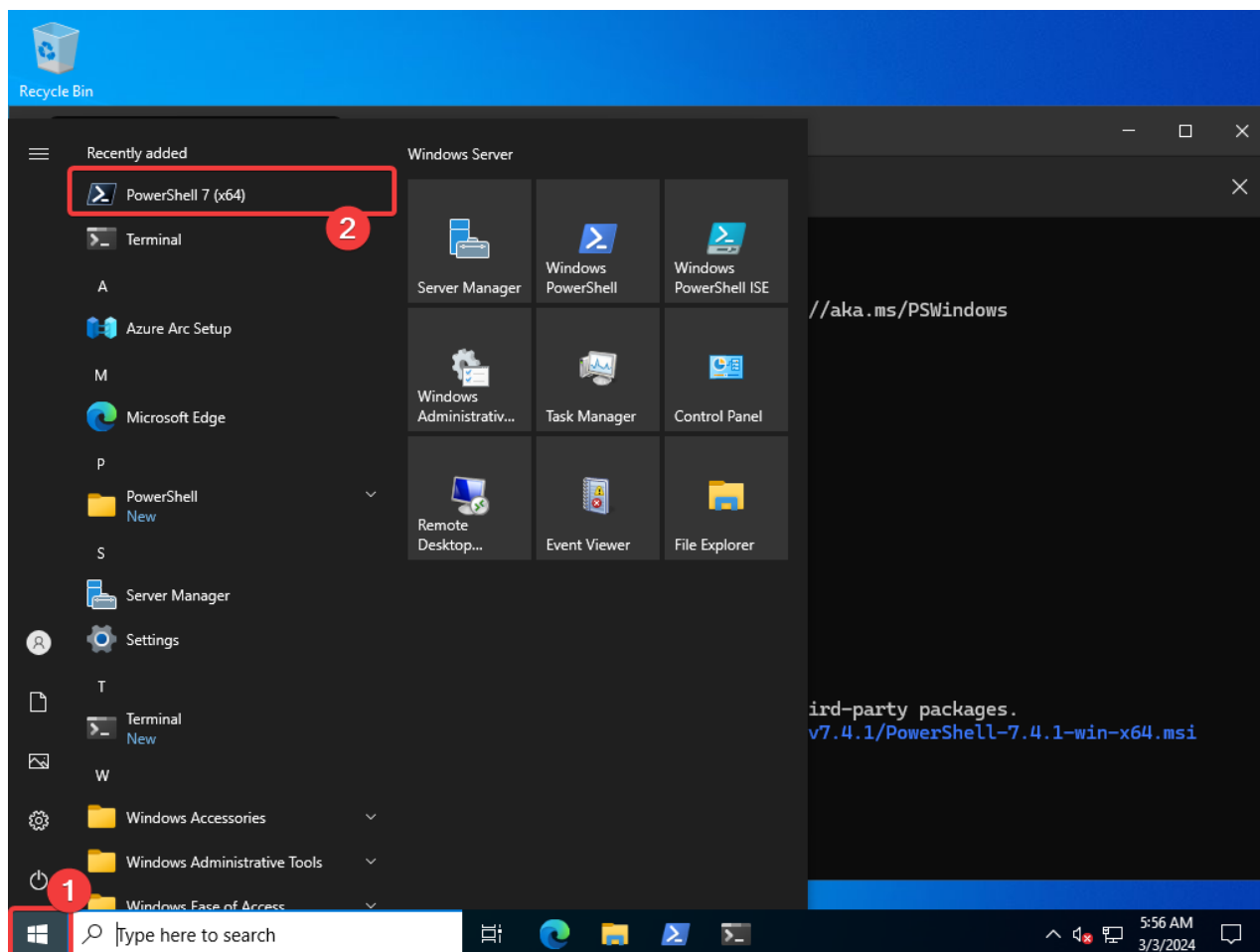
Downloading <https://github.com/PowerShell/PowerShell/releases/download/v7.4.1/PowerShell-7.4.1-win-x64.msi>

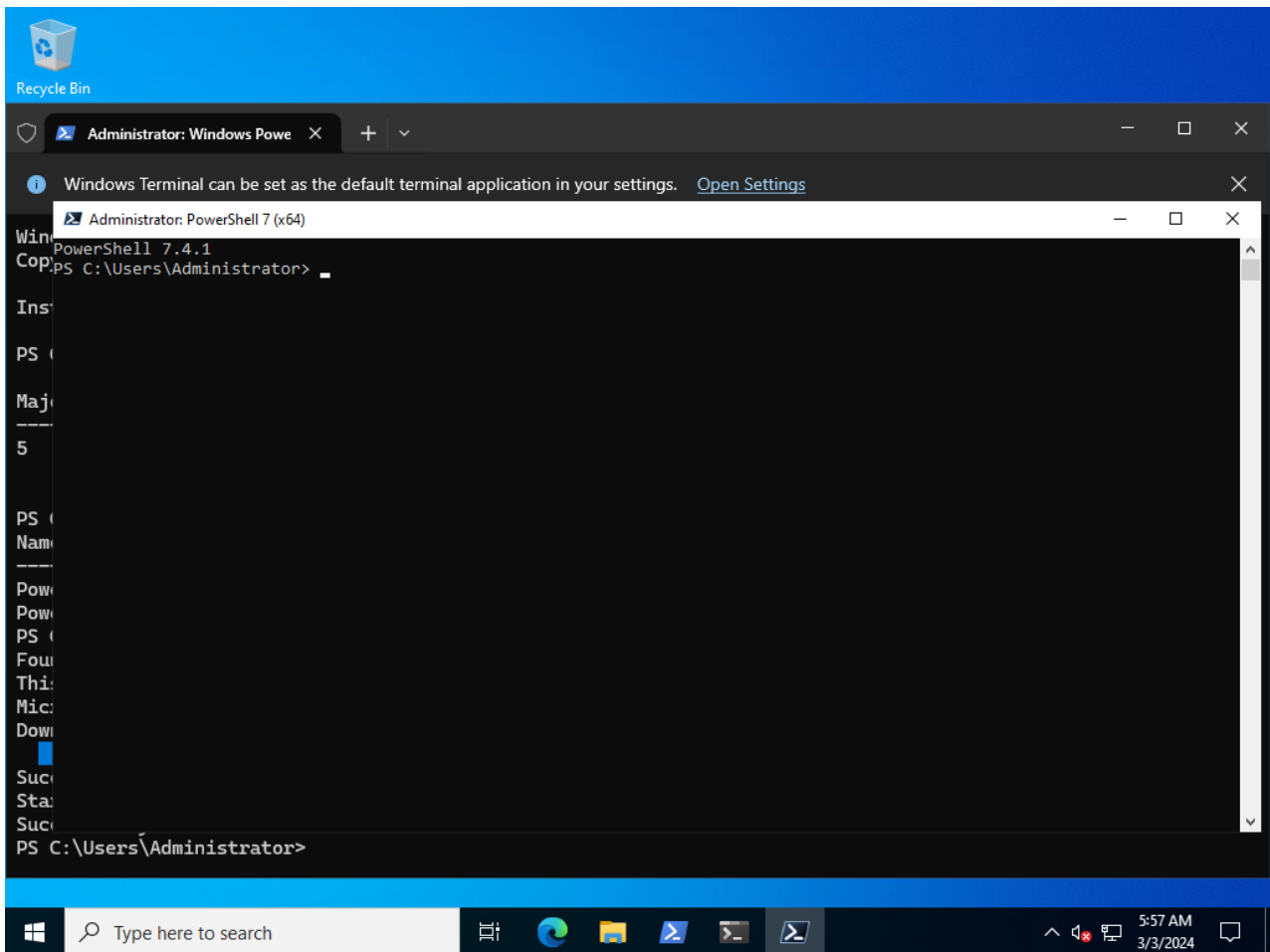
