

# FREE SOFTWARE APPS FOR A "WINDOWS.." COMPUTER

by Francis Chao  
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**TuCS** COMPUTER  
SON SOCIETY



**WINNERS**  
WINdows usERS

An International  
Association of Technology  
& Computer User Groups

**Web location for this  
presentation:**

<http://aztcs.org>

Click on “Meeting  
Notes”

# SUMMARY

You can use free software to save money while getting more use from your "Windows.." computer.

# TOPICS

- Preparing a "Windows.." computer before using free software
- Four kinds of software apps in a "Windows 10" computer
- Three locations for obtaining free apps for a Windows.. computer
- Kinds of software apps versus locations for obtaining them

# TOPICS (continued)

- "LibreOffice" office suite
- "Thunderbird" email app
- Using the bundled "Microsoft Edge" as an Adobe .PDF reader
- "VanBasco's Karaoke Player" app
- "Pykaraoke" app

# TOPICS (continued)

- Free Screen Recording and Media Capture Apps
- "Speedtest.net" to measure Internet bandwidth speeds
- "USBTreeView" To Troubleshoot USB Problems

# TOPICS (continued)

- "Windows Security" app
- "Avast" antivirus/antimalware software
- "Burnaware" make an .ISO file from a physical CD or DVD

# TOPICS (continued)

- "Revo Uninstaller Portable" for removing "desktop apps" and "UWP apps"
- "File Explorer" to delete a "portable app"



# TOPICS (continued)

- "Macrium Reflect Free" to clone or make backup images of hard drives and SSDs
- "Ccleaner Free" for registry cleaning and wiping "free space" on a hard drive
- "Recuva" to recover "deleted" files from "freed up space" on a hard drive

# TOPICS (continued)

- "Burnaware" to make an .ISO file from a physical CD or DVD
- "Macrium Reflect Free" to clone or make backup images of hard drives and SSDs
- "Ccleaner Free for registry cleaning and wiping "free space" on a hard drive"

# PREPARING A COMPUTER BEFORE YOU USE FREE SOFTWARE

- To prepare a "Windows.." for use with free software, we recommend that you unhide file extensions





# PREPARING A COMPUTER BEFORE YOU USE FREE SOFTWARE (continued)





- Since "Windows 95", Microsoft has apparently decided that they should be the ones to decide what file formats are the right ones for you to use.

# PREPARING A COMPUTER BEFORE YOU USE FREE SOFTWARE

(continued)

- If "Hide file extensions of known file types is turned on" in "Windows 10":  
"sample.docx"  
"sample.zip"  
"sample.txt"  
and  
"sample.exe"  
all will be displayed as  
"sample"

Name	Date modified	Type	Size
 sample	2/9/2017 12:22 AM	Office Open XML Document	12 KB
 sample	2/9/2017 12:55 AM	Application	0 KB
 sample	2/9/2017 12:51 AM	Compressed (zipped) Folder	6 KB
 sample	2/24/2017 9:16 PM	Text Document	0 KB

Name	Date modified	Type
 sample	2/9/2017 12:22 AM	Office Open XML Document
 sample	2/9/2017 12:55 AM	Application
 sample	2/9/2017 12:51 AM	Compressed (zipped) Folder
 sample	2/24/2017 9:16 PM	Text Document

Name

Date modified



sample

2/9/2017 12:22 AM



sample

2/9/2017 12:55 AM



sample

2/9/2017 12:51 AM



sample

2/24/2017 9:16 PM



# PREPARING A COMPUTER BEFORE YOU USE FREE SOFTWARE

(continued)

- If "Hide file extensions of known file types is turned off" in "Windows 10":

"sample.docx"





"sample.zip"





"sample.txt"





and

"sample.exe"

all will be displayed with their true file names:

Name ^	Date modified	Type	Size
 sample.docx	2/9/2017 12:22 AM	Office Open XML Document	12 KB
 sample.exe	2/9/2017 12:55 AM	Application	0 KB
 sample.txt	2/24/2017 9:16 PM	Text Document	0 KB
 sample.zip	2/9/2017 12:51 AM	Compressed (zipped) Folder	6 KB

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 sample.txt	2/24/2017 9:16 PM	Text Document
 sample.zip	2/9/2017 12:51 AM	Compressed (zipped) Folder

Name ^	Date modified
 sample.docx	2/9/2017 12:22 AM
 sample.exe	2/9/2017 12:55 AM
 sample.txt	2/24/2017 9:16 PM
 sample.zip	2/9/2017 12:51 AM

# PREPARING A COMPUTER BEFORE YOU USE FREE SOFTWARE (continued)

- For "Windows XP", "Windows Vista", "Windows 7", and "Windows 8.1", you can turn off "Hide file extensions.." by going to "Control Panel", "Folder Options", "View" tab, etc.
- For "Windows 10", you can turn off "Hide file extensions.." by going to "Control Panel", "File Explorer Options", "View" tab, etc.

# FOUR TYPES OF FREE APPS FOR A "WINDOWS.." COMPUTER

- Desktop apps  
( = "Win32" apps)
- UWP apps
- Portable apps
- Web apps  
= "SaaS"  
= "Software As a Service"

# FOUR TYPES OF FREE APPS FOR A "WINDOWS.." COMPUTER (continued)

- Details about the four types of apps for a "Windows.." computer can be found at [http://aztcs.org/meeting\\_notes/winhardsig/software/program-types-win.pdf](http://aztcs.org/meeting_notes/winhardsig/software/program-types-win.pdf)

# THREE LOCATIONS FOR OBTAINING FREE APPS FOR A "WINDOWS.. COMPUTER

- Bundled apps are the ones that are part of the "Windows.." operating system
- Web sites with downloadable "desktop apps"
- "Microsoft Store" for "UWP apps"



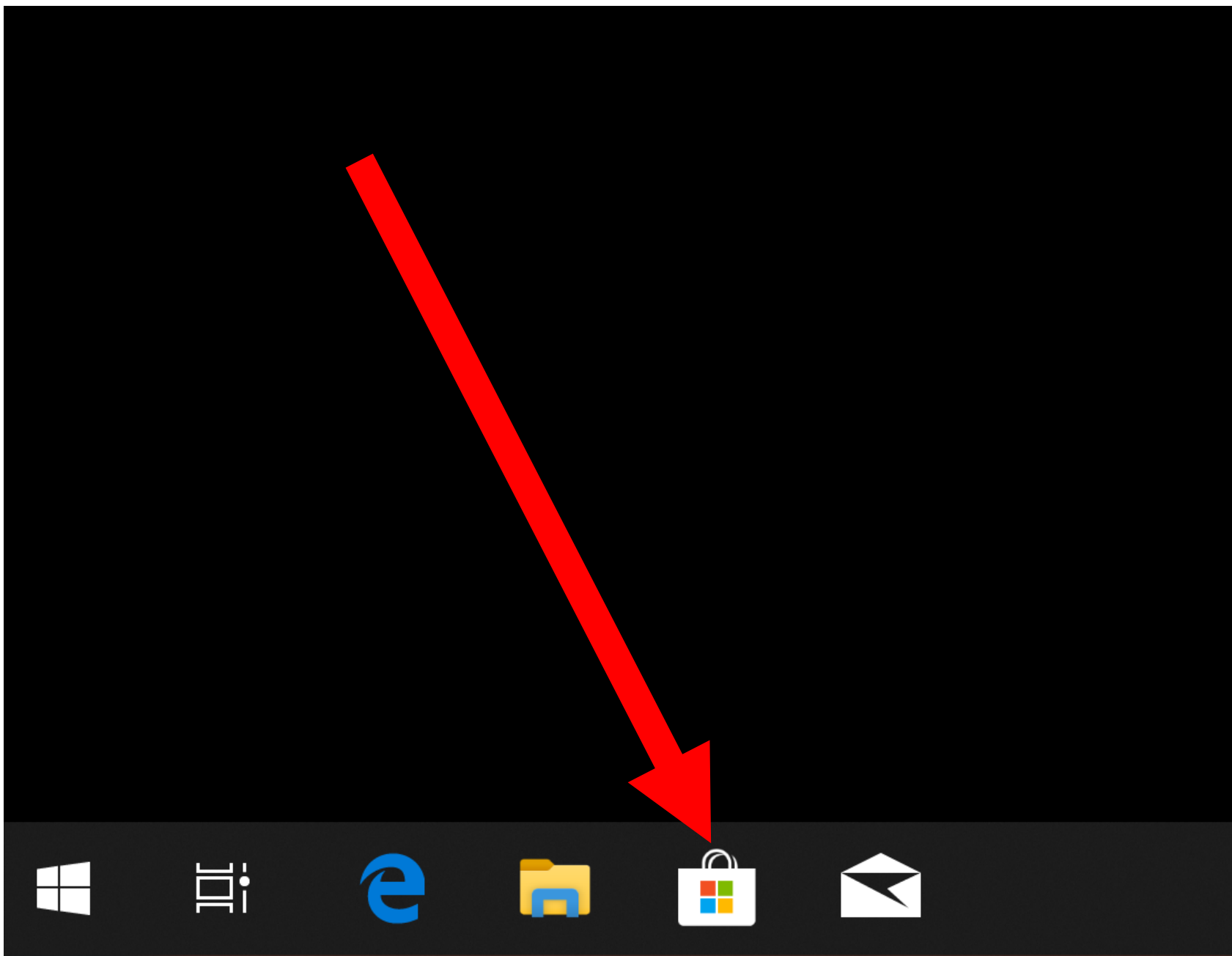
# APP LOCATIONS versus APP TYPES

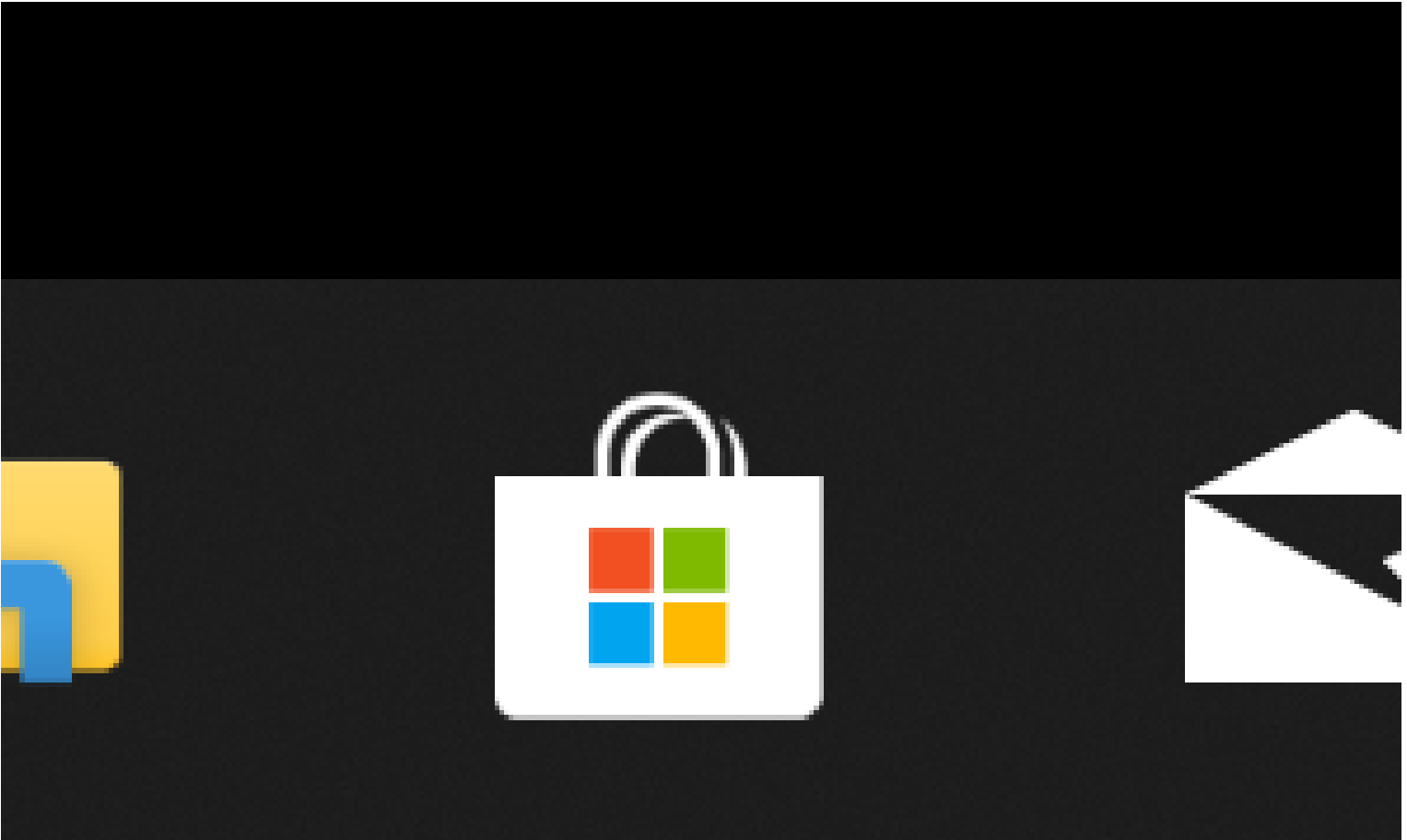
- "Bundled apps" are either "desktop apps" or "UWP apps":  
No "portable apps" are bundled with the "Windows.." operating system
- Web sites with free, downloadable apps provide either "desktop apps" or "portable apps"

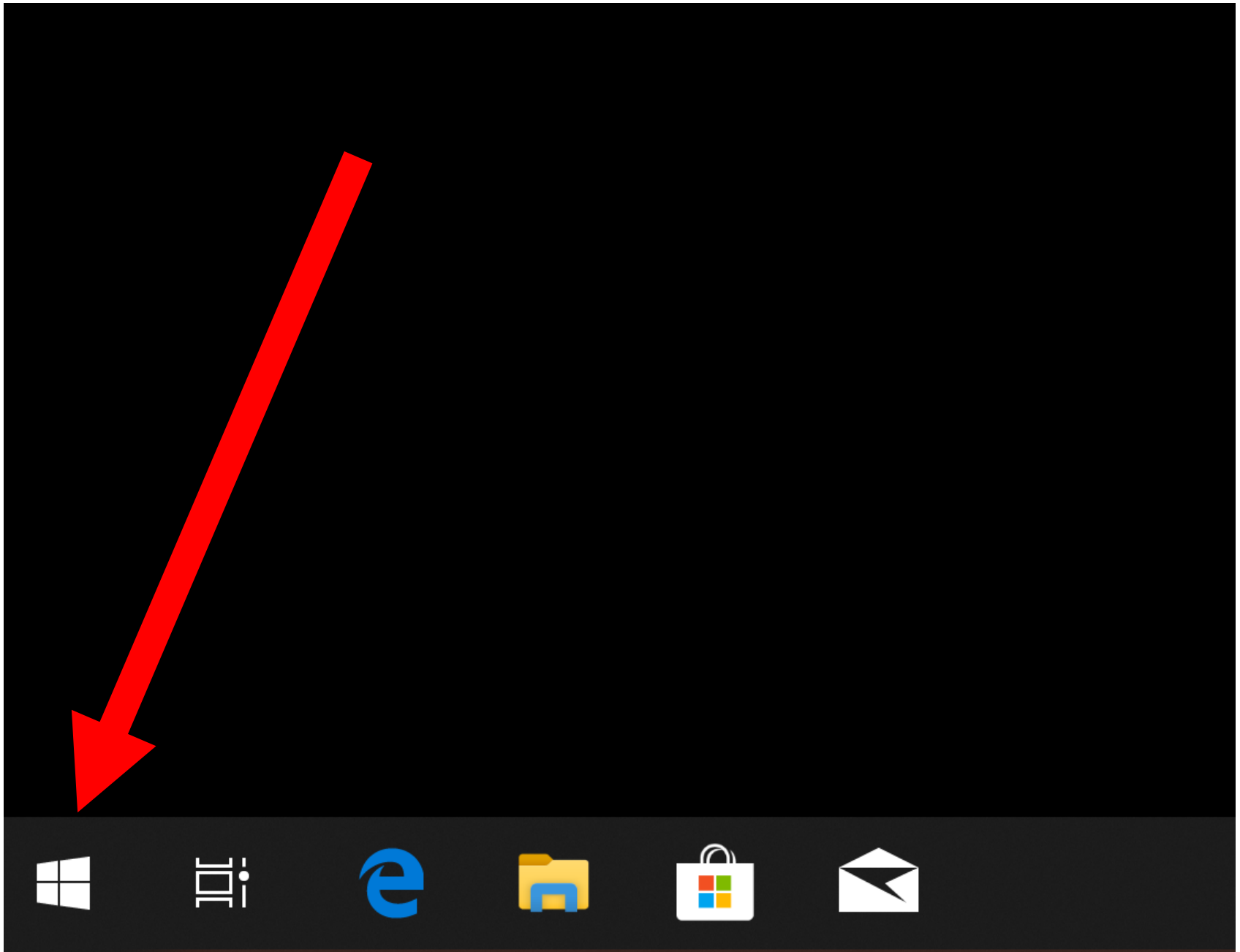
# APP LOCATIONS versus APP TYPES

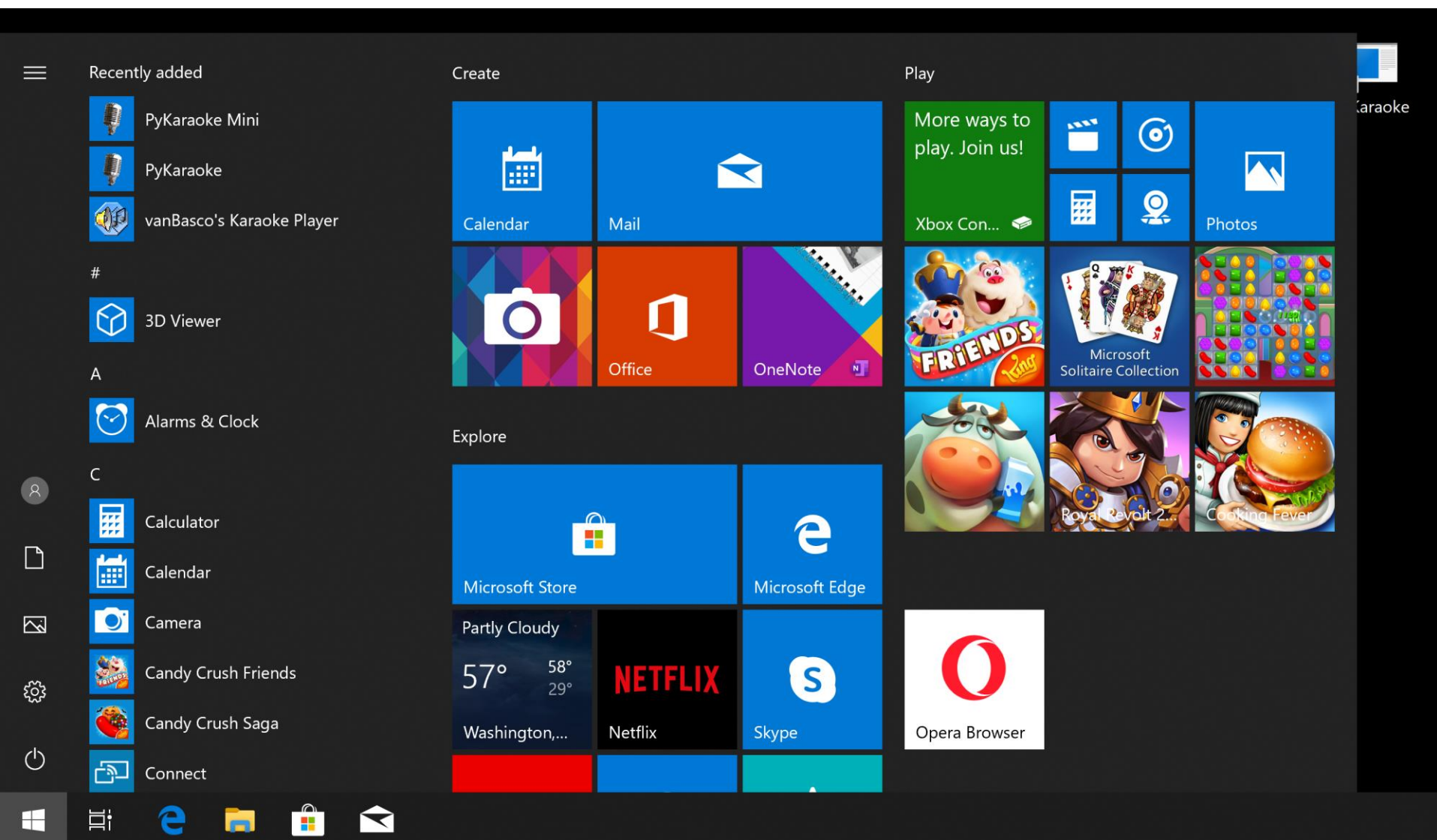
- The "Microsoft Store" provides some free "UWP" apps and some free "desktop apps"
- If you are at a Web site that is telling you about a UWP app and you click on an "Install" button, you will be automatically directed to the "Microsoft Store" since all "UWP apps" come from there

