Winget

Instructions

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Overview

Winget is the built in package manager for Windows. It is available on Windows 11 and later versions of Windows 10. It is a command-line tool used to install and manage programs.

Requirements

Windows 10 1709 or later

Windows 11

<https://www.microsoft.com/p/app-installer/9nblggh4nns1#activetab=pivot:overviewtab>

App installer if not already installed.

Task 1 – Using winget

Use PowerShell to explore winget

Steps

1. Open a PowerShell window or windows terminal
2. Type winget into the prompt
3. Observe the output look at the following commands available

install Installs the given package

show Shows information about a package

source Manage sources of packages

search Find and show basic info of packages

list Display installed packages

upgrade Shows and performs available upgrades

uninstall Uninstalls the given package

hash Helper to hash installer files

validate Validates a manifest file

settings Open settings or set administrator settings

features Shows the status of experimental features

export Exports a list of the installed packages

import Installs all the packages in a file

pin Manage package pins

1. Preform a search for a program using the following syntax. Winget search 7zip

Your results should look like this: A screen shot of a computer

Description automatically generated

1. Note the source in the right hand column. When installing different packages there are different sources. Winget can install from both msstore and winget sources.
2. To install the program type the following winget install 7zip.7zip. We’re using the Id listed in the 2nd column to tell winget which version to install.
3. Accept the UAC prompt and the install will complete in moments.

A computer screen with white text

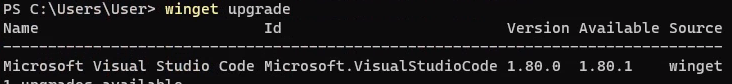
Description automatically generated

1. Check your start menu to see if the program is installed. If you see it there you have used the commands correctly.
2. You can leave the program installed or uninstall it using the following command: winget uninstall 7zip

Task 2

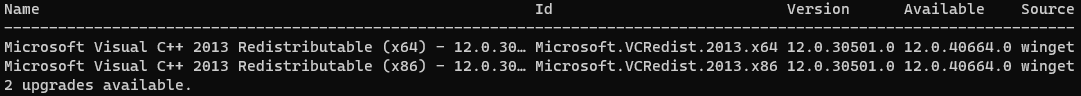
Update apps using Winget. Winget can be used to update and keep your installed programs up to date.

1)To update your installed apps run the following command: winget upgrade.



On my device it shows which programs can be updated.

On another device it looks like this:



2) updates can be installed individually or all at once. To update all apps at the same time type the following command: winget upgrade --all

3) Your apps should be up to date.

Task 3

Winget can be incorporated into scripts to automate program installs.

1. Using what you’ve been taught write a script to install Microsoft.powertoys and Microsoft.windowsterminal.preview
2. Have the script also do an upgrade following the install.