16.0 MB / 103 MB

Type here to search

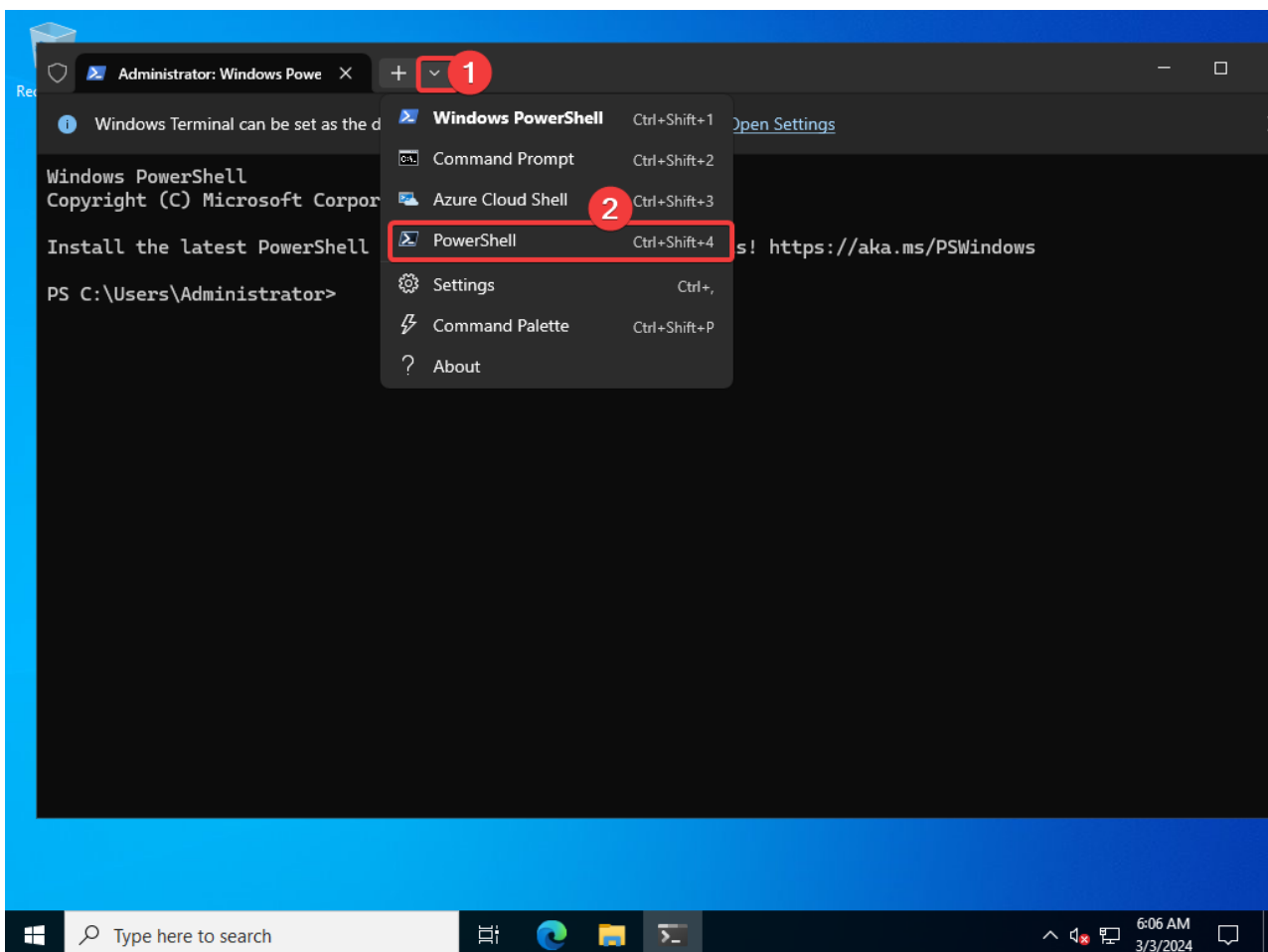
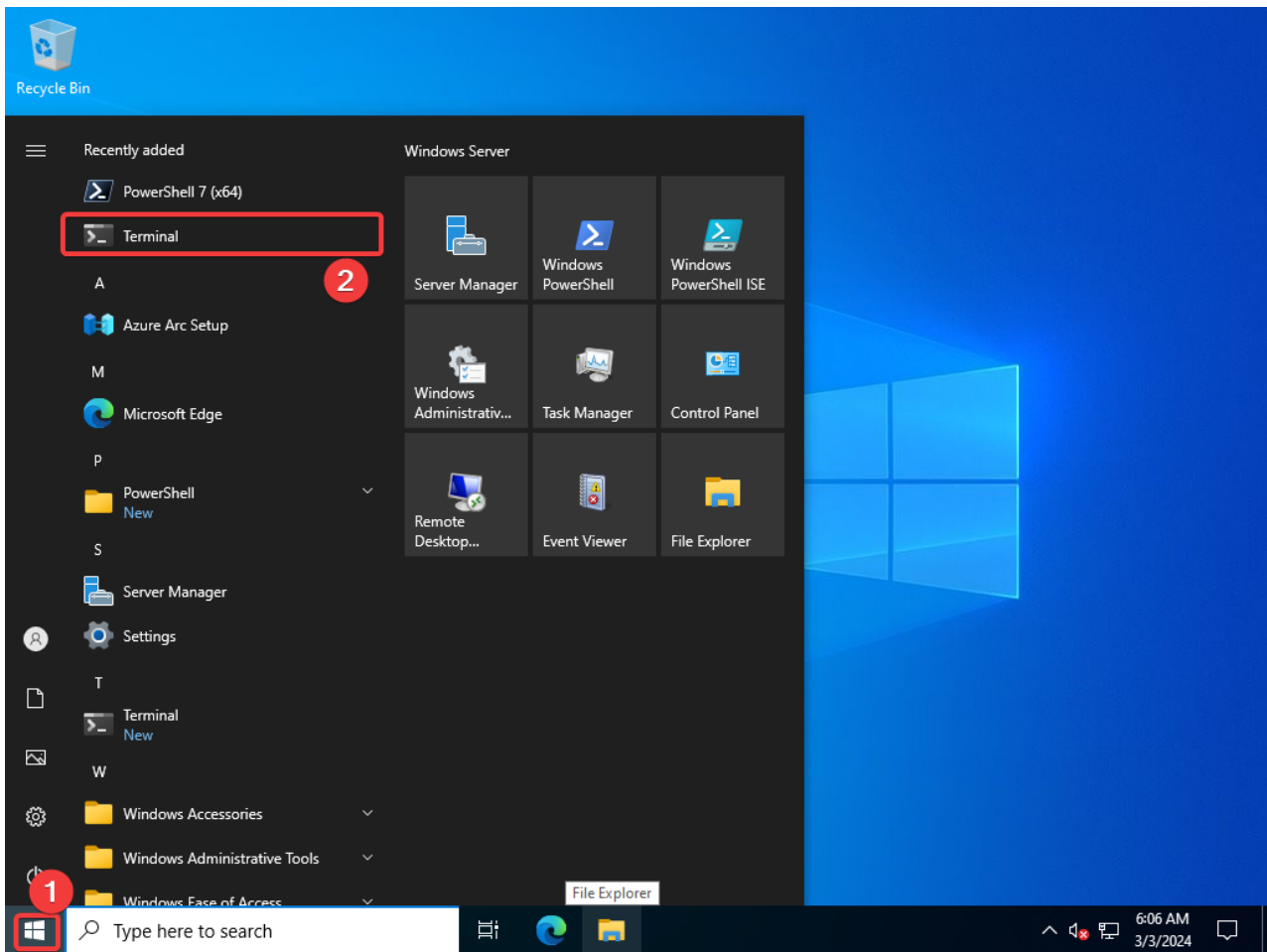
5:55 AM 3/3/2024

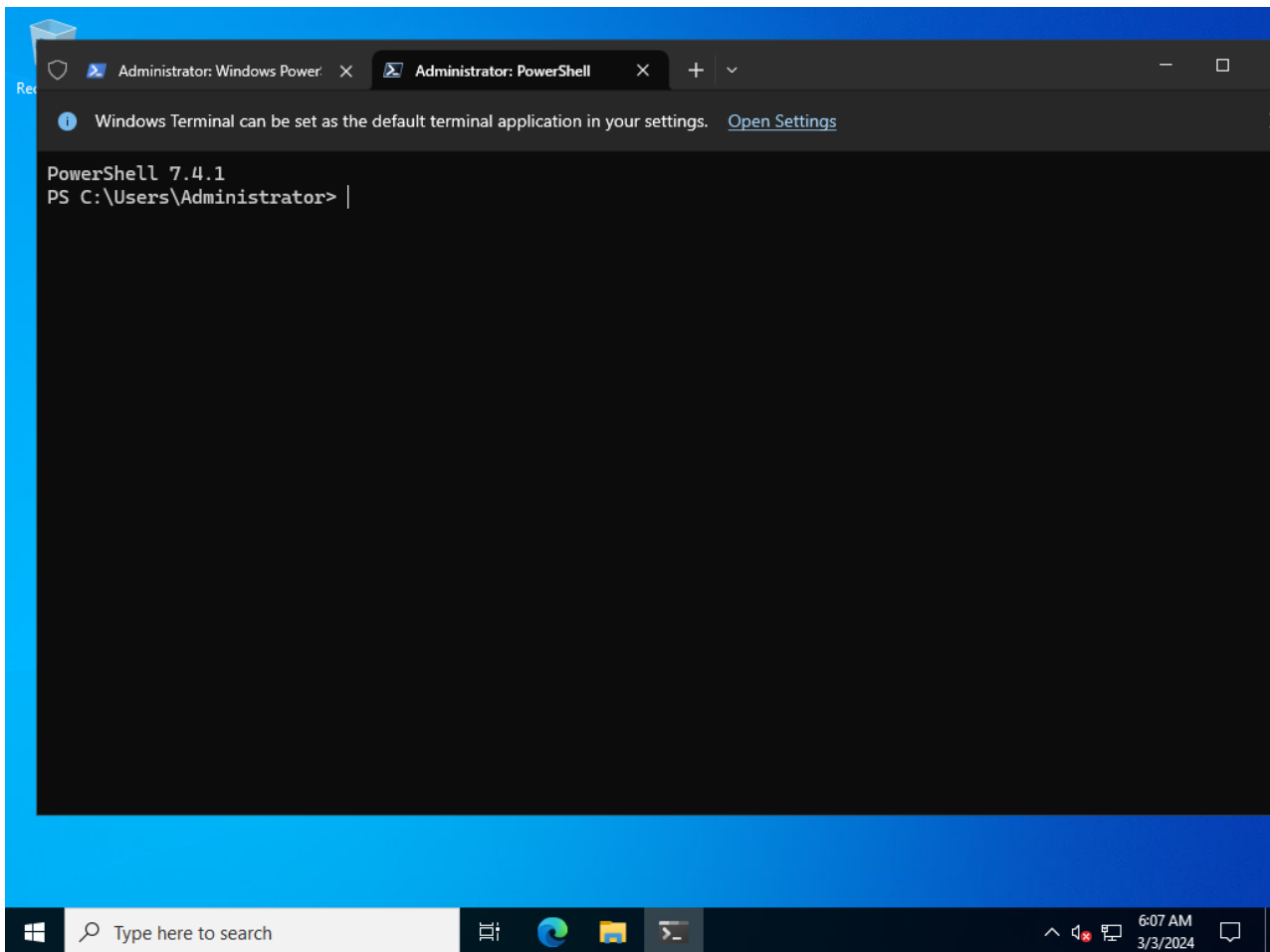