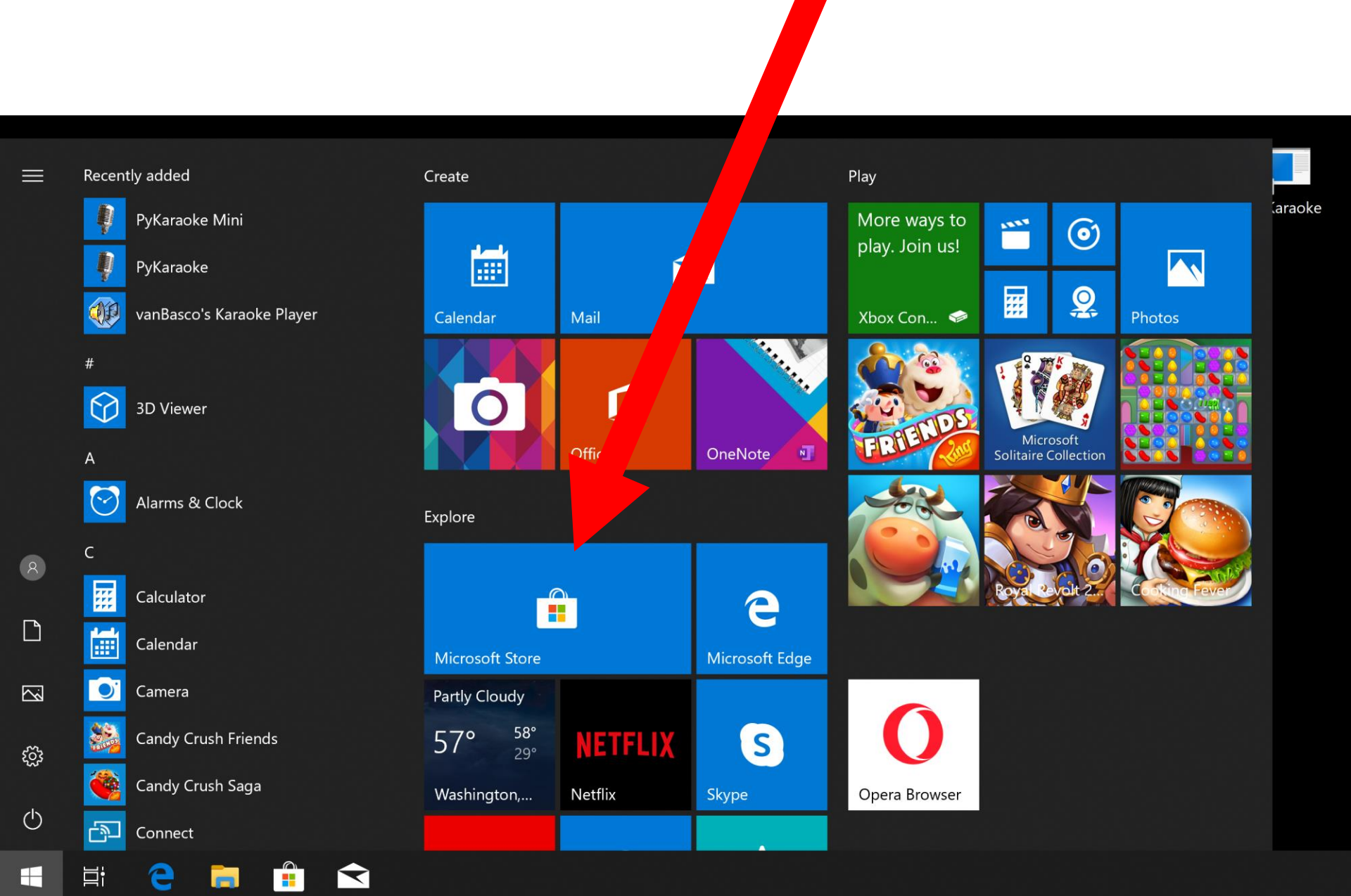










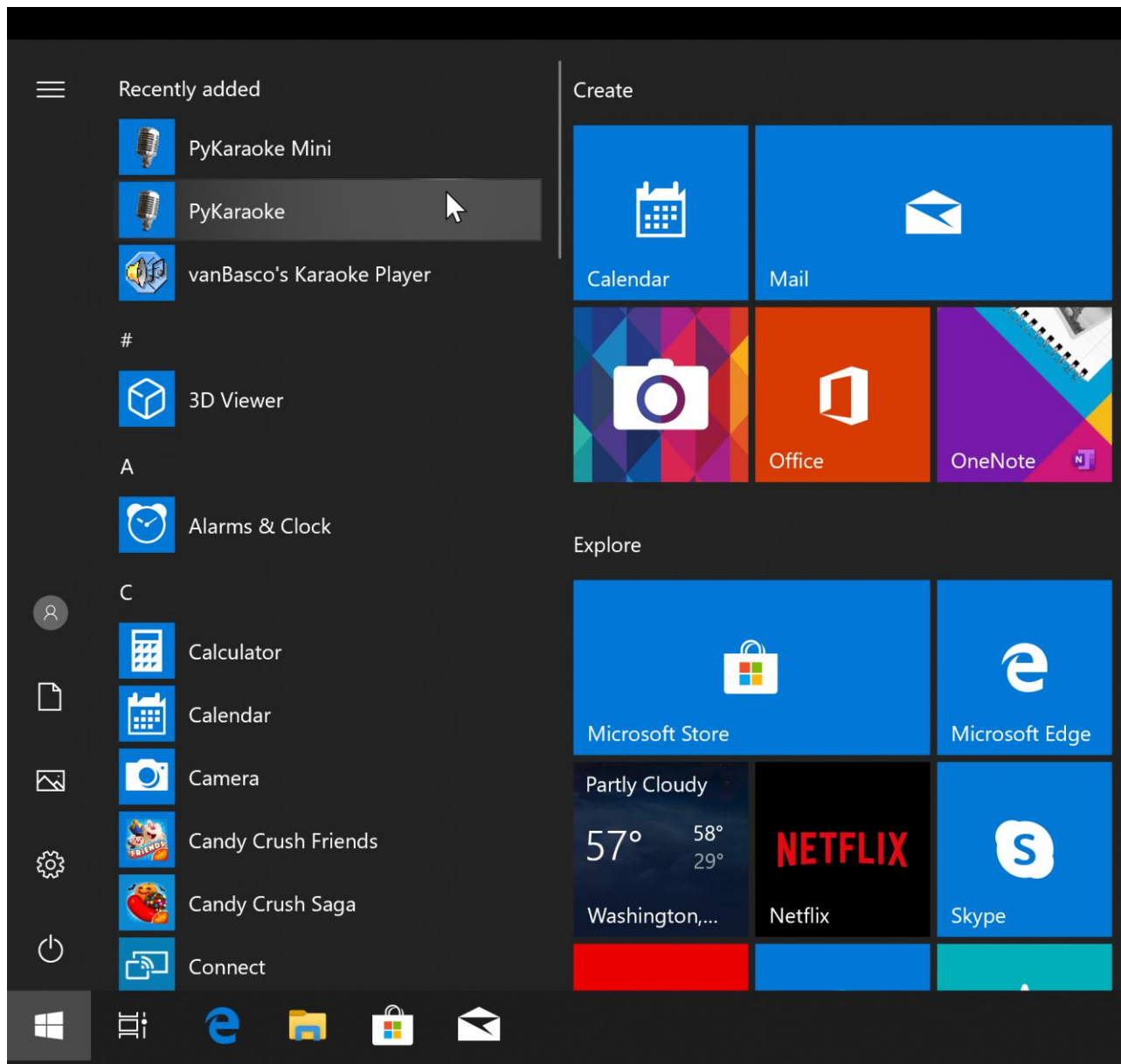


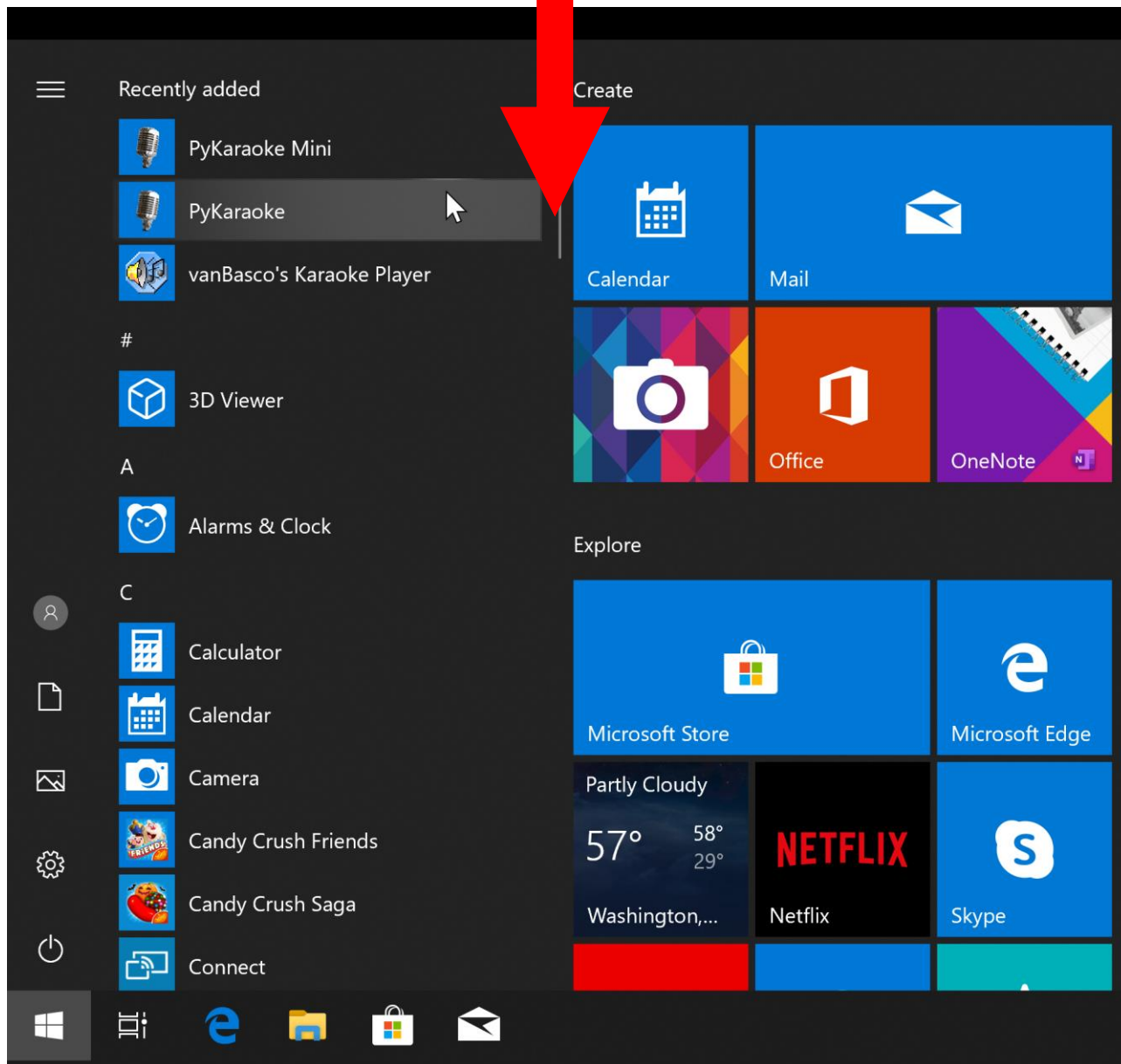


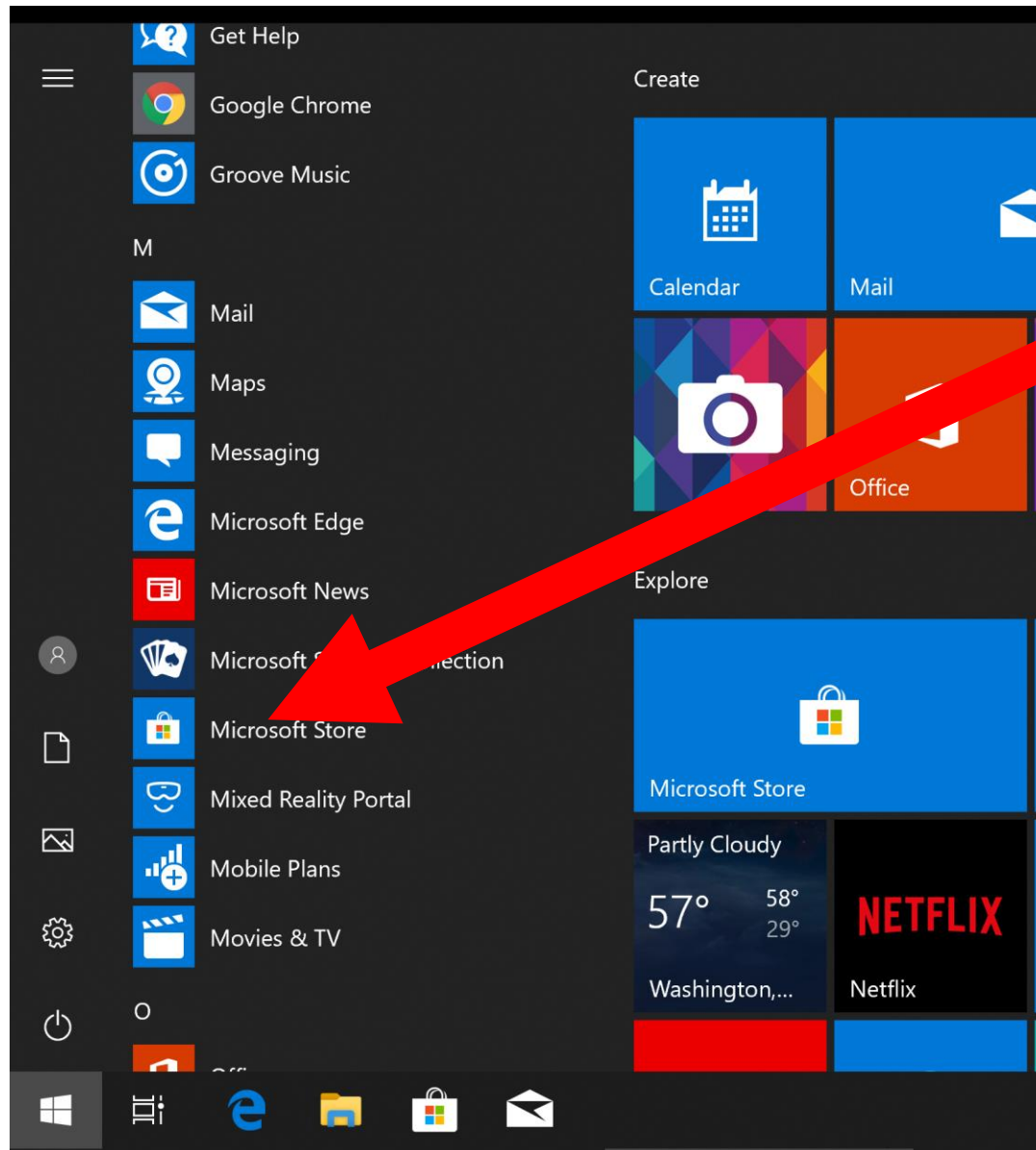


Microsoft Store

Mic









Microsoft Store



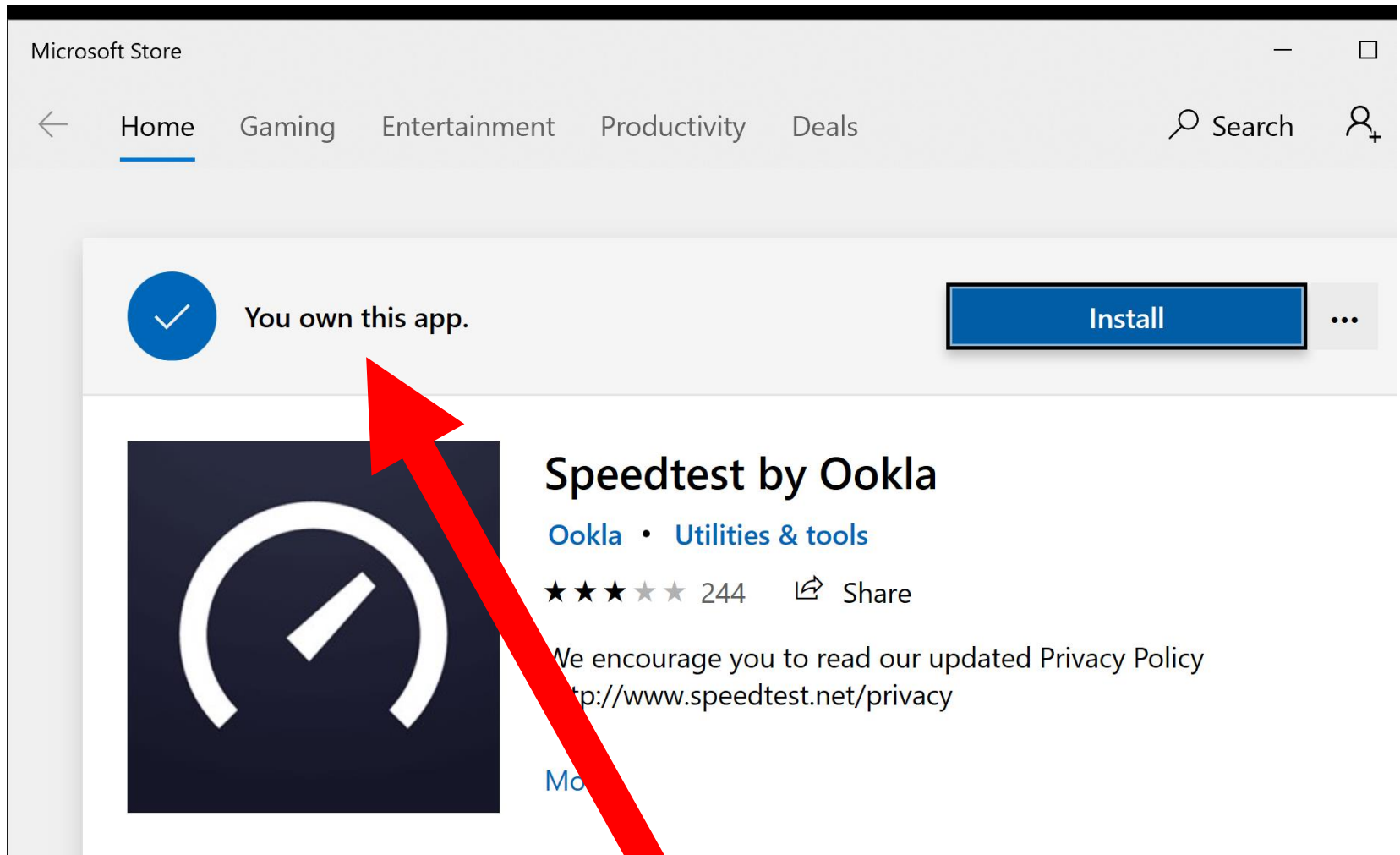
Mixed Reality Portal

# APP LOCATIONS versus APP TYPES

- *If you click on "Install" for an app at the "Microsoft store", the "..store" might require that you log in with a "Microsoft account" before it lets you download and install the app. Be alert for any checkbox options that are available BEFORE you enter in your "Microsoft account" so you do not make changes to your computer's Windows user account.*

# APP LOCATIONS versus APP TYPES

- For an example of how Microsoft's "Microsoft Store" app tries to get you to set your "Windows.." operating settings so that Microsoft can gather more information on you that they can sell to advertisers, here are screenshots of the installation of the "Speedtest.net" UWP app:







Microsoft Store

← Home Gaming Entertainment Productivity Deals

Search


 You own this app.

**Install** ...



## Speedtest by Ookla

Ookla • Utilities & tools

★★★★★ 244  Share

We encourage you to read our updated Privacy Policy  
<http://www.speedtest.net/privacy>

[More](#)



# Sign in

|Email, phone, or Skype

---

No account? [Create one!](#)

[Forgot username](#)

Next



← frank\_c19@outlook.com

## Enter password

Password

---

[Forgot password?](#)

Sign in



frank\_c19@outlook.com

## Use this account everywhere on your device

Windows will remember your account and make it easier to sign in to apps and websites. Clicking Next means that you'll be able to find a lost device, sync your settings to other devices, and ask Cortana for help.

Microsoft apps only

Next



frank\_c19@outlook.com

## Use this account everywhere on your device

Windows will remember your account and make it easier to sign in to apps and websites. Clicking Next means that you'll be able to find a lost device, sync your settings to other devices, and ask Cortana for help.

Microsoft apps only



Next



Home

Gaming

Entertainment

Productivity

Deals



to



Home

Gaming

Entertainment

Productivity

Deals

Search



This product is installed.

Launch



## Speedtest by Ookla

Ookla • Utilities & tools

Share Wish list

★★★★★ 244

We encourage you to read our updated Privacy Policy

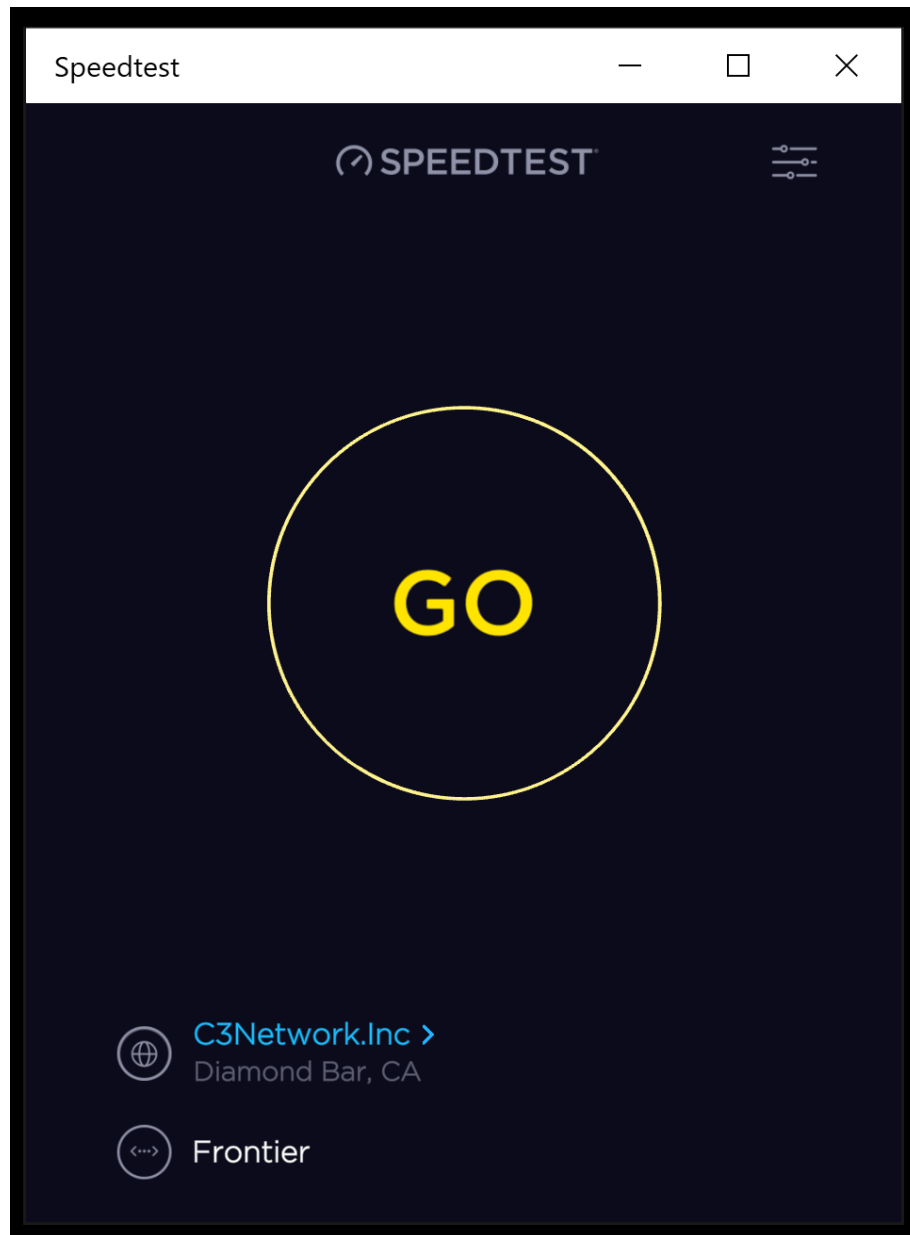
<http://www.speedtest.net/privacy>

More



EVERYONE

Free





# "LIBREOFFICE" OFFICE SUITE

- "LibreOffice" is a suite of "office productivity apps"
- The "portable apps" version of "LibreOffice" can be downloaded from  
<https://www.libreoffice.org/download/portable-versions/>

# "LIBREOFFICE" OFFICE SUITE

- The "desktop apps" version can be downloaded from <https://www.libreoffice.org/download/download/>

# "LIBREOFFICE" OFFICE SUITE (continued)

- The apps in the "portable apps" version take longer to start up but they are almost as fast as the apps in the "desktop app" version after the initial startup of the LibreOffice "portable app"

# "LIBREOFFICE" OFFICE SUITE

(continued)

- If you are already using the bundled "Wordpad" OR Microsoft Word.. to create or edit .DOC and/or .DOCX files, we recommend that you try out the "portable app" version of "LibreOffice" instead of the "desktop app" version in order to avoid conflicts with LibreOffice's "Writer" app.



LibreOfficePor  
table

LibreOfficePo...

Home

Share

View



s\testuser\Desktop\LibreOffice

Name



App



Data



Other



help.html



LibreOfficeBasePortable.exe



LibreOfficeCalcPortable.exe



LibreOfficeDrawPortable.exe



LibreOfficeImpressPortable.exe



LibreOfficeMathPortable.exe



LibreOfficePortable.exe



LibreOfficeBasePortable.exe



LibreOfficeCalcPortable.exe



LibreOfficeDrawPortable.exe



LibreOfficeImpressPortable.exe



LibreOfficeMathPortable.exe



LibreOfficePortable.exe





LibreOfficeBasePortable.exe



LibreOfficeCalcPortable.exe



LibreOfficeDrawPortable.exe



LibreOfficeImpressPortable.exe









LibreOfficeMathPortable.exe



LibreOfficePortable.exe





-  Writer Document
-  Calc Spreadsheet
-  Impress Presentation
-  Draw Drawing
-  Math Formula
-  Base Database



- **CELL PHONE BASICS (E)**

Your smart Android or iPhone cell phone is actually 6 separate radio transmitter-receivers in a very compact device. If you get a working understanding of the petty details of these 6 transmitter-receivers, you can make better use of your smart cell phone and save money:

- 6 transmitter-receivers in a smart cell phone:  
Cellular transceiver, Wi-Fi transceiver, Global navigation Satellite System (GNSS) receiver = (GPS, etc.),  
Bluetooth transceiver, Near-field Communication (NFC) and FM radio receiver
- Not having a data plan so that Wi-Fi is the cell phone's only

COMPUTER.xls - LibreOffice Calc				
File Edit View Insert Format Styles Sheet Data Tools Window Help				
A834				
CD-ROM				
	B	C	D	E
1	ITEM	DESCRIPTION	MANUFACTURER	MODEL_NO
826	DRIVE	MAXTOR" "DIAMOND MAX" 8.4 GIGABYTE 3.5-INCH. EIDE HAR	MAXTOR	P/N=K0188400D-04
827	*****	*****	*****	*****
828	CARD	SOUNBLASTER 16PCI SOUND CARD"	CREATIVE LABS	CT4740
829	*****	*****	*****	*****
830	COMPUTER	450-MHZ. PENTIUM II COMPUTER"	D-NET/DOMINO COMPUTER	
831	CARD	SOUND BLASTER AWE64" SOUND CARD"	CREATIVE TECHNOLOGY	AWE64
832	CARD	ATI 'ALL-IN-WONDER PRO' GRAPHICS ADAPTER	ALSO KNOWN AS "RAGE PRO 64""	ATI
833	*****	*****	*****	*****
834	DRIVE	"ACER" 50X "MAX" CD-ROM DRIVE WITH E-IDE/ATAPI INTERF	ACER PERIPHERALS, INC.	650P-002
835	*****	*****	*****	*****
836	PROTECTOR	"BELKIN" "SUGEMASTER II" POWER STRIP WITH PHONE LINE	BELKIN	F5C895-TEL
837	SUPPLY	"COMPUSA" 300 WATT ATX POWER SUPPLY	NOT KNOWN	NONE STATED
838	MODEM	"HI VAL" EXTERNAL V.90 DATA/FAX MOTEL WITH ROCKWELL	HI-VAL, INC.	V1456VQE-R1
839	----->	----->	----->	----->
840	(MODEM)	("HI VAL" EXTERNAL "AZTECH" V.90 DATA/FAX MOTEL WITH 5	(HI-VAL, INC./AZTECH)	(EM6800U)
841	MODEM	"BEST DATA" EXTERNAL 56K DATA FAX MODEM	BEST DATA PRODUCTS	56SX-2

# "LIBREOFFICE" OFFICE SUITE

- The "desktop apps" version of "LibreOffice" can be downloaded from <https://www.libreoffice.org/download/download/>

# "LIBREOFFICE" OFFICE SUITE (continued)

- One way to edit an existing document file an app that is part of the "portable app" version of "LibreOffice" is to drag the existing document file and drop it on top of the pertinent executable app of the "LibreOffice"

# "LIBREOFFICE" OFFICE SUITE (continued)

- "LibreOffice" apps can edit .docx, .doc, .xls, .xlsx, .pptx, and .ppt files that have been created and then password-protected by Microsoft Office apps but "LibreOffice" apps cannot change or delete the password protection of these files

# "LIBREOFFICE" OFFICE SUITE (continued)

- "LibreOffice" apps default to
- .ODT = "Open Document Format  
Text Document"
- .ODS = "Open Document Format  
Spreadsheet"
- .ODP = "Open Document Format  
Presentation"

# "LIBREOFFICE" OFFICE SUITE (continued)

- LibreOffice Writer defaults to  
.ODT = "Open Document Format  
Text Document"
- LibreOffice Calc defaults to  
.ODS = "Open Document Format  
Spreadsheet"
- LibreOffice Impress defaults to  
.ODP = "Open Document Format  
Presentation"



# "LIBREOFFICE" OFFICE SUITE

(continued)

- LibreOffice Writer defaults to .ODT which is sort of analogous to the .DOCX file format
- LibreOffice Calc defaults to .ODS which is sort of analogous to the .XLSX file format
- LibreOffice Impress defaults to .ODP whici is sort of analogous to the .PPTX file format

# "LIBREOFFICE" OFFICE SUITE (continued)

- Use to "LibreOffice Writer" to convert an .ODT document file to a .DOC or .DOCX file before emailing it to a "Microsoft Office" user so that they can open it in their version of "Microsoft Word".

# "LIBREOFFICE" OFFICE SUITE (continued)

- Use "LibreOffice Calc" to convert an .ODS spreadsheet file to an .XLS or .XLSX spreadsheet file before emailing it to a "Microsoft Office" user so that they can open it in their version of "Excel".

# "LIBREOFFICE" OFFICE SUITE (continued)

- Use "LibreOffice Impress" to convert .ODP Presentation to a .PPT or .PPTX presentation file before emailing it to a "Microsoft Office" user so that they can open it in their version of "PowerPoint"

# "LIBREOFFICE" OFFICE SUITE (continued)

- <https://www.howtogeek.com/281166/how-to-change-the-default-file-format-in-libreoffice/>
- However, forcing LibreOffice apps to edit files in Microsoft Office file formats can cause problems because LibreOffice works best with it's default "Open Document Format" formats

# "LIBREOFFICE" OFFICE SUITE (continued)

- The "desktop app" version of "LibreOffice" has been bundled in every distribution of Linux that we have evaluated for the past 7 years

# "THUNDERBIRD" EMAIL APP

- The "portable app" version of the "Thunderbird" email app can be downloaded at [https://portableapps.com/apps/internet/thunderbird\\_portable](https://portableapps.com/apps/internet/thunderbird_portable)

# "THUNDERBIRD" EMAIL APP (continued)

- The comprehensive features of "Thunderbird" are listed at <https://www.thunderbird.net/en-US/features/>



# "THUNDERBIRD" EMAIL APP

(continued)

- You can access your email with a Web browser if you are okay with leaving your email up in the cloud
- If you do not need the enterprise-class features of "Thunderbird" but you wish to download your email into your computer, you can use the bundled "Mail" "UWP app" of "Windows 10"

# "MICROSOFT EDGE" AS AN ADOBE .PDF READER

- "Microsoft Edge" became capable of reading and form-filling Adobe Acrobat .PDF files for "Windows 10" in 2016

# "MICROSOFT EDGE" AS AN ADOBE .PDF READER (continued)

- Microsoft's developers are currently working on converting "Microsoft Edge" from a "UWP app" to a "Chromium-based" "desktop app".

See

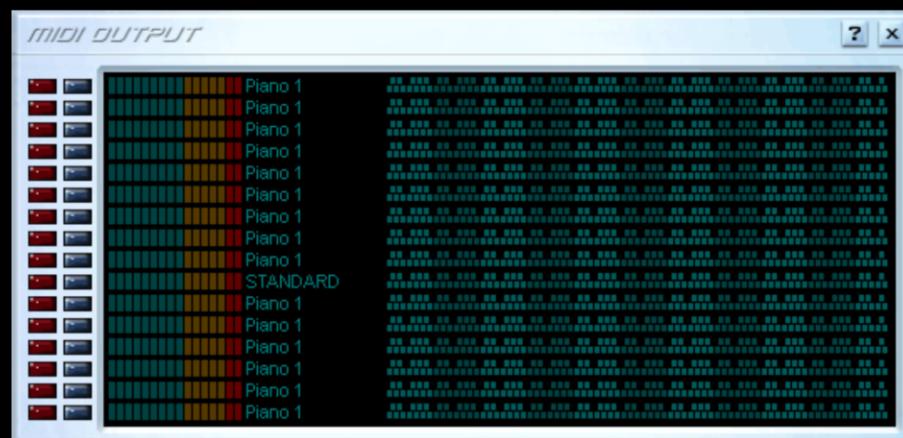
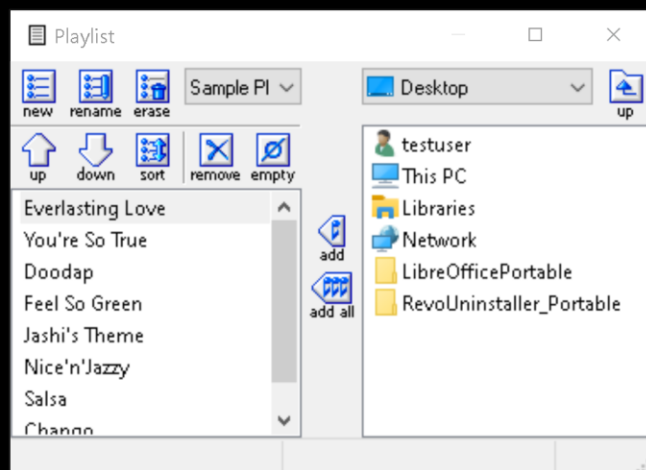
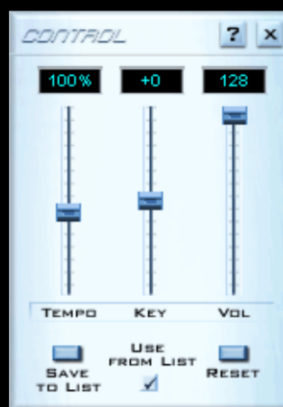
<https://mcpmag.com/articles/2019/07/18/microsoft-edge-enterprise-improvements.aspx>

# "VANBASCO'S KARAOKE PLAYER"

- "VanBasco's Karaoke Player" is a "desktop app" that available at <http://vanbasco.com>
- The developer of this free "desktop app" is located in Germany. See <http://www.vanbasco.com/about.html>



vanBasco's  
Karaoke  
Player



# "VANBASCO'S KARAOKE PLAYER" (continued)

- For instructions on using "VanBasco's Karaoke Player" desktop app, see pages 9 through 11 of [http://aztcs.org/meeting\\_notes/winhardsig/add-ons/karaoke/karaoke-Windows-Part2.pdf](http://aztcs.org/meeting_notes/winhardsig/add-ons/karaoke/karaoke-Windows-Part2.pdf)

# "PYKARAOKE" APP

- "Pykaraoke" is a desktop app that is available at <http://kibosh.org/pykaraoke/>





PyKaraoke  
New



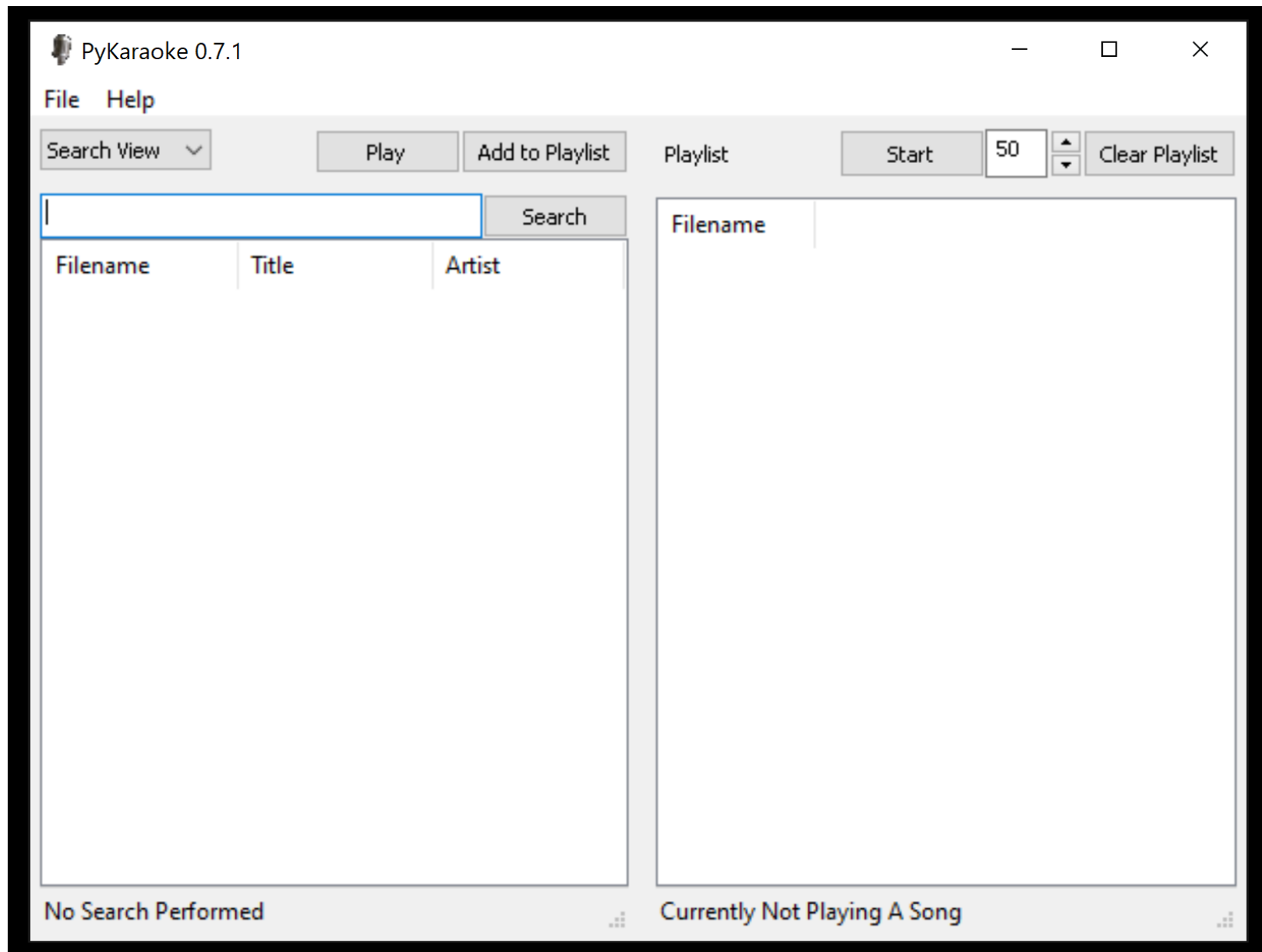
PyKaraoke



PyKaraoke Mini  
New



PyKaraoke on the Web



# "PYKARAOKE" APP (continued)

- To use "PyKaraoke", follow the instructions on pages 16 through 21 at  
[http://aztcs.org/meeting\\_notes/winhardsig/add-ons/karaoke/karaoke-Windows-Part2.pdf](http://aztcs.org/meeting_notes/winhardsig/add-ons/karaoke/karaoke-Windows-Part2.pdf)

# FREE KARAOKE MUSIC FILES

- You can obtain free Karaoke files (for in-home private use) at many Web sites.

These files are in the .KAR, .MID, and .MIDI format as explained at

Name

- \_\_Christmas Songs
- \_\_Jewish Songs
- \_\_New Year Songs
- Austrian Songs
- Children's Songs
- Christian Songs
- Country Songs
- Dutch Songs
- English and Scottish-English Songs
- French Songs
- German Songs
- Hungarian Songs
- Irish Songs
- Italian Songs
- Japanese Songs
- Other Songs
- Patriotic Songs
- Pop Rock Soul
- Portuguese Songs
- Russian Songs
- Spanish Songs
- Web sites for downloading songs for free

↑ > \_\_Karaoke\_Song\_File\_Library

Name

\_\_Christmas Songs










\_\_Jewish Songs

\_\_New Year Songs

Austrian Songs

Children's Songs

-  Christian Songs
-  Country Songs
-  Dutch Songs
-  English and Scottish-English Songs
-  French Songs
-  German Songs
-  Hungarian Songs
-  Irish Songs

-  Italian Songs
-  Japanese Songs
-  Other Songs
-  Patriotic Songs
-  Pop Rock Soul
-  Portuguese Songs
-  Russian Songs
-  Spanish Songs
-  Web sites for downloading songs for free



# FREE SCREEN RECORDING AND MEDIA CAPTURE APPS

- Free "media capture" with the "aTube Catcher" app is available at [http://aztcs.org/meeting\\_notes/media/72-free-media-capture-aTube.pdf](http://aztcs.org/meeting_notes/media/72-free-media-capture-aTube.pdf)

# FREE SCREEN RECORDING AND MEDIA CAPTURE APPS (continued)

- Free "screen recording" with the "iSpring Free Cam" app is available at [http://aztcs.org/meeting\\_notes/media/81-free-screen-record-iSpring.pdf](http://aztcs.org/meeting_notes/media/81-free-screen-record-iSpring.pdf)

# FREE SCREEN RECORDING AND MEDIA CAPTURE APPS (continued)

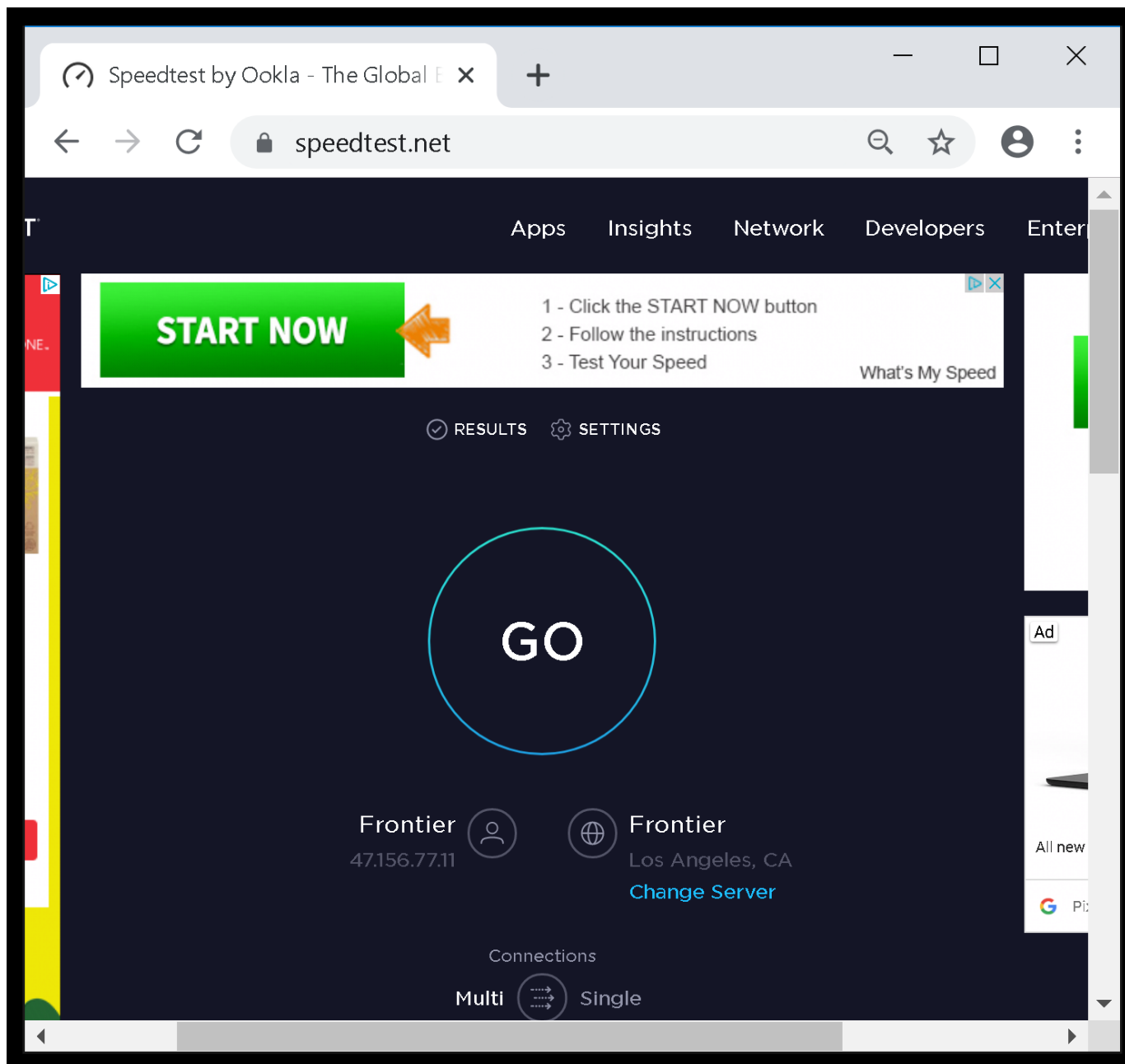
- The differences between "screen recording" and "media capture" are described at [http://aztcs.org/meeting\\_notes/winhardsig/media/10-streaming\\_basics.pdf](http://aztcs.org/meeting_notes/winhardsig/media/10-streaming_basics.pdf)

# "SPEEDTEST.NET" TO MEASURE INTERNET BANDWIDTH SPEEDS

- <https://speedtest.net>
- Provides two apps:  
a "Web app"  
and  
a "UWP app"  
The "UWP app" is more accurate  
than the "Web app".

# "SPEEDTEST.NET" TO MEASURE INTERNET BANDWIDTH SPEEDS (continued)

- The "Web app" version of "speedtest.net" looks like this from inside the "Google Chrome" Web browser:

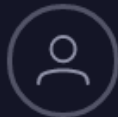


✓ RESULTS ⚙️ SETTINGS

GO

Frontier

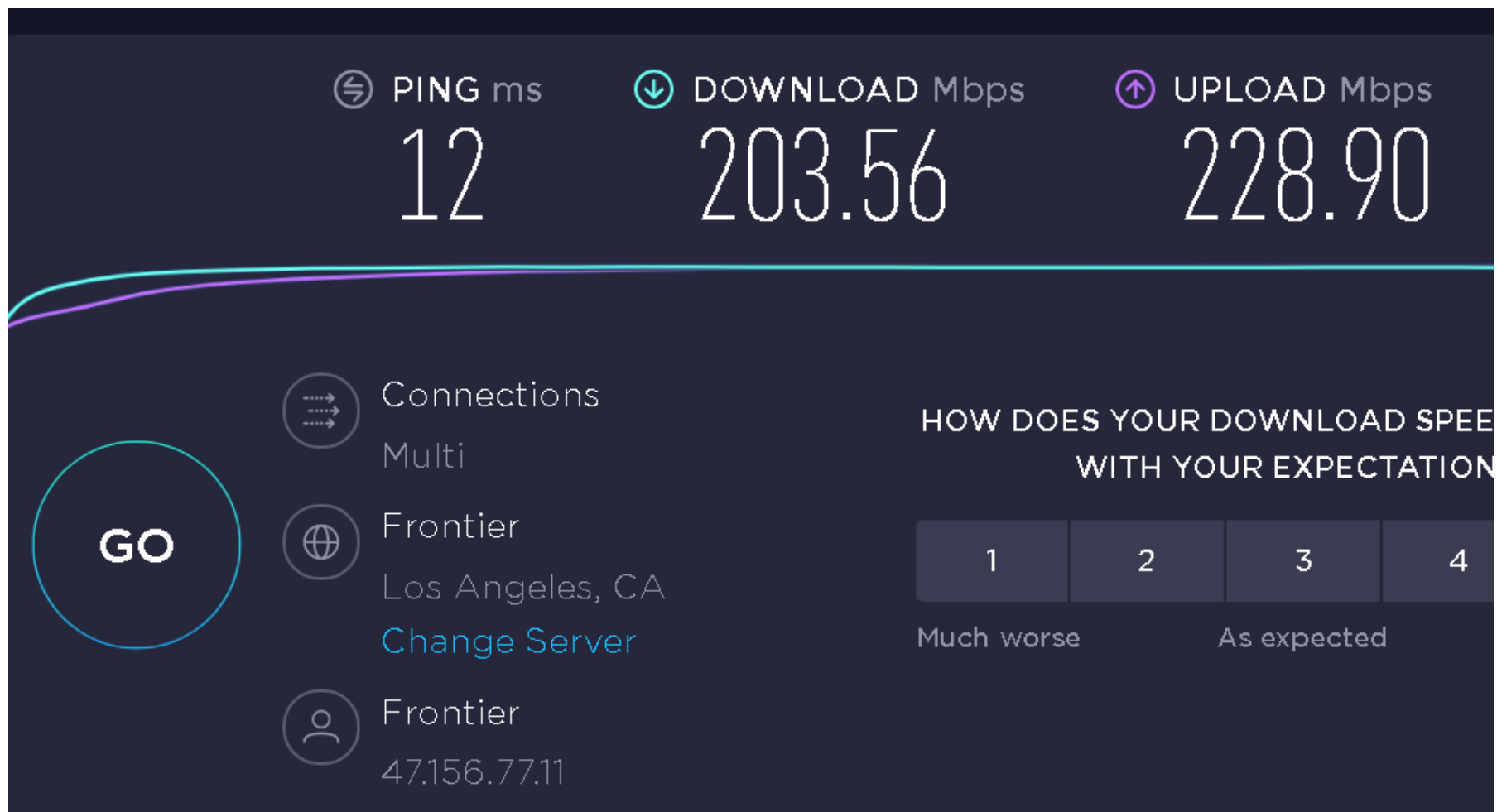
47.156.77.11



Frontier

Los Angeles, CA

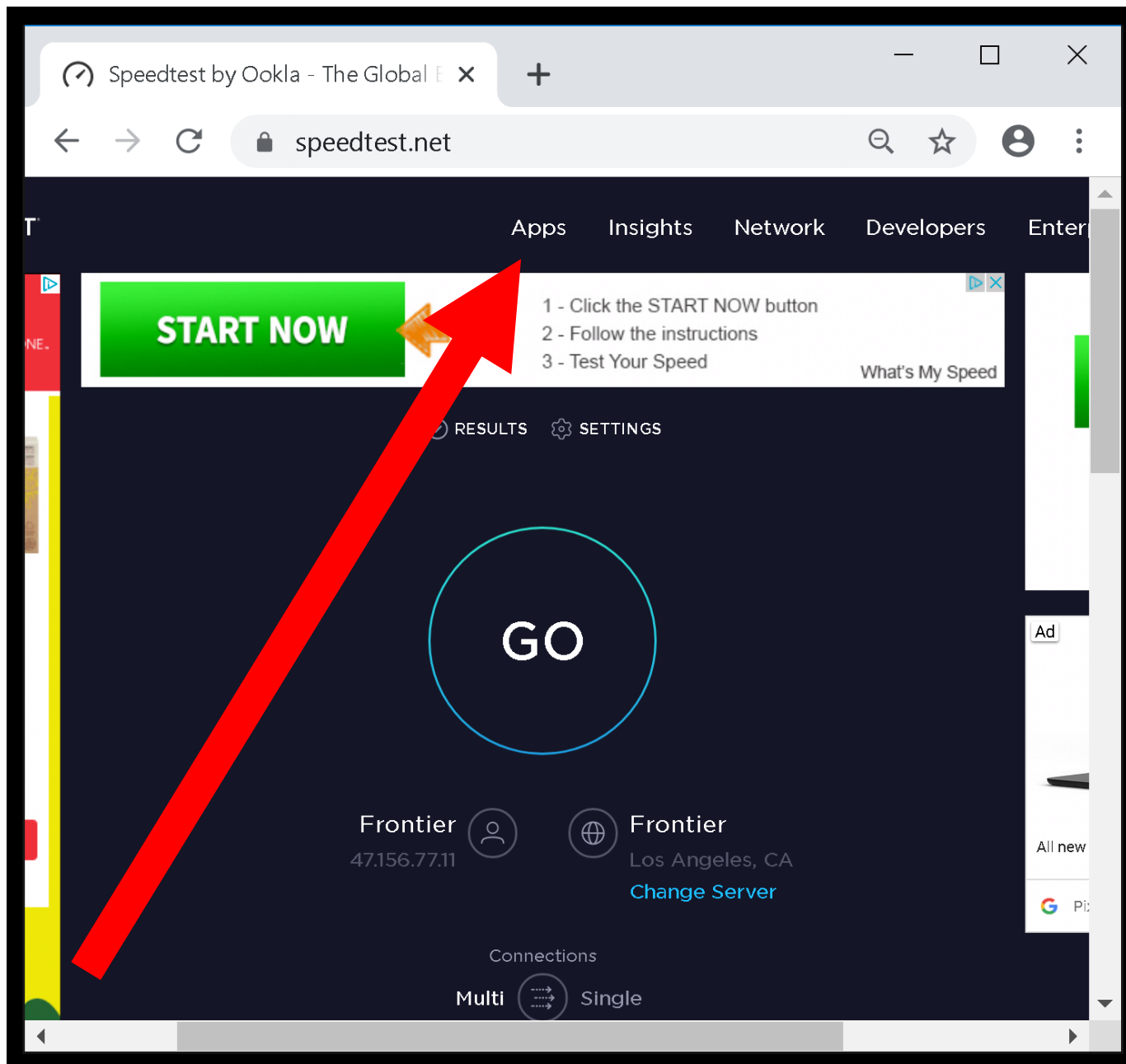
[Change Server](#)





# "SPEEDTEST.NET" TO MEASURE INTERNET BANDWIDTH SPEEDS (continued)

- To install the "UWP app" version of "speedtest.net" click on "Apps" in the top of the speedtest.net Web site:



e Global E x



edtest.net

Apps

Insights



- 1 - Click the START NC
- 2 - Follow the instructio
- 3 - Test Your Speed



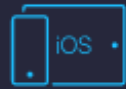
RESULTS



SETTINGS

Apps

Insights



iOS



Android



Mac



Windows



Chrome



Apple TV



CLI



CLI

ons

HOW DOES YOU



Speedtest for Windows - Download



speedtest.net/apps/windows

 SPEEDTEST

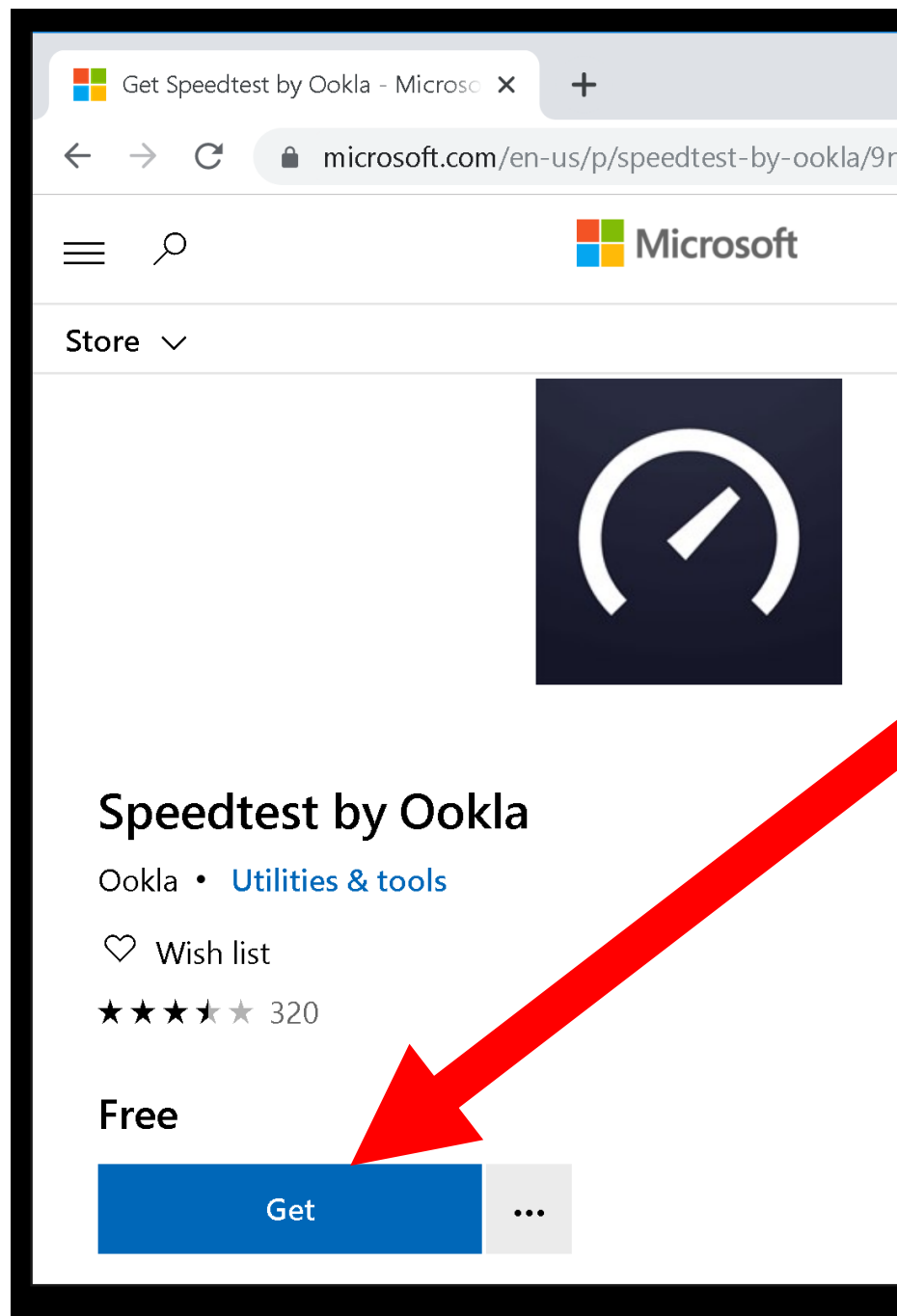
Speedtest® Apps > Desktop apps > Windows

# SPEEDTEST® FOR WINDOWS



Get it from

**Microsoft**



Microsoft Store

←

Home

Gaming

Entertainment

Productivity

Deals


Search

✓

You own this app.

Install

...



Speedtest by Ookla

Ookla • Utilities & tools

★★★★☆ 244 

Share

We encourage you to read our updated Privacy Policy  
<http://www.speedtest.net/privacy>

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<http://www.speedtest.net/privacy>

More





# Sign in

|Email, phone, or Skype

---

No account? [Create one!](#)

[Forgot username](#)

Next



← frank\_c19@outlook.com

## Enter password

Password

---

[Forgot password?](#)

Sign in



frank\_c19@outlook.com

## Use this account everywhere on your device

Windows will remember your account and make it easier to sign in to apps and websites. Clicking Next means that you'll be able to find a lost device, sync your settings to other devices, and ask Cortana for help.

Microsoft apps only

Next



frank\_c19@outlook.com

## Use this account everywhere on your device

Windows will remember your account and make it easier to sign in to apps and websites. Clicking Next means that you'll be able to find a lost device, sync your settings to other devices, and ask Cortana for help.

Microsoft apps only



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Entertainment

Productivity

Deals

Search



This product is installed.

Launch



## Speedtest by Ookla

Ookla • Utilities & tools

Share Wish list

★★★★★ 244

We encourage you to read our updated Privacy Policy

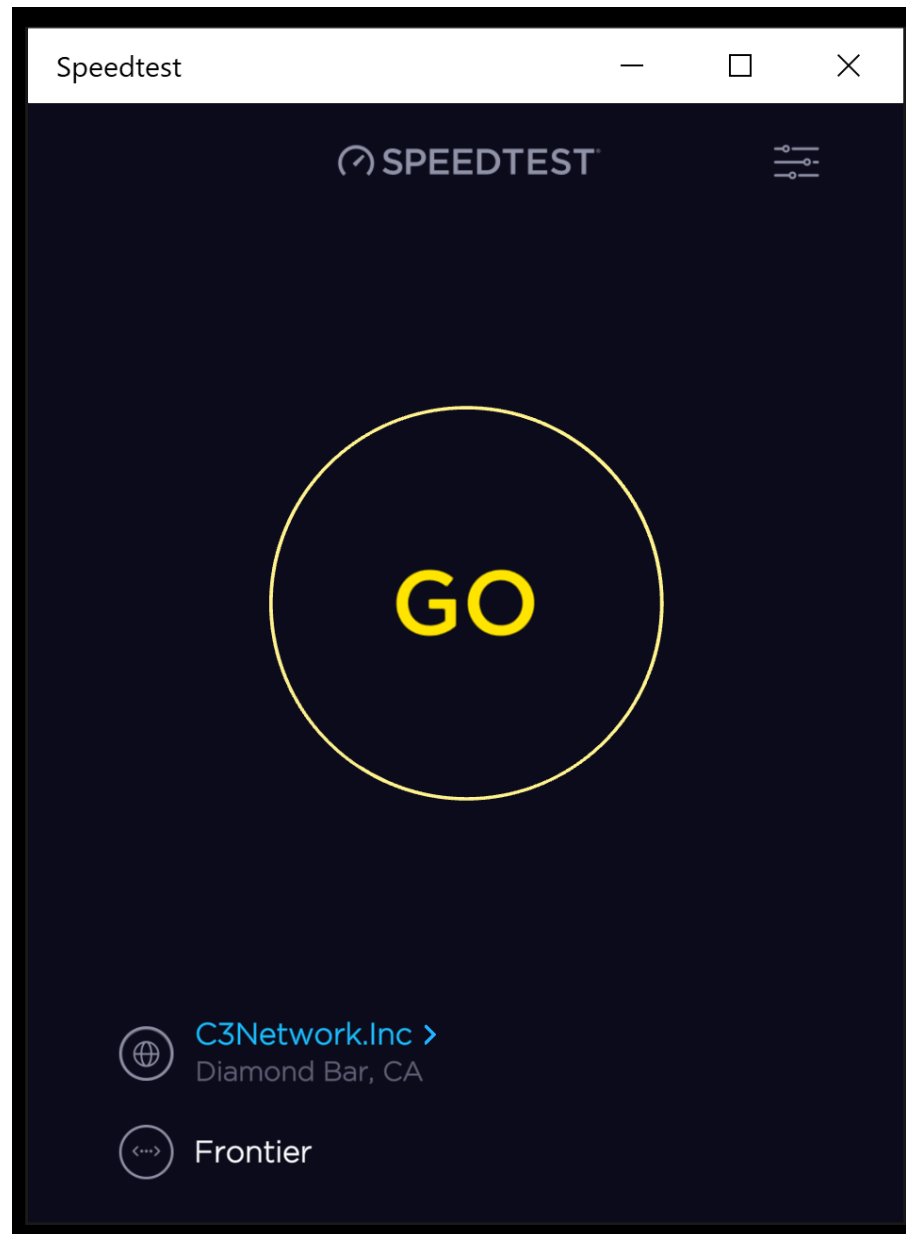
<http://www.speedtest.net/privacy>

More



EVERYONE

Free



Speedtest



 SPEEDTEST™



 PING

13

ms

 DOWNLOAD

205.02

Mbps

 UPLOAD

229.16

Mbps

GO



[C3Network.Inc >](#)

Diamond Bar, CA



Frontier



# "USBTREEVIEW" TO TROUBLESHOOT USB PROBLEMS

- "USBTreeView" is a free "portable app" that helps you troubleshoot and resolve USB problems:  
Use "USBTreeView" to determine if a USB hard drive is running at "Full Speed", "SuperSpeed", or "SuperSpeed Plus"

# "USBTREEVIEW" TO TROUBLESHOOT USB PROBLEMS (continued)

- You can download "USBTreeView"  
at  
[https://www.uwe-  
sieber.de/usbtreeview\\_e.html](https://www.uwe-sieber.de/usbtreeview_e.html)



## USB Device Tree Viewer V3.3.6

[Home](#)



[This page in German language](#)

[\[Download\]](#)

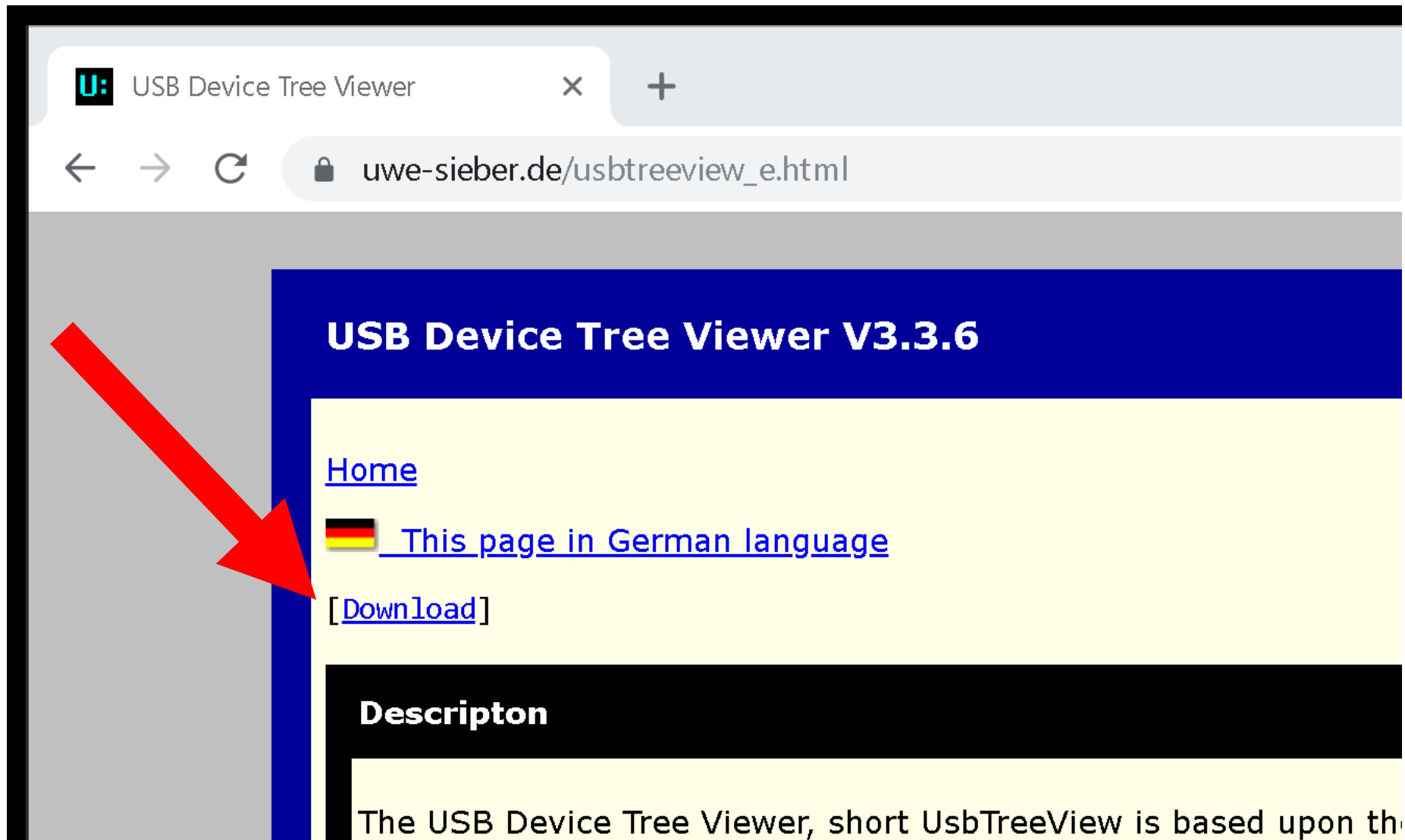
### Description

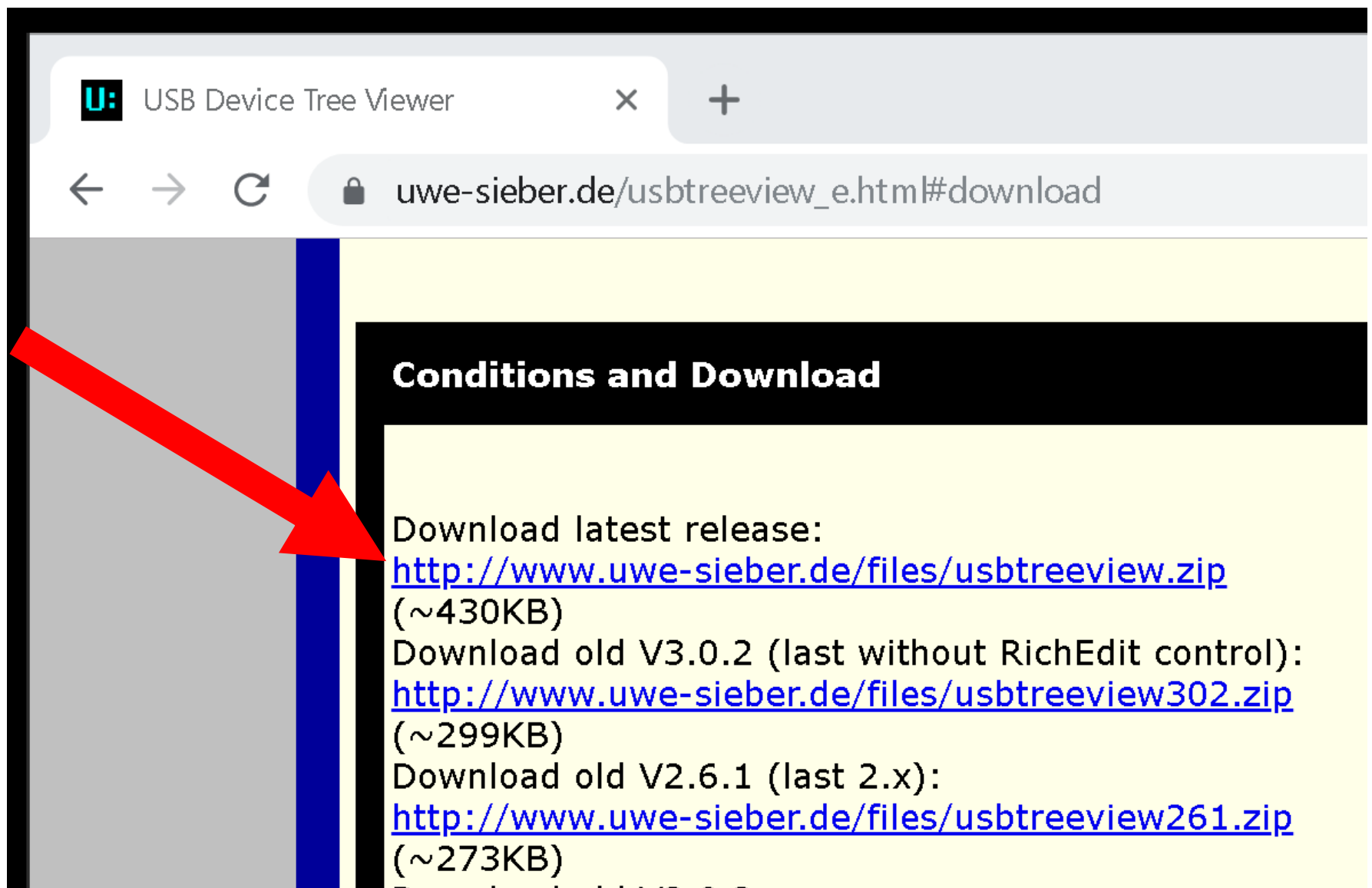
The USB Device Tree Viewer, short UsbTreeView is based upon the Microsoft "USBView" sample application found in the Windows Driver Development Kits and now standalone at [GitHub](#).

But it is source code only, there is no executable for end users provided. Meanwhile USBView comes as executables as part of the "Debugging Tools für Windows", see here: [USBView](#).

UsbTreeView started with the USBView source code from the DDK for Server 2003. Here are the improvements I've done:

- Informations from the Windows Device Management are collected and matched with the found USB devices; Therefore UsbTreeView can show the child devices, including drive letters and COM-ports
- Window position is saved
- Background color and font of the right pane can be set (the font shown in the screenshots is [DOSLike 7](#))
- Keeps the tree item selection over refresh
- TreeView highlighting of arrived and removed devices
- Shows open handles on failed safe removal





usbtreeview is fre

Allowed:

- usage in any env
- include in softwa
- include on CD/DV
- distribution by m

Not allowed:

- modify any of the
- offer for downloa

I don't ask for don  
[PayPal](#)



usbtreeview.zip



usbtreeview is fre

Allowed:

- usage in any env
- include in softwa
- include on CD/DV
- distribution by m

Not allowed:

- modify any of the
- offer for downloa

I don't ask for don

[PayPal](#)



usbtreeview.zip



Other old releases are available under the [usbtreeviewNNN](#).

UsbTreeView is Freeware.

Allowed:

- usage in any environment
- include in software packages
- include on CD/DVD
- distribution by means of

Not allowed:

Open

Always open files of this type

Show in folder

Cancel



usbtreeview.zip





Other old releases are available under the usbtreeviewNNN.

UsbTreeView is Freeware.

Allowed:

- include in any enviro

- include in software

- include on CD/DVD

- distribution by mean

Not allowed:

Open

Always open files of this type

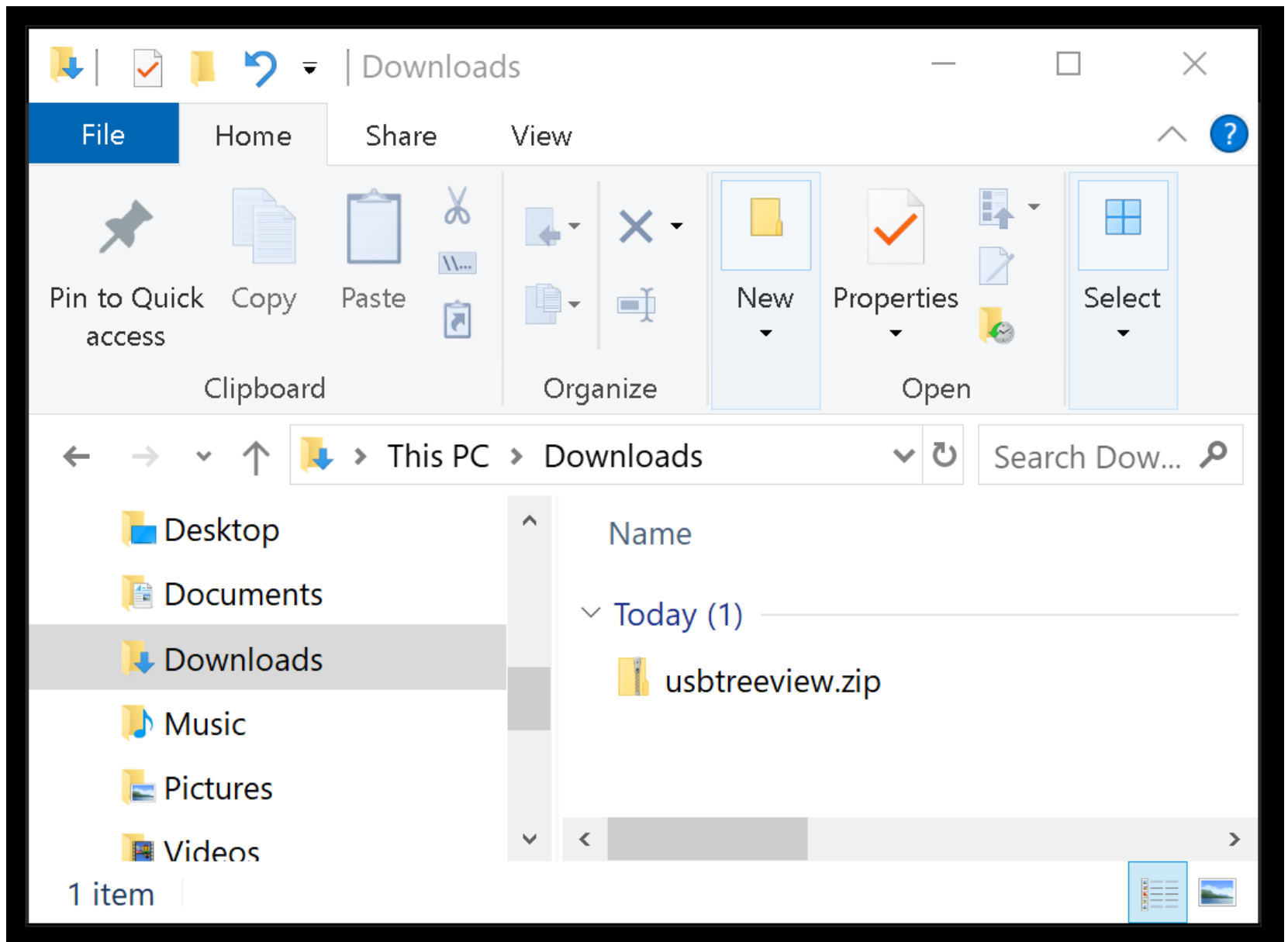
Show in folder

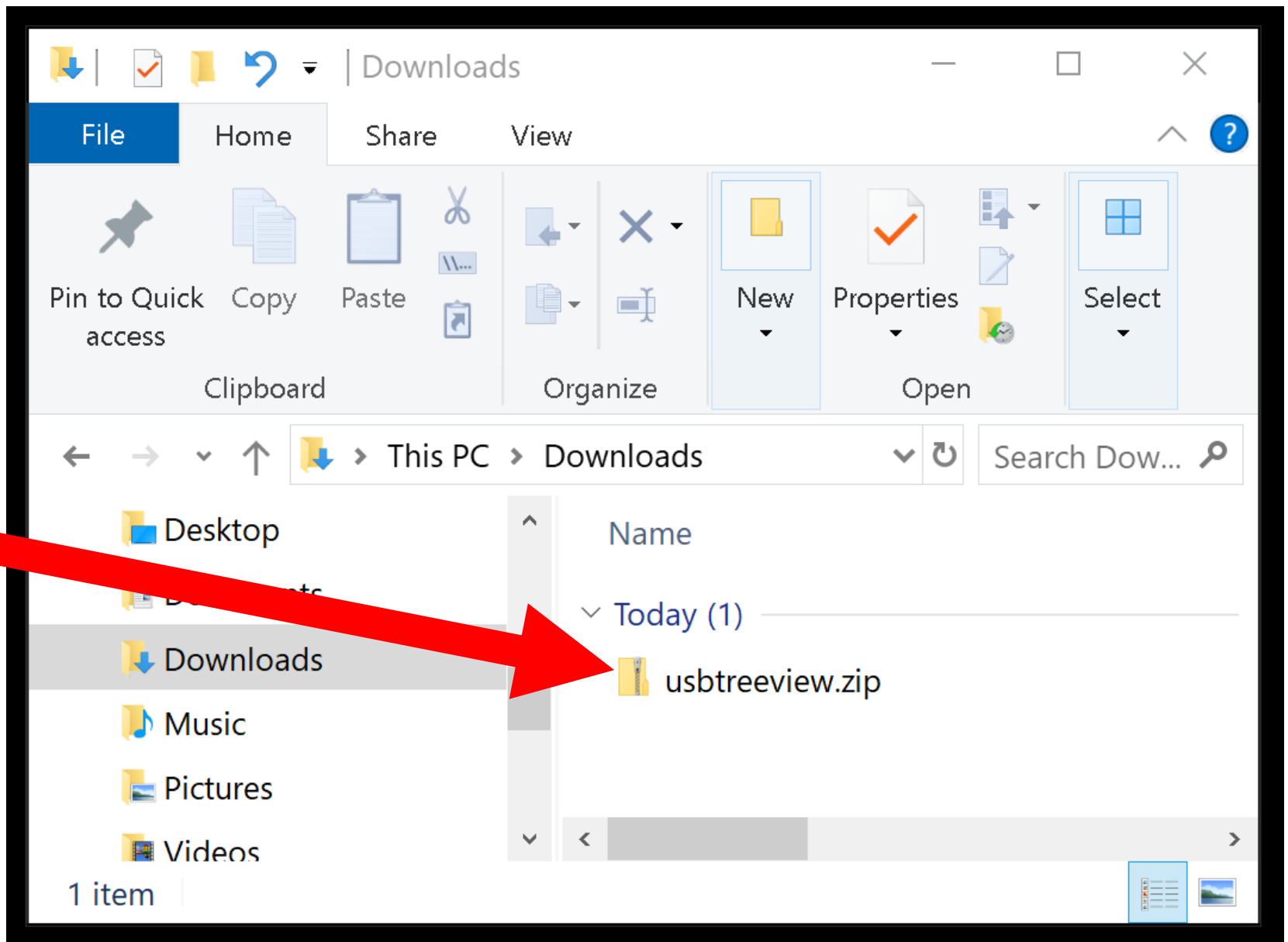
Cancel

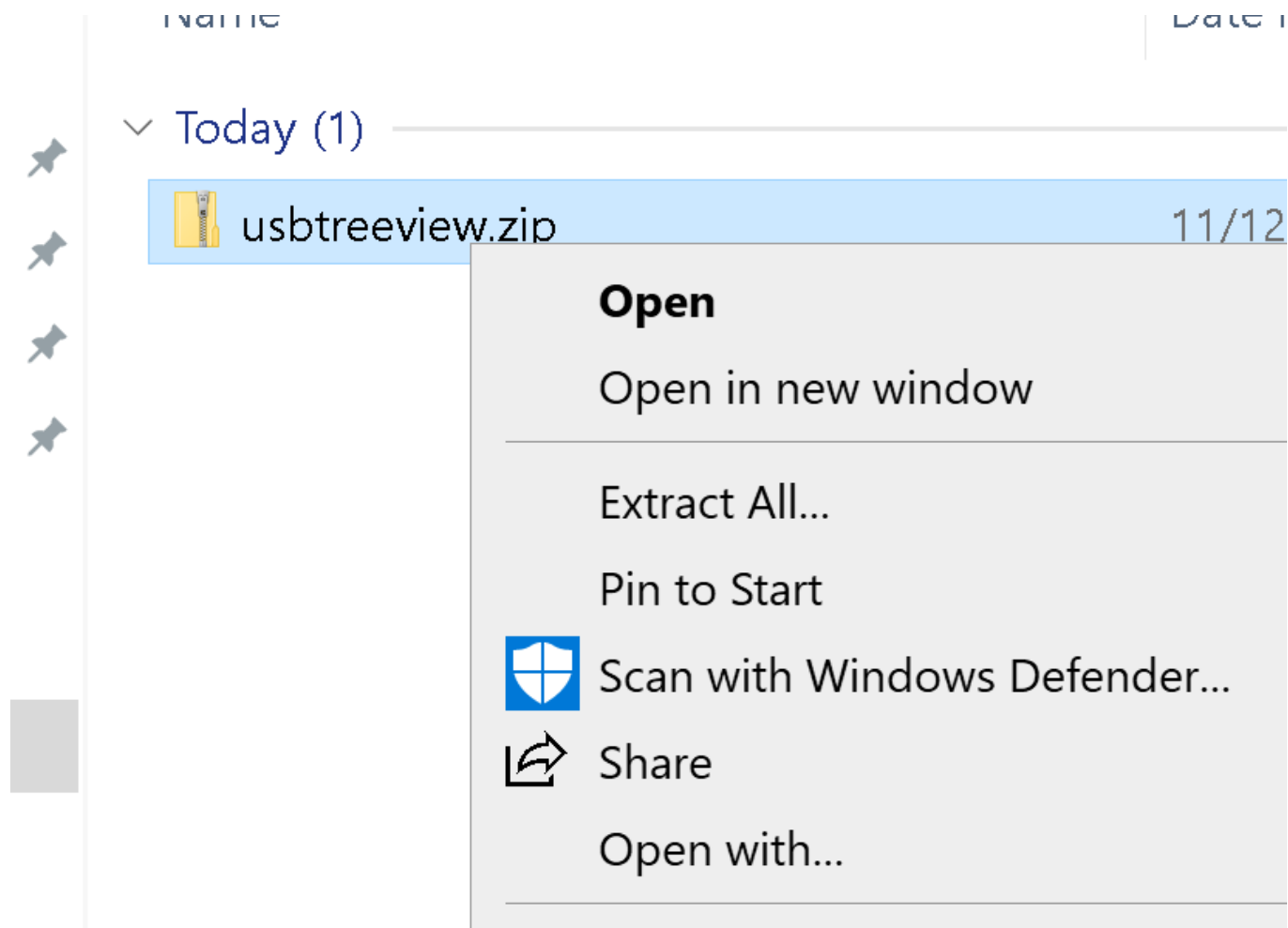


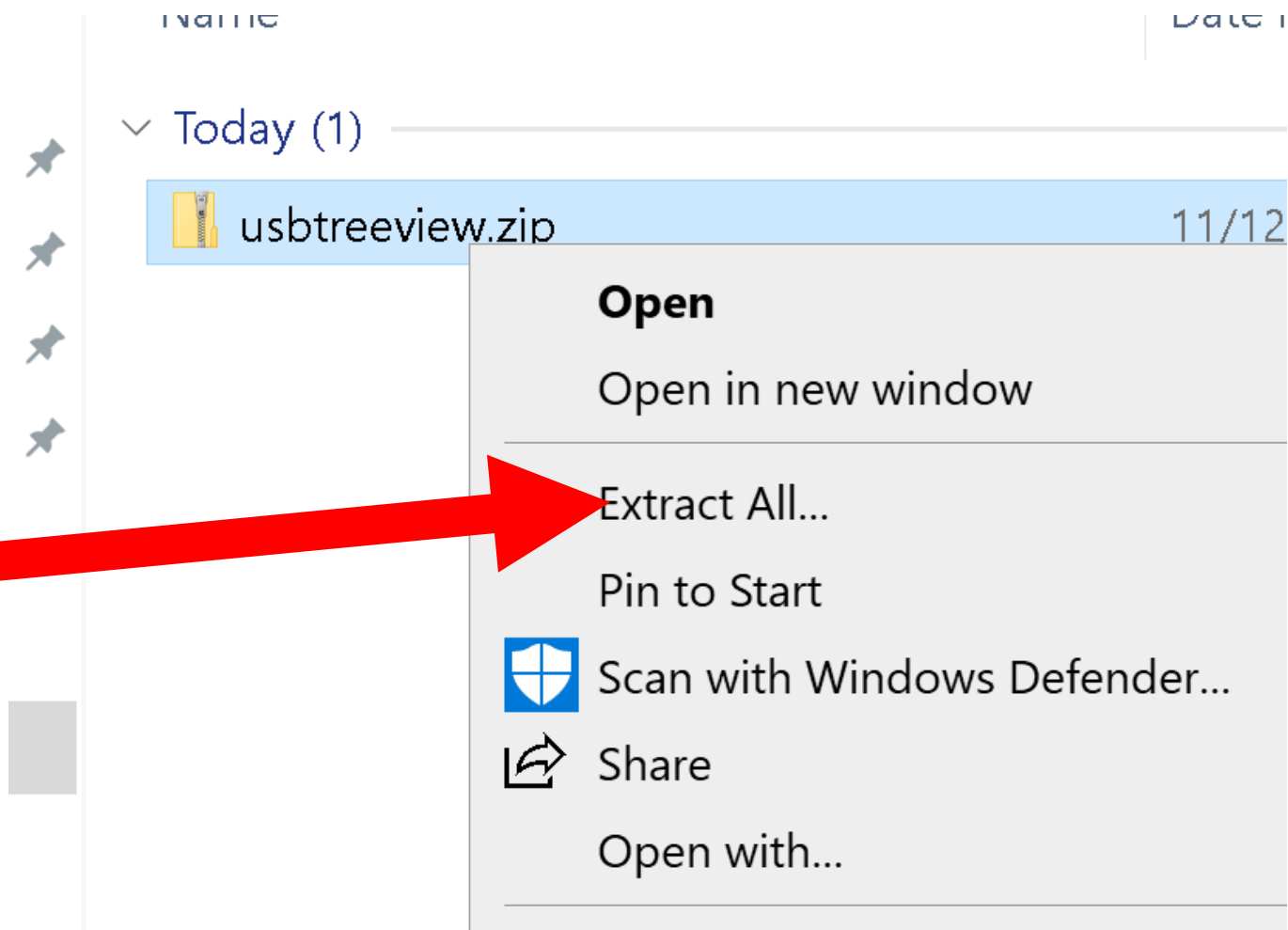
usbtreeview.zip













Extract Compressed (Zipped) Folders

## Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\testuser\Downloads\usbtreview

Browse...



Show extracted files when complete

Extract

Cancel



Extract Compressed (Zipped) Folders

## Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\testuser\Downloads\usbtreview

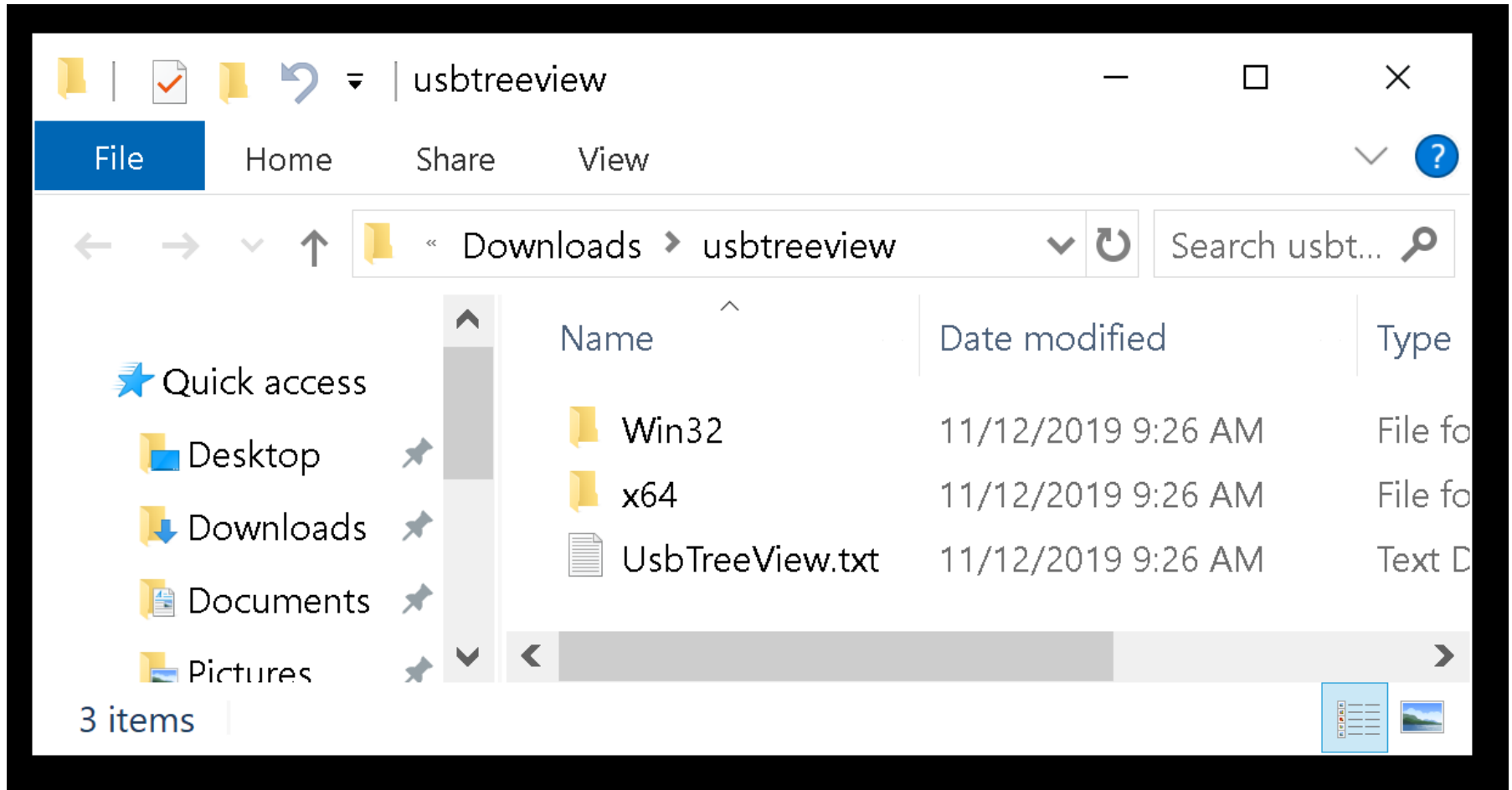
Browse...



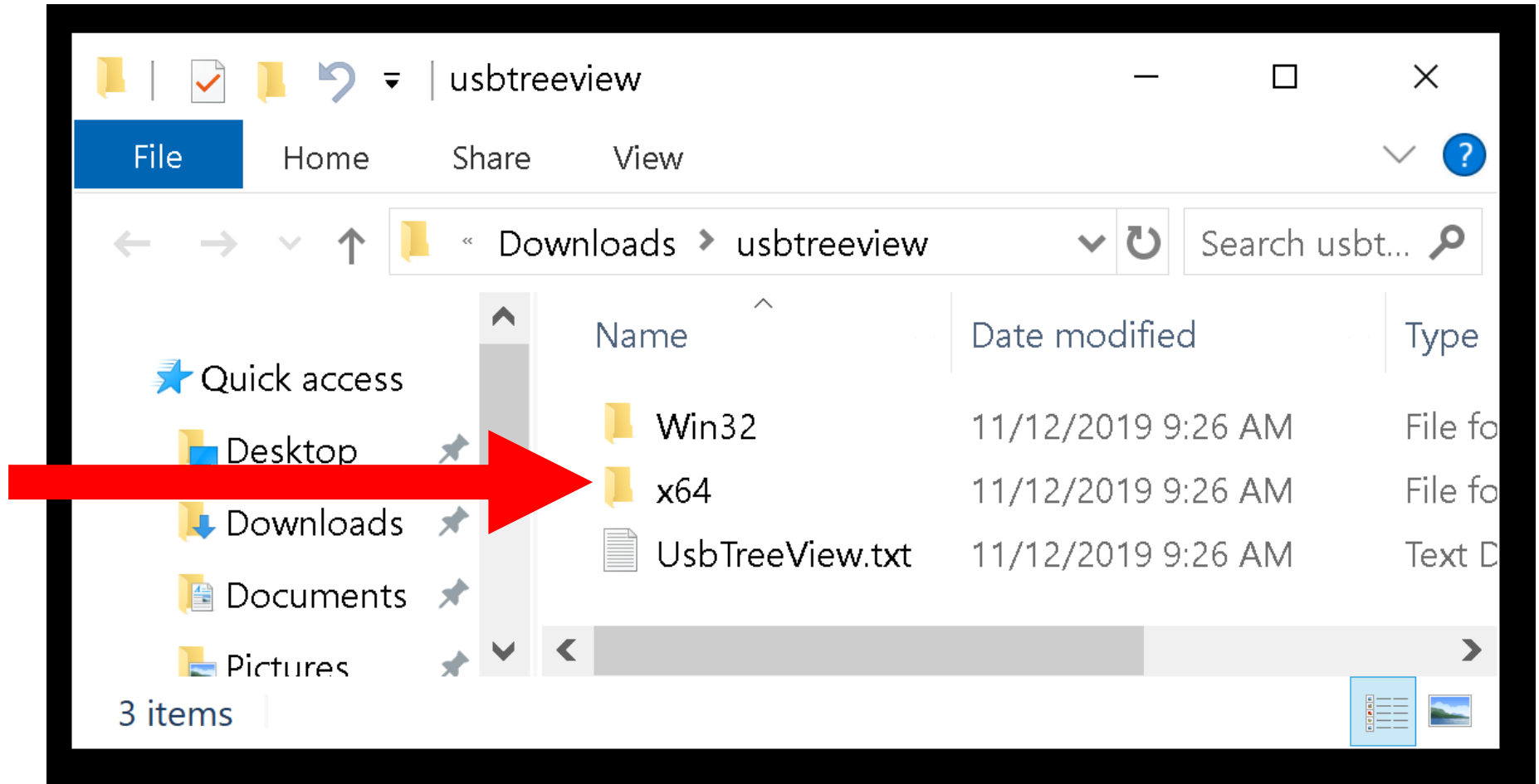
Show extracted files when complete

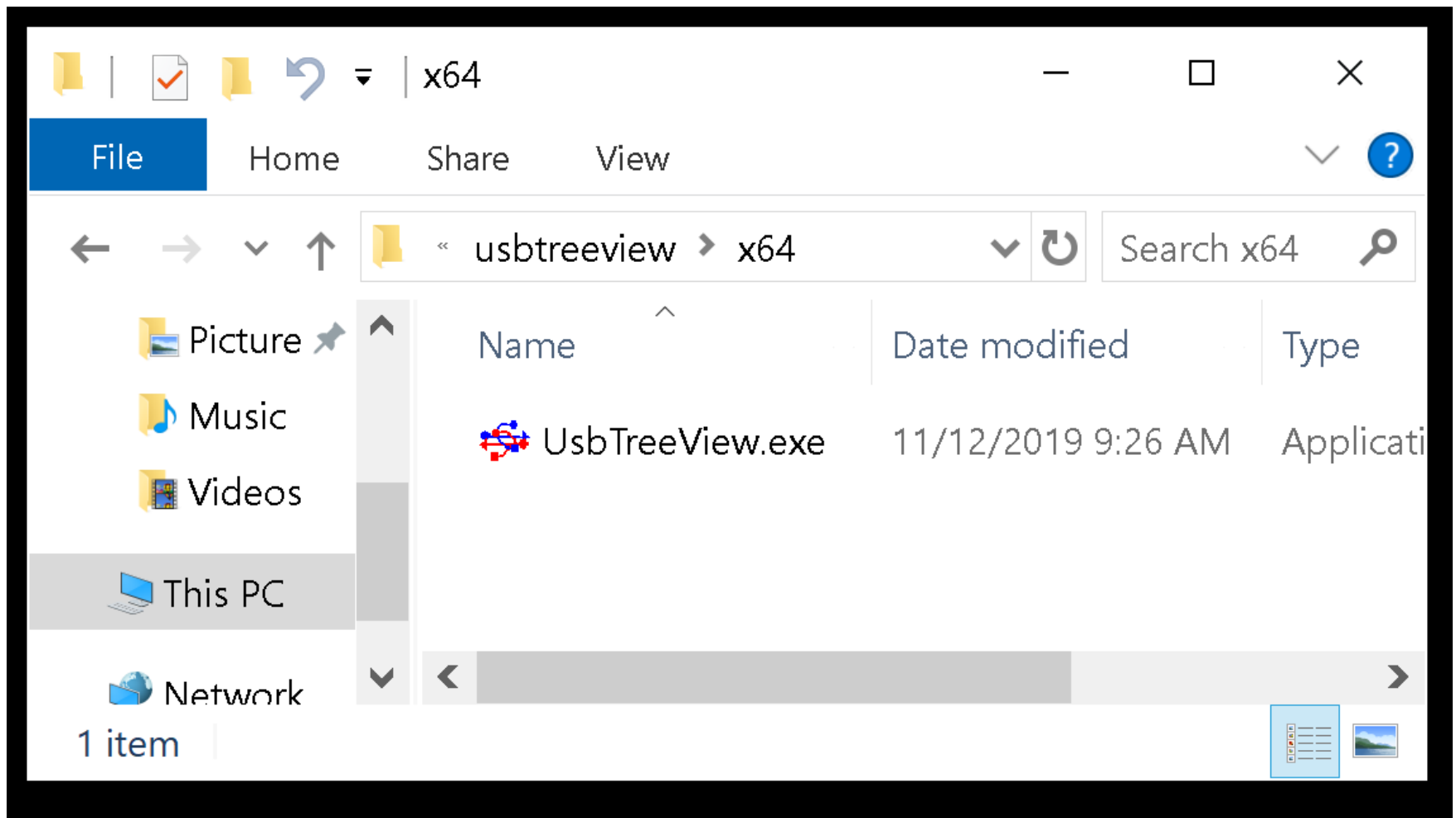
Extract

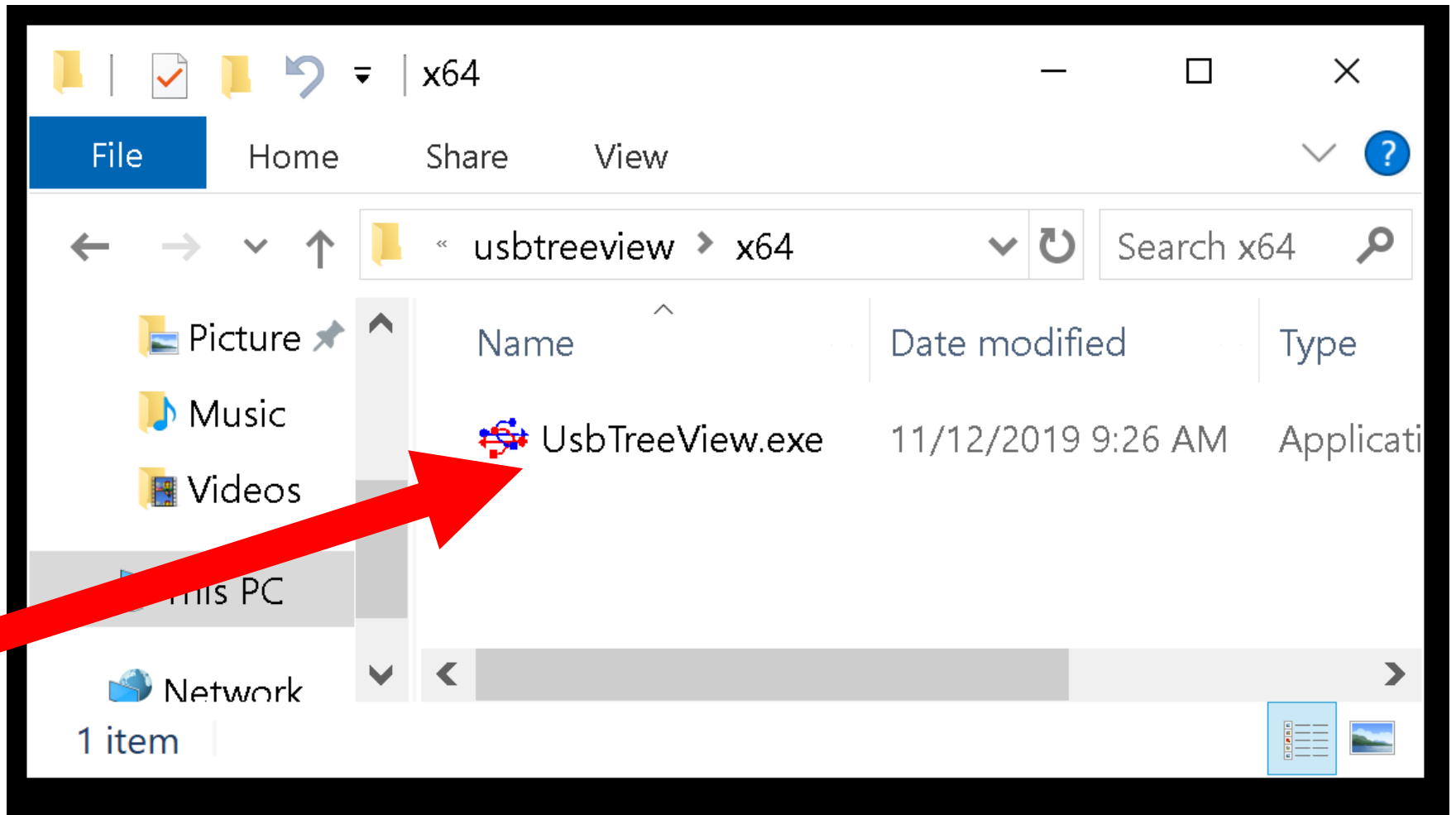
Cancel











# Windows protected your PC

Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

[More info](#)

**Don't run**

# Windows protected your PC

Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

[More info](#)

**Don't run**

# Windows protected your PC



Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: UsbTreeView.exe

Publisher: Unknown publisher

**Run anyway**

**Don't run**

# Windows protected your PC



Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: UsbTreeView.exe

Publisher: Unknown publisher

**Run anyway**

**Don't run**



USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: .....

Others: .....

Search:

Hits: 0 / 0

My Computer

ASMedia USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)

ROOT USB Root Hub (USB 3.0)

Intel(R) USB 3.0 eXtensible Host Controller - 1.0 (Microsoft)

ROOT USB Root Hub (USB 3.0)

[Port1]

[Port2]

HUB [Port3]: Generic USB 2.0 Hub

[Port1]

[Port2]: USB Composite Device - 2x HID

[Port3]

[Port4]

[Port4]

HUB [Port5]: Generic USB 2.1 Hub

HUB [Port1]: Generic USB 2.0 Hub

HUB [Port2]: Generic USB 2.0 Hub

HUB [Port3]: Generic USB 2.0 Hub

[Port1]

[Port2]: USB Composite Device - Keyboard, 2x HID

[Port3]

[Port4]

HUB [Port4]: Generic USB 2.0 Hub

[Port6]

[Port7]

[Port8]

HUB [Port9]: Generic USB 2.1 Hub

HUB [Port11]: Generic USB 2.1 Hub

===== My Computer =====

Operating System : Windows 10 Pro: NT10.0 Build 18362.449 Ve

Computer Name : DESKTOP-TNM2QKD

Admin Privileges : no

UsbTreeView Version : 3.3.6.0 (x64)

USB Host Controllers : 3

USB Root Hubs : 3

USB Standard Hubs : 11

USB Peripheral Devices : 8

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

EnumTimes Devices: 175 ms Volumes: 3 ms USB: 41 ms

136



USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: Others: Search: Hits: 0 / 0

My Computer

- ASMedia USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)
  - USB Root Hub (USB 3.0)
- Intel(R) USB 3.0 eXtensible Host Controller - 1.0 (Microsoft)
  - USB Root Hub (USB 3.0)
    - [Port1]
    - [Port2]
    - [Port3]: Generic USB 2.0 Hub
      - [Port1]
      - [Port2]: USB Composite Device - 2x HID
        - [Port3]
        - [Port4]
      - [Port4]
    - [Port5]: Generic USB 2.1 Hub
      - [Port1]: Generic USB 2.0 Hub
      - [Port2]: Generic USB 2.0 Hub
      - [Port3]: Generic USB 2.0 Hub
        - [Port1]
        - [Port2]: USB Composite Device - Keyboard, 2x HID
          - [Port3]
          - [Port4]
        - [Port4]: Generic USB 2.0 Hub
      - [Port6]
      - [Port7]
      - [Port8]
      - [Port9]: Generic USB 2.1 Hub
        - [Port11]: Generic USB 2.1 Hub

===== My Computer =====  
Operating System : Windows 10 Pro: NT10.0 Build 18362.449 Ve  
Computer Name : DESKTOP-TNM2QKD  
Admin Privileges : no  
  
UsbTreeView Version : 3.3.6.0 (x64)  
  
USB Host Controllers : 3  
USB Root Hubs : 3  
USB Standard Hubs : 11  
USB Peripheral Devices : 8

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

EnumTimes Devices: 175 ms Volumes: 3 ms USB: 41 ms

137

USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: ..... Others: ..... Search: Hits: 0 / 0

[Port2] : USB Input Device - Mouse

[Port3]

[Port4]

[Port10] : USB Composite Device - HP LaserJet Pro M402-M403 n-dne F

[Port11]

[Port12]

[Port13] : Intel(R) Wireless Bluetooth(R)

[Port14]

[Port15]

[Port16]

[Port17]

[Port18]

[Port19]

[Port20] : ASIX AX88179 USB 3.0 to Gigabit Ethernet Adapter #3

[Port21] : Generic SuperSpeed USB Hub

[Port22]

[Port23]

[Port24]

[Port25]

[Port26]

Intel(R) USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)

USB Root Hub (USB 3.0)

[Port1]

[Port2]

[Port3]

[Port4] : USB Attached SCSI (UAS) Mass Storage Device - L:\

===== My Computer =====

Operating System : Windows 10 Pro: NT10.0 Build 18362.449 Version 19

Computer Name : DESKTOP-TNM2QKD

Admin Privileges : no

UsbTreeView Version : 3.3.6.0 (x64)

USB Host Controllers : 3

USB Root Hubs : 3

USB Standard Hubs : 11

USB Peripheral Devices : 8

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: ..... Others: ..... Search: Hits: 0 / 0

===== My Computer =====

Operating System : Windows 10 Pro: NT10.0 Build 18362.449 Version 19  
Computer Name : DESKTOP-TNM2QKD  
Admin Privileges : no

UsbTreeView Version : 3.3.6.0 (x64)

USB Host Controllers : 3  
USB Root Hubs : 3  
USB Standard Hubs : 11  
USB Peripheral Devices : 8

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

The screenshot displays the USB Device Tree Viewer V3.3.6 application. The left pane shows a hierarchical tree of USB devices. At the top, there are three ports labeled [Port2], [Port3], and [Port4], with [Port2] identified as a 'USB Input Device - Mouse'. Below these are ports [Port10] through [Port26]. [Port10] is a 'USB Composite Device - HP LaserJet Pro M402-M403 n-dne F'. [Port13] is an 'Intel(R) Wireless Bluetooth(R)'. [Port20] is an 'ASUS X88179 USB 3.0 to Gigabit Ethernet Adapter #3'. [Port21] is a 'Generic SuperSpeed USB Hub'. Below these is an 'Intel(R) USB 3.1 extensible Host Controller - 1.10 (Microsoft)' which contains a 'USB Root Hub'. This root hub has four ports: [Port1], [Port2], [Port3], and [Port4]. [Port4] is a 'USB Attached SCSI (UAS) Mass Storage Device - L:\'. A large red arrow points from the top of the tree down to the 'USB Root Hub' under the Intel USB 3.1 controller. The right pane displays system information under the heading '===== My Computer =====', including the operating system (Windows 10 Pro), computer name (DESKTOP-TNM2QKD), admin privileges (no), and the version of UsbTreeView (3.3.6.0 x64). It also lists counts for USB components: 3 Host Controllers, 3 Root Hubs, 11 Standard Hubs, and 8 Peripheral Devices. A status bar at the bottom of the window confirms these counts: 'Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8'.

USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: ..... Others: ..... Search: Hits: 0 / 0

[Port2] : USB Input Device - Mouse

[Port3]

[Port4]

[Port10] : USB Composite Device - HP LaserJet Pro M402-M403 n-dne F

[Port11]

[Port12]

[Port13] : Intel(R) Wireless Bluetooth(R)

[Port14]

[Port15]

[Port16]

[Port17]

[Port18]

[Port19]

[Port20] : ASIX AX88179 USB 3.0 to Gigabit Ethernet Adapter #3

[Port21] : Generic SuperSpeed USB Hub

[Port22]

[Port23]

[Port24]

[Port25]

[Port26]

Intel(R) USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)

USB Root Hub (USB 3.0)

[Port1]

[Port2]

[Port3]

[Port4] : USB Attached SCSI (UAS) Mass Storage Device - L:\

===== USB Port4 =====

Connection Status : 0x01 (Device is connected)

Port Chain : 3-4

Properties : 0x03

IsUserConnectable : yes

PortIsDebugCapable : yes

PortHasMultiCompanions : no

PortConnectorIsTypeC : no

ConnectionIndex : 4

CompanionIndex : 0

CompanionHubSymLnk : USB#ROOT\_HUB30#7&10fab70&0#{f18a0e88-c30c-

CompanionPortNumber : 2

===== USB Device =====

+++++++ Device Information ++++++

Device Description : USB Attached SCSI (UAS) Mass Storage Device

Device Path : \\?\usb#vid\_14b0&pid\_0200#msft3000000000000005

Device ID : USB\VID\_14B0&PID\_0200\MSFT300000000000000598

Hardware IDs : USB\VID\_14B0&PID\_0200&REV\_0100 USB\VID\_14B0&F

Driver KeyName : {4d36e97b-e325-11ce-bfcl-08002be10318}\0002 (

Driver : \SystemRoot\System32\drivers\uaspstor.sys (Ve

Driver Inf : C:\WINDOWS\inf\uaspstor.inf

Legacy BusType : PNPBus

Class : SCSIAdapter

Class GUID : {4d36e97b-e325-11ce-bfcl-08002be10318} (GUID\_

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: ..... Others: ..... Search: Hits: 0 / 0

[Port2] : USB Input Device - Mouse  
 [Port3]  
 [Port4]  
 [Port10] : USB Composite Device - HP LaserJet Pro M402-M403 n-dne F  
 [Port11]  
 [Port12]  
 [Port13] : Intel(R) Wireless Bluetooth(R)  
 [Port14]  
 [Port15]  
 [Port16]  
 [Port17]  
 [Port18]  
 [Port19]  
 [Port20] : ASIX AX88179 USB 3.0 to Gigabit Ethernet Adapter #3  
 [Port21] : Generic SuperSpeed USB Hub  
 [Port22]  
 [Port23]  
 [Port24]  
 [Port25]  
 [Port26]  
 Intel(R) USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)  
 USB Root Hub (USB 3.0)  
 [Port1]  
 [Port2]  
 [Port3]  
 [Port4] : USB Attached SCSI (UAS) Mass Storage Device - L:\

===== USB Port4 =====  
 Connection Status : 0x01 (Device is connected)  
 Port Chain : 3-4  
 Properties : 0x03  
 IsUserConnectable : yes  
 PortIsDebugCapable : yes  
 PortHasMultiCompanions : no  
 PortConnectorIsTypeC : no  
 ConnectionIndex : 4  
 CompanionIndex : 0  
 CompanionHubSymLnk : USB#ROOT\_HUB30#7&10fab70&0&0#{f18a0e88-c30c-  
 CompanionPortNumber : 2  
 ===== USB Device =====  
 ++++++ Device Information ++++++  
 Device Description : USB Attached SCSI (UAS) Mass Storage Device  
 Device Path : \\?\usb#vid\_14b0&pid\_0200#msft3000000000000005  
 Device ID : USB\VID\_14B0&PID\_0200\MSFT300000000000000598  
 Hardware IDs : USB\VID\_14B0&PID\_0200&REV\_0100 USB\VID\_14B0&  
 Driver KeyName : {4d36e97b-e325-11ce-bfcl-08002be10318}\0002  
 Driver : \SystemRoot\System32\drivers\uaspstor.sys (Ve  
 Driver Inf : C:\WINDOWS\inf\uaspstor.inf  
 Legacy BusType : PNPBus  
 Class : SCSIAdapter  
 Class GUID : {4d36e97b-e325-11ce-bfcl-08002be10318} (GUID\_

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

USB Device Tree Viewer V3.3.6

File Edit Options Help

Drives: ..... Others: ..... Search: Hits: 0/0

[Port2] : USB Input Device - Mouse  
 [Port3]  
 [Port4]  
 [Port10] : USB Composite Device - HP LaserJet Pro M402-M403 n-dne F  
 [Port11]  
 [Port12]  
 [Port13] : Intel(R) Wireless Bluetooth(R)  
 [Port14]  
 [Port15]  
 [Port16]  
 [Port17]  
 [Port18]  
 [Port19]  
 [Port20] : ASIX AX88179 USB 3.0 to Gigabit Ethernet Adapter #3  
 [Port21] : Generic SuperSpeed USB Hub  
 [Port22]  
 [Port23]  
 [Port24]  
 [Port25]  
 [Port26]  
 Intel(R) USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)  
 USB Root Hub (USB 3.0)  
 [Port1]  
 [Port2]  
 [Port3]  
 [Port4] : USB Attached SCSI (UAS) Mass Storage Device - L:\

Pipe[3]  
 Data (HexDump)  
 : EndpointID=4 Direction=OUT ScheduleOffset=C  
 : 04 00 00 00 12 01 10 03 00 00 00 09 B0 14 00  
 : 00 01 02 03 01 01 01 02 00 01 00 04 00 00 00  
 : 00 00 00 07 05 81 02 00 04 00 00 00 00 00 07  
 : 02 02 00 04 00 00 00 00 00 07 05 83 02 00 04  
 : 00 00 00 00 07 05 04 02 00 04 00 00 00 00 00

Connection Information V2  
 Connection Index : 0x04 (4)  
 Length : 0x10 (16 bytes)  
 SupportedUsbProtocols : 0x04  
 Ush110 : 0 (no)  
 Ush200 : 0 (no)  
 Ush300 : 1 (yes)  
 ReservedMBZ : 0x00  
 Flags : 0x0F  
 DevIsOpAtSsOrHigher : 1 (Is operating at SuperSpeed or higher)  
 DevIsSsCapOrHigher : 1 (Is SuperSpeed capable or higher)  
 DevIsOpAtSsPlusOrHigher : 1 (Is operating at SuperSpeedPlus or higher)  
 DevIsSsPlusCapOrHigher : 1 (Is SuperSpeedPlus capable or higher)  
 ReservedMBZ : 0x00  
 Data (HexDump) : 04 00 00 00 10 00 00 00 04 00 00 00 0F 00 00

Device Descriptor  
 bLength : 0x12 (18 bytes)  
 bDescriptorType : 0x01 (Device Descriptor)  
 bcdUSB : 0x310 (USB Version 3.10)  
 bDeviceClass : 0x00 (defined by the interface descriptors)

Host Controllers: 3 Root Hubs: 3 Standard Hubs: 11 Peripheral Devices: 8

```

----- Connection Information V2 -----
Connection Index      : 0x04 (4)
Length                : 0x10 (16 bytes)
SupportedUsbProtocols : 0x04
  Usb110              : 0 (no)
  Usb200              : 0 (no)
  Usb300              : 1 (yes)
  ReservedMBZ         : 0x00
Flags                 : 0x0F
  DevIsOpAtSsOrHigher : 1 (Is operating at SuperSpeed or higher)
  DevIsSsCapOrHigher  : 1 (Is SuperSpeed capable or higher)
  DevIsOpAtSsPlusOrHigher : 1 (Is operating at SuperSpeedPlus or higher)
  DevIsSsPlusCapOrHigher : 1 (Is SuperSpeedPlus capable or higher)
  ReservedMBZ         : 0x00
Data (HexDump)        : 04 00 00 00 10 00 00 00 04 00 00 00 0F 00 00

```

```

Page 1
-----
DevIsOpAtSs0rHigher      : 1 (Is operating at SuperSpeed or higher)
DevIsSsCap0rHigher       : 1 (Is SuperSpeed capable or higher)
DevIsOpAtSsPlus0rHigher  : 1 (Is operating at SuperSpeedPlus or higher)
DevIsSsPlusCap0rHigher   : 1 (Is SuperSpeedPlus capable or higher)

```



```
1 (Is operating at SuperSpeed or higher)
1 (Is SuperSpeed capable or higher)
1 (Is operating at SuperSpeedPlus or higher)
1 (Is SuperSpeedPlus capable or higher)
```

# "WINDOWS SECURITY"

- "Windows Security" is bundled with the "Windows.." operating system
- It is automatically activated for real-time antivirus/antimalware scanning if you do not install another antivirus/antimalware "desktop app" that has real-time, always-on scanning

# "WINDOWS SECURITY" (continued)

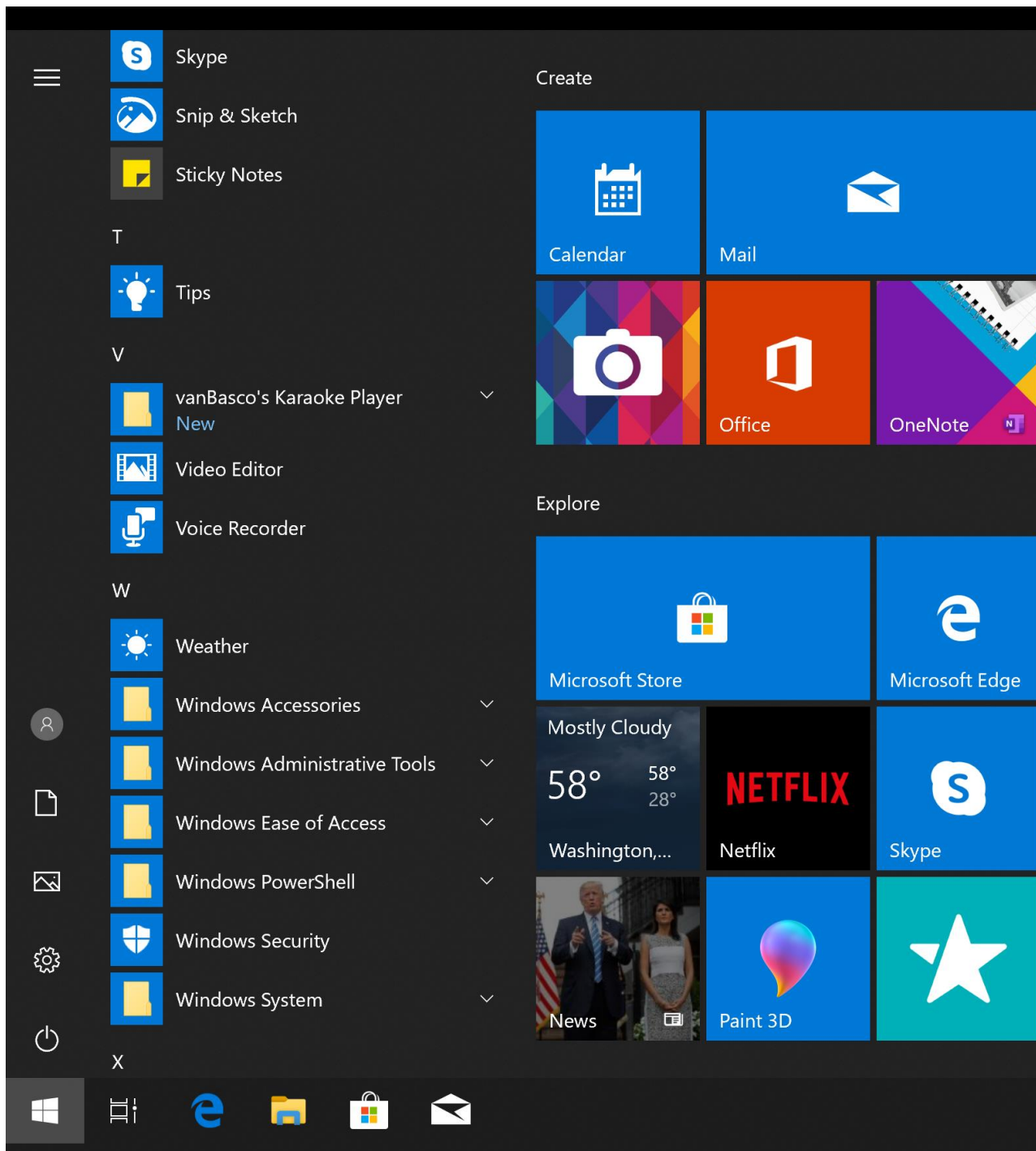
- When you install a non-Microsoft antivirus/antimalware "desktop app" that has real-time scanning, "Windows Security" 's real-time always-on scanning is disabled

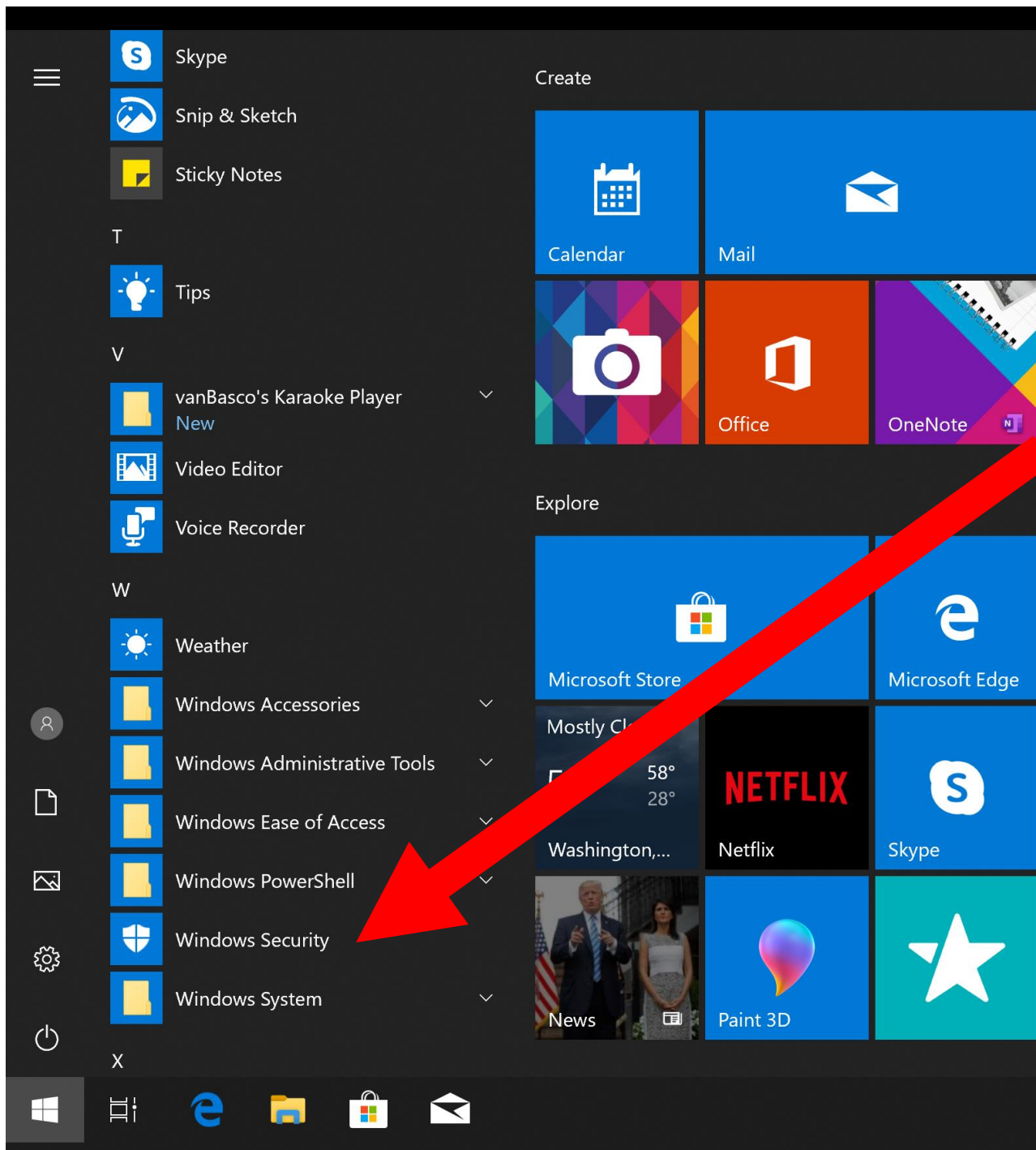
# "WINDOWS SECURITY" (continued)

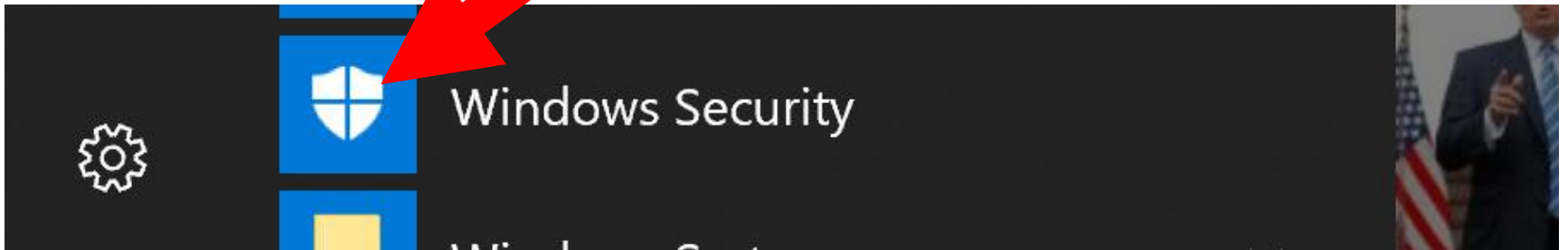
- "Windows Security" is called just that in the "Start Menu" and "Settings" screens of "Windows 10"
- "Windows Security" is called "Windows Defender" in "Windows 8" and "Windows 7"

# "WINDOWS SECURITY" (continued)

- "Windows Security" can be accessed from either the "Start Menu" or the "Settings" screens:











## Security at a glance

See what's happening with the security and health of your device and take any actions needed.



**Virus & threat protection**  
No action needed.



**Account protection**  
No action needed.



**Firewall & network protection**  
No action needed.



**App & browser control**  
No action needed.



**Device security**  
View status and manage hardware security features



**Device performance & health**  
No action needed.



Virus & threat protection  
No action needed.



Account protection  
No action needed.



Firewall & network  
protection  
No action needed.



App & browser control  
No action needed.



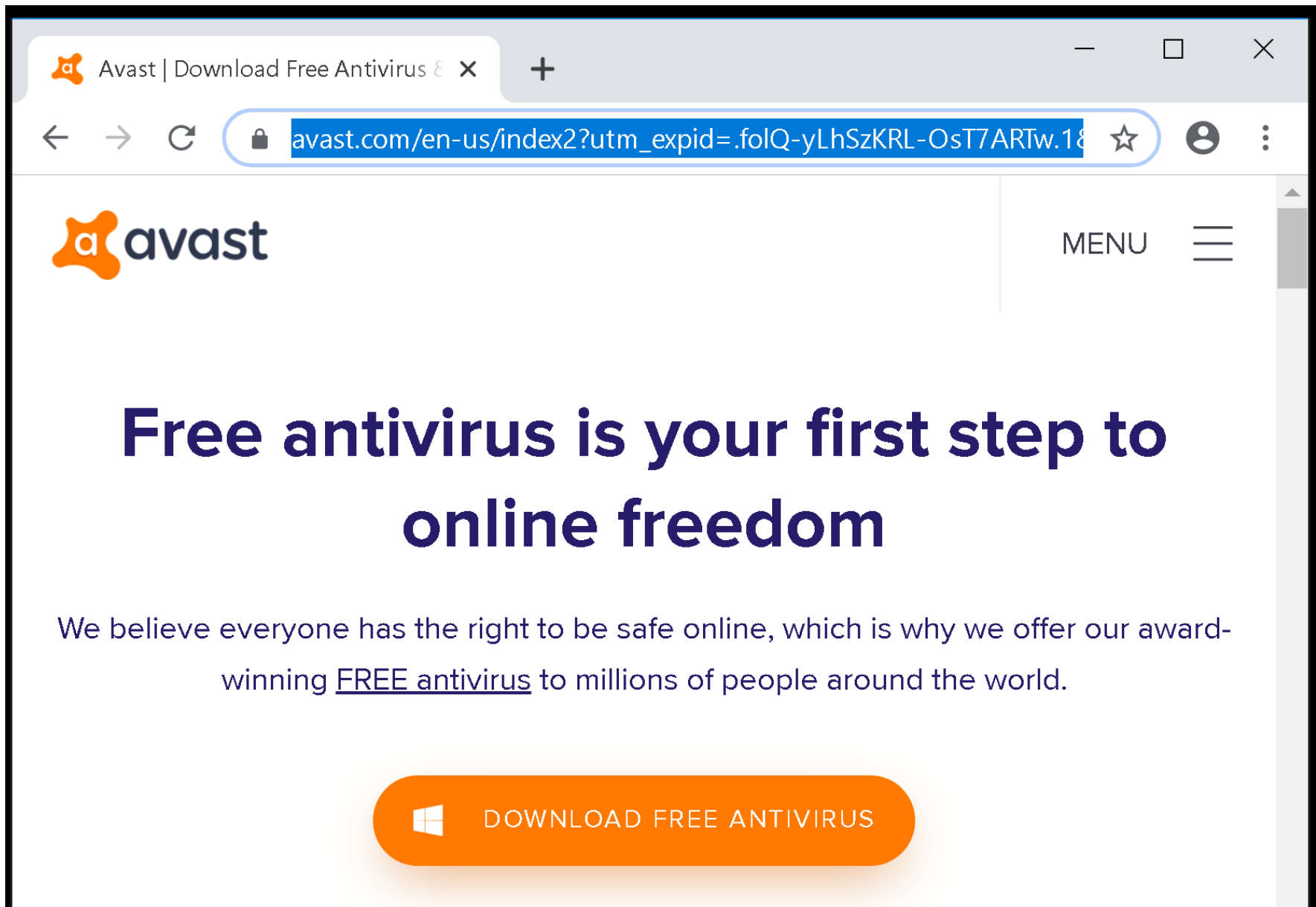
Device security  
View status and manage  
hardware security features



Device performance &  
health  
No action needed.

# "AVAST" ANTIVIRUS/ANTIMALWARE

- "Avast" is a "desktop app" that has a free version that you can get from [https://www.avast.com/en-us/index2?utm\\_expid=.folQ-yLhSzKRL-OsT7ARTw.1&utm\\_referrer=#pc](https://www.avast.com/en-us/index2?utm_expid=.folQ-yLhSzKRL-OsT7ARTw.1&utm_referrer=#pc)



# "AVAST" ANTIVIRUS/ANTIMALWARE (continued)

- <https://en.wikipedia.org/wiki/Avast>
- "Avast" is a "desktop app" that has a free version that you can get from [https://www.avast.com/en-us/index2?utm\\_expid=.folQ-yLhSzKRL-OsT7ARTw.1&utm\\_referrer=#pc](https://www.avast.com/en-us/index2?utm_expid=.folQ-yLhSzKRL-OsT7ARTw.1&utm_referrer=#pc)

# "AVAST" ANTIVIRUS/ANTIMALWARE (customize)

- Always do a "customize" installation to carefully select the options that the "Avast.." installation wizard puts into your computer:

You probably do not want such exotic add-ons as their specialized "Web browser" and some of their more aggressive malware blocking tools

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS"

- "Revo Uninstaller Portable" does a much better job of removing "desktop apps" compared to "Programs and Features" in the Windows.. "Control Panel"

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- "Revo Uninstaller Portable" does a much better job of removing "UWP apps" compared to "Apps" in "Settings" in "Windows.." OR the "Uninstall" menu option in some of the "UWP apps" listed in the "Start Menu" of "Windows 10.."



# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

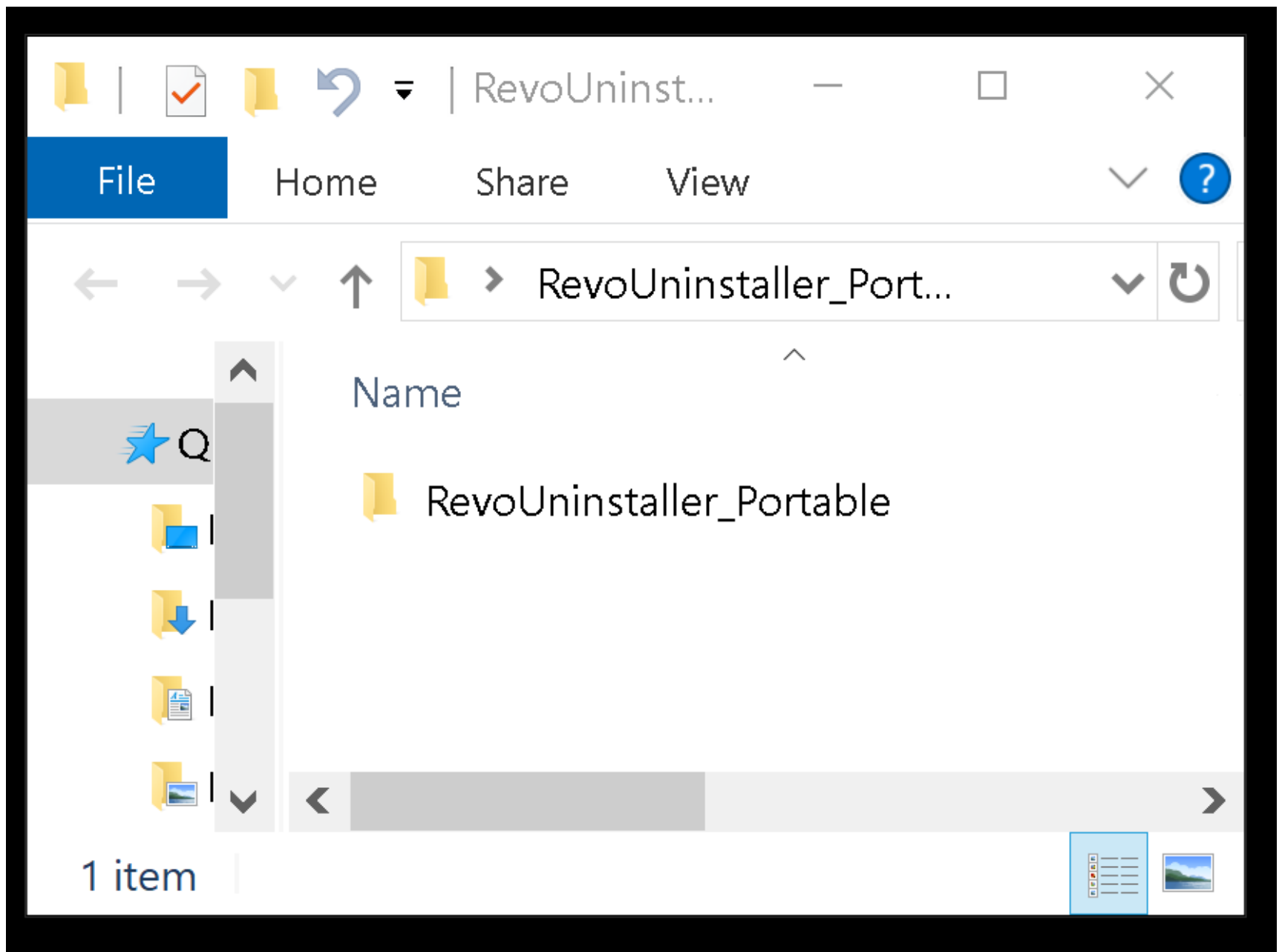
- When you start up "Revo Uninstaller Portable", it defaults to showing you the "desktop apps" that it can remove:

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- After you extract the downloaded .  
RevoUninstaller\_Portable.zip  
file  
and you right-click on it  
and you click on "Extract All...", you  
end up with a  
"RevoUninstaller\_Portable  
folder:



RevoUninstall  
er\_Portable



# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- After you double-click on the inner "RevoUninstaller\_Portable" folder, you will see all the portable files and folders as follows:

↑ > RevoUninstaller\_Portable > RevoUninstaller\_Portable >

Name	Date modified
lang	6/25/2019 6:24 PM
x64	6/25/2019 6:24 PM
x86	11/12/2019 2:33 AM
ctrlbars.dat	11/12/2019 4:10 AM
LicenseAgreement.txt	6/25/2019 6:23 PM
Revo Uninstaller Help.pdf	6/25/2019 6:23 PM
RevoUPort.exe	6/25/2019 6:23 PM
settings.ini	11/12/2019 4:10 AM
un_report.dat	11/12/2019 4:10 AM

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- Double-click on  
RevoUPort.exe  
to start up the app:

↑ > RevoUninstaller\_Portable > RevoUninstaller\_Portable >

Name	Date modified
lang	6/25/2019 6:24 PM
x64	6/25/2019 6:24 PM
x86	11/12/2019 2:33 AM
ctrlbars.dat	11/12/2019 4:10 AM
LicenseAgreement.txt	6/25/2019 6:23 PM
Revo Uninstaller Help.pdf	6/25/2019 6:23 PM
RevoUPort.exe	6/25/2019 6:23 PM
settings.ini	11/12/2019 4:10 AM
un_report.dat	11/12/2019 4:10 AM



# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- Click on the "Yes" button of the "User Account Control" box:

User Account Control



Do you want to allow this app to make changes to your device?



Revo Uninstaller Portable

Verified publisher: VS Revo Group Ltd.

File origin: Hard drive on this computer

[Show more details](#)

Yes

No

User Account Control



Do you want to allow this app to make changes to your device?



Revo Uninstaller Portable

Verified publisher: VS Revo Group Ltd.

File origin: Hard drive on this computer

[Show more details](#)

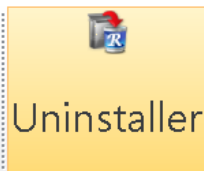
Yes

No

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- "Revo Uninstaller Portable" will now display a list of all of the "desktop apps" that it is capable of removing:

# Revo Uninstaller 2.1.0 Portable



Windows  
Apps



Tools Hunter Mode Options



Uninstall



Refresh



View



Help Upgrade to

Search

Search by:

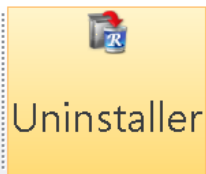
Name

Application	Size	Versi...	Type	Install Date	Company
Google Chrome	446.93 MB	0.3904	32-bit	11/11/2019	Google L...
Microsoft Visual C++ 2015-2019 Redistri	23.17 MB	20.2750	32-bit	11/5/2019	Microsof...
Microsoft Visual C++ 2015-2019 Redistri	20.16 MB	20.2750	32-bit	11/5/2019	Microsof...
Opera Stable 64.0.3417.92	381.43 MB	0.3417	64-bit	11/9/2019	Opera So...
PyKaraoke	37.53 MB		32-bit	11/11/2019	
Recuva	9.97 MB	1.53	64-bit	11/12/2019	Piriform
vanBasco's Karaoke Player	2.04 MB		32-bit	11/11/2019	
VMware Tools	90.82 MB	0.1454	64-bit	11/5/2019	VMware, ...

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- To get "Revo Uninstaller Portable" to show the "UWP apps", click on the "Windows apps" button:

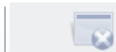
# Revo Uninstaller 2.1.0 Portable



Windows  
Apps



Tools Hunter Mode Options



Uninstall



Refresh



View



Help Upgrade to

Search

Search by:

Name

Application	Size	Versi...	Type	Install Date	Company
Google Chrome	446.93 MB	0.3904	32-bit	11/11/2019	Google L...
Microsoft Visual C++ 2019 Redistri	23.17 MB	20.2750	32-bit	11/5/2019	Microsof...
Microsoft Visual C++ 2019 Redistri	20.16 MB	20.2750	32-bit	11/5/2019	Microsof...
Opera Stable 64.0.3417.92	381.43 MB	0.3417	64-bit	11/9/2019	Opera So...
PyKaraoke	37.53 MB		32-bit	11/11/2019	
Recuva	9.97 MB	1.53	64-bit	11/12/2019	Piriform
vanBasco's Karaoke Player	2.04 MB		32-bit	11/11/2019	
VMware Tools	90.82 MB	0.1454	64-bit	11/5/2019	VMware, ...

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- "Revo Uninstaller Portable" now show the you the "UWP apps" that it is capable of removing safely:



Revo Uninstaller 2.1.0 Portable

Uninstaller

Windows Apps

Tools

Hunter Mode











Options

Uninstall

Refresh

Help

Upgrade to Pro-\$14.99

Name	Size	Install Date	Version	Publisher
 3D Viewer	71.90 MB	11/11/2019	7.1908.9012.0	Microsoft Corporation
 Alarms & Clock	7.49 MB	11/10/2019	10.1909.2812.0	Microsoft Corporation
 App Installer	3.16 MB	11/11/2019	1.0.32912.0	Microsoft Corporation
 Calculator	4.83 MB	11/11/2019	10.1908.0.0	Microsoft Corporation
 Candy Crush Friends	179.36 MB	11/11/2019	1.23.7.0	king.com
 Candy Crush Saga	263.92 MB	11/11/2019	1.1630.7.0	king.com
 Cooking Fever	268.01 MB	11/10/2019	6.0.0.3	Nordcurrent
 Feedback Hub	37.80 MB	11/11/2019	1.1903.2331.0	Microsoft Corporation
 Fitbit Coach	45.19 MB	2/16/2019	4.4.133.0	Fitbit
 Get Help	9.45 MB	11/11/2019	10.1909.22691.0	Microsoft Corporation

Description Panel

The Windows AppStore lists all installed Windows apps and lets you to uninstall any of them with a single click. One of the apps

Total Apps: 47

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- Our step-by-step instructions for obtaining and using "Revo Uninstaller Portable" are located at [http://aztcs.org/meeting\\_notes/winhardsig/uninstaller/RevoUninstallerPortable.pdf](http://aztcs.org/meeting_notes/winhardsig/uninstaller/RevoUninstallerPortable.pdf)

# "REVO UNINSTALLER PORTABLE" FOR REMOVING "DESKTOP APPS" AND "UWP APPS" (continued)

- If your computer locks up or you have a power outage while uninstalling a "desktop app" or a "UWP app", then the only way to get it totally removed is to:
  - 1) Re-install the "desktop app" and
  - 2) The use "Revo Uninstaller Portable" to remove the "desktop app"

# "BURNWARE FREE"

- Use the "Burnaware Free" "desktop app" to create an .ISO file from a CD or DVD that does not have copy protection
- You can get "Burnaware Free" at <https://www.burnaware.com/download.html>

# "BURNWARE FREE" (continued)

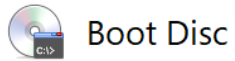
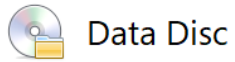
- Use the "Copy to ISO" option to copy the entire contents of a CD or DVD to an ISO file.

See

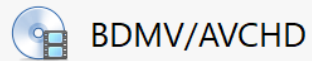
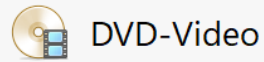