After the installation is complete, left mouse click on the Start menu will display the installation of PowerShell 7 (x64).





It is also possible to work with PowerShell 7 version with Windows.Terminal, for this click on the Start menu, select Terminal and run it again. The reason why we run Windows Terminal again is to ensure that the Terminal recognizes the last PowerShell installation.



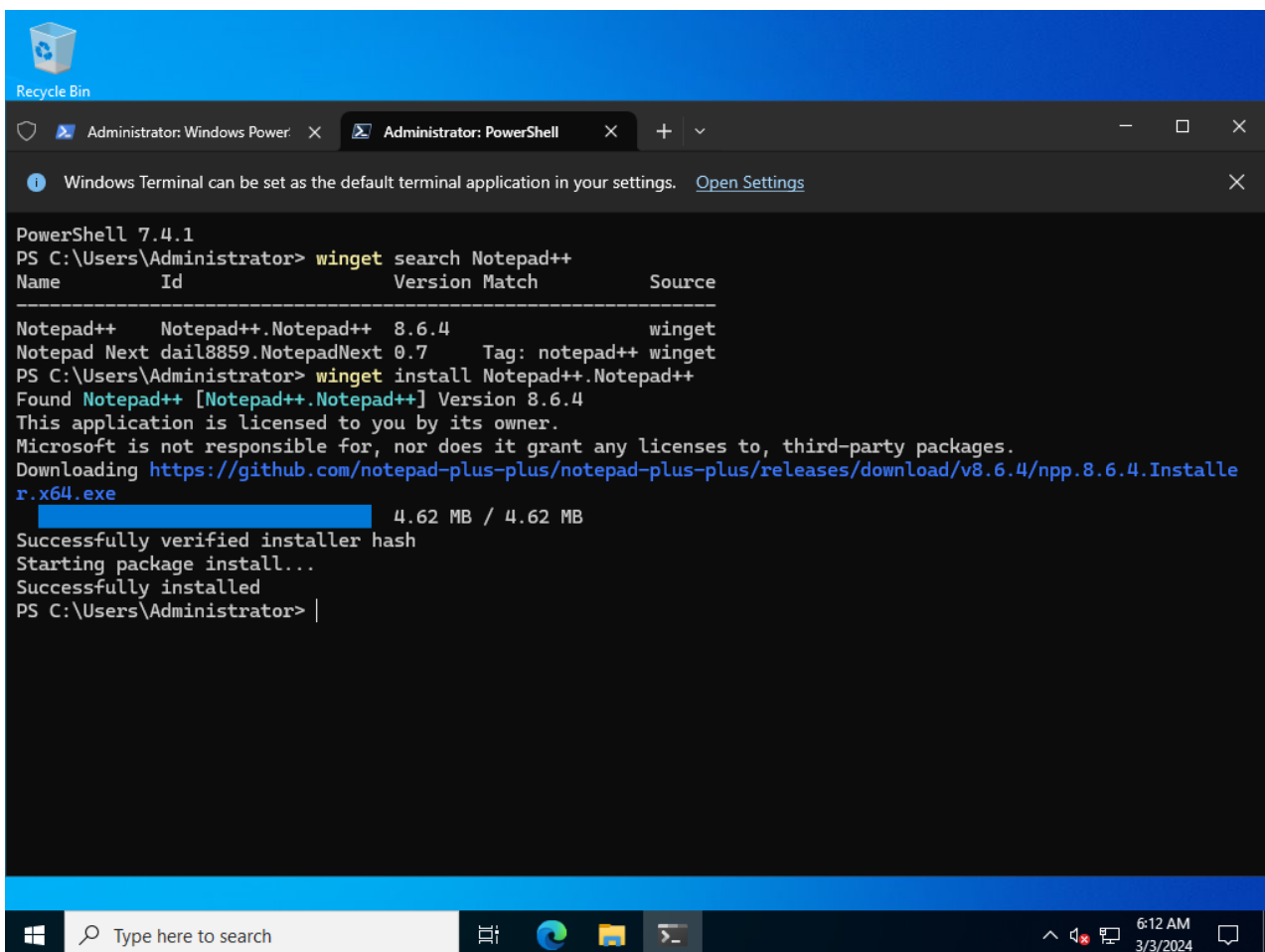
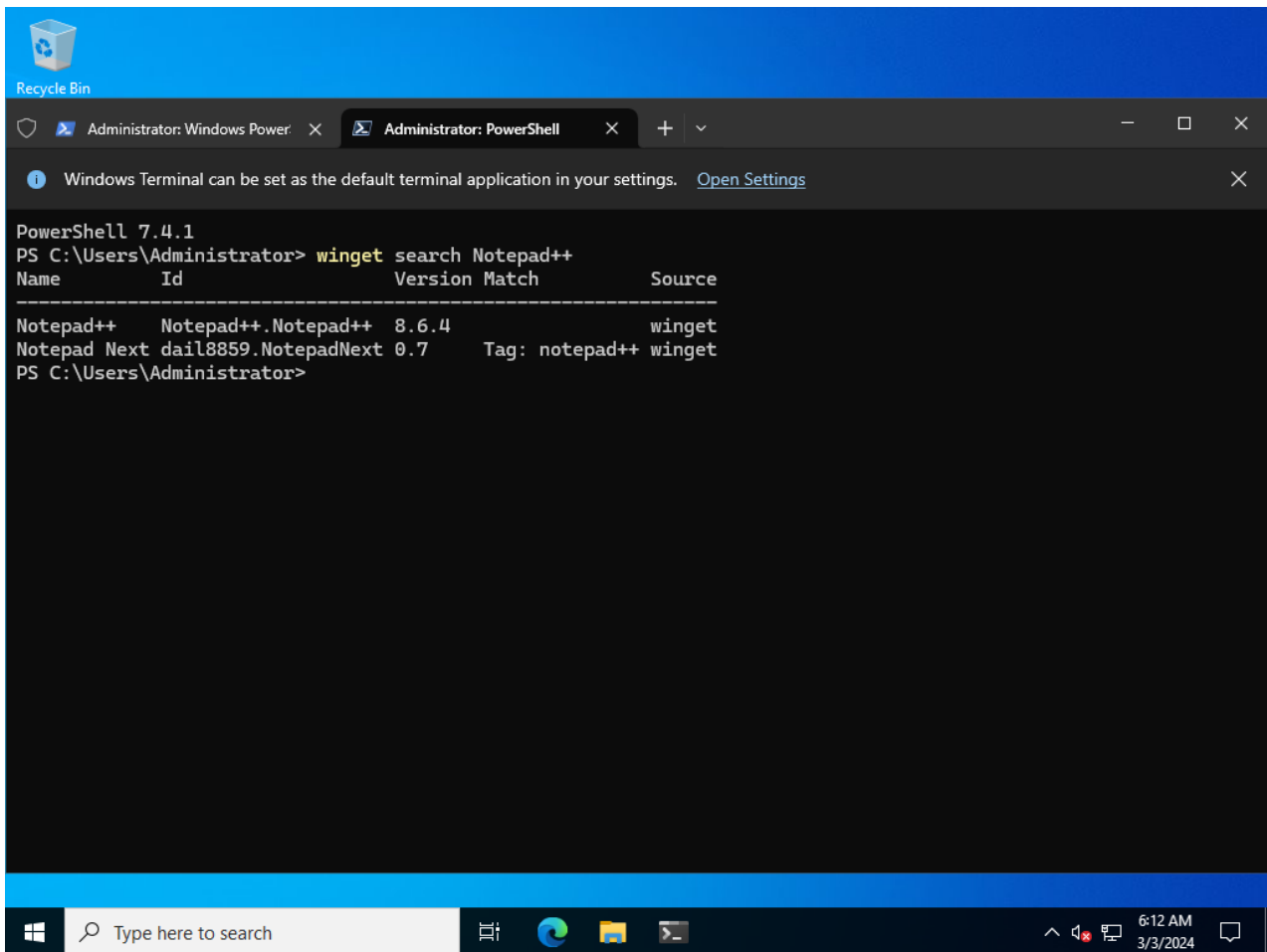


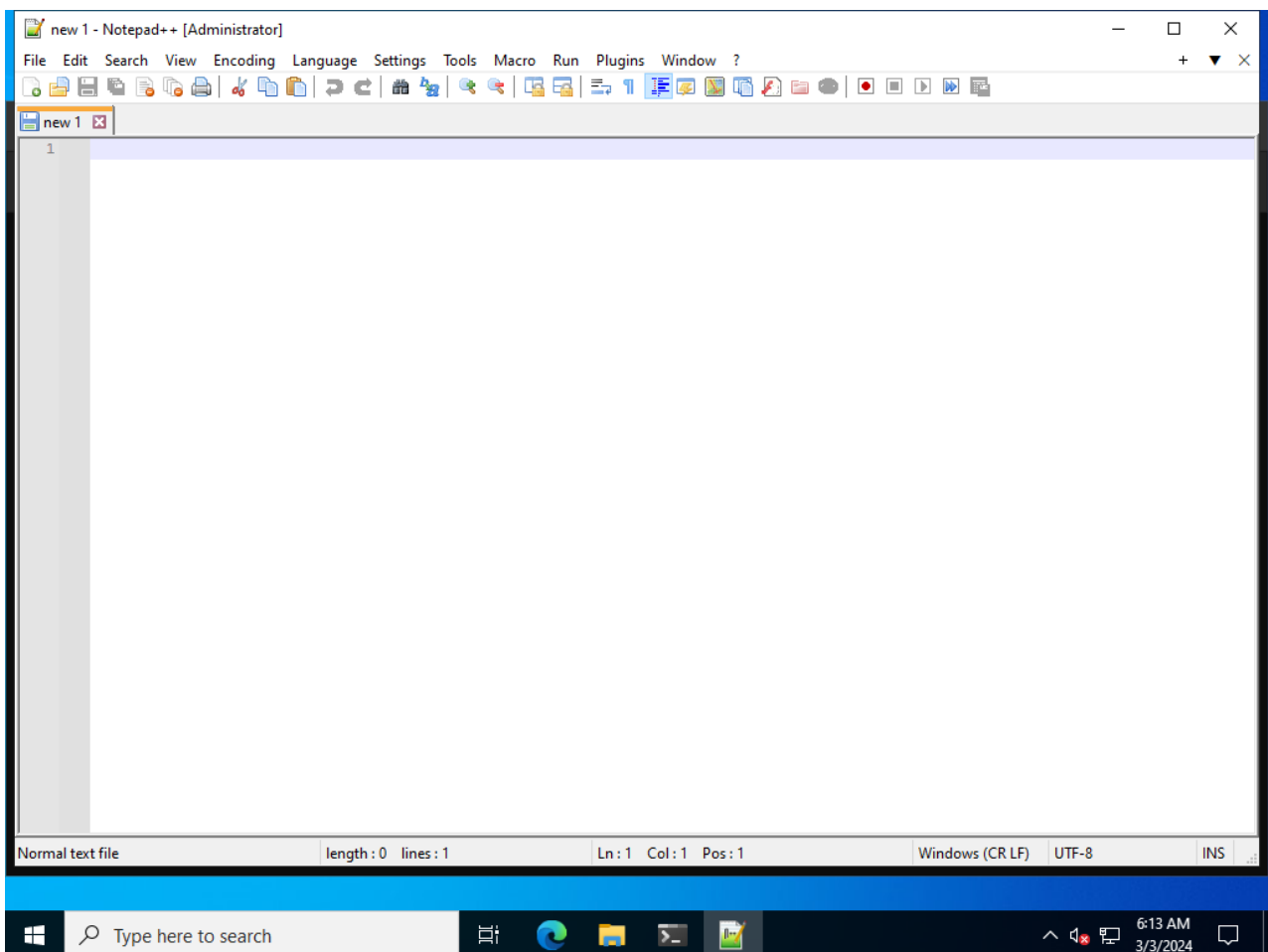
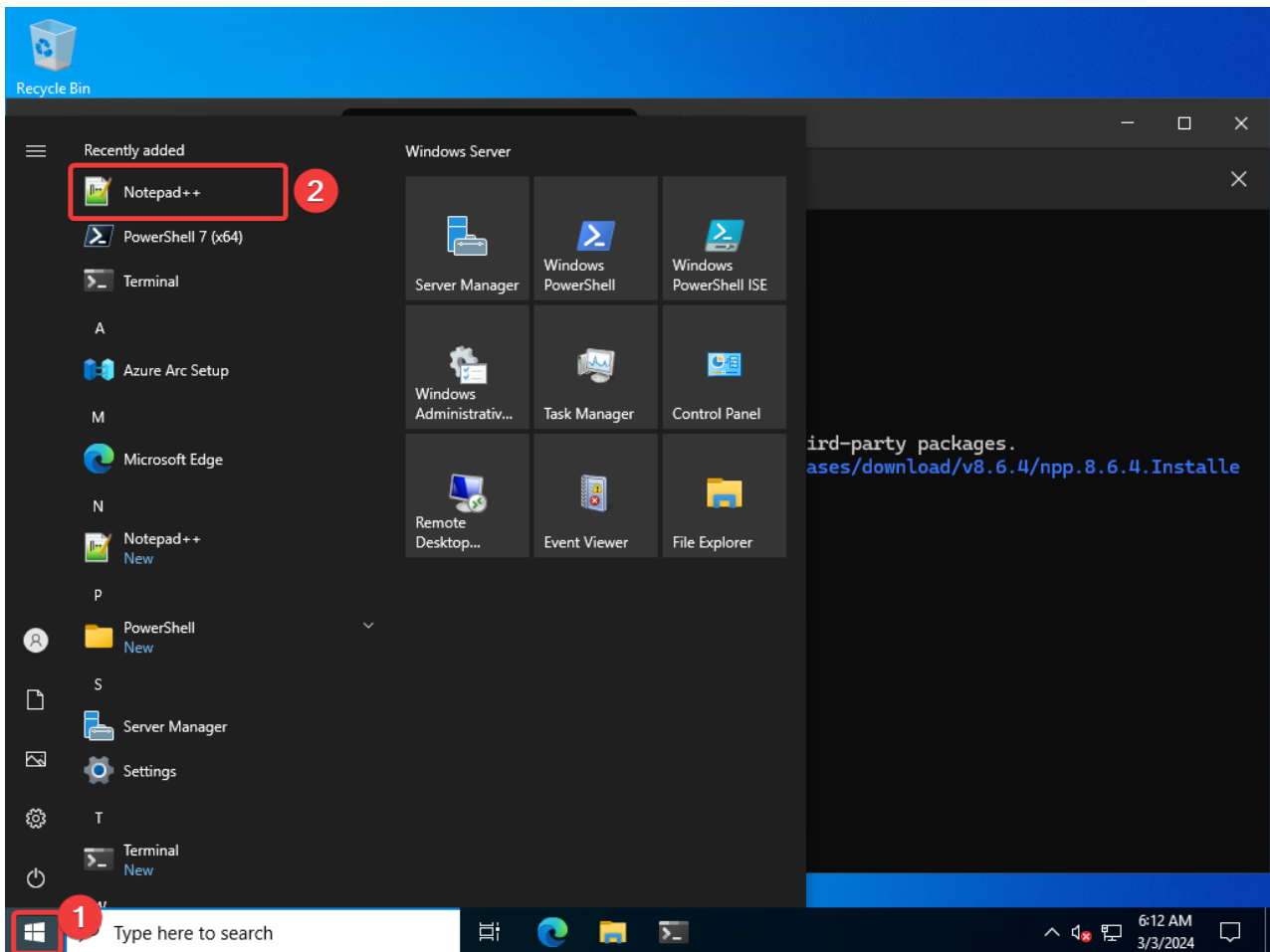
So we can start working with PowerShell version 7.0 using Windows.Terminal.

Installing the third party application Notepad++ with winget-cli.

Using winget-cli we can also install Notepad++, a third party application. For this, we can first check if this application is in the winget list and then install it. This can be done by executing the following commands.

```
winget search Notepad++winget install Notepad++.Notepad++
```





Thus, we have completed the Notepad++ installation process.

I hope it will be useful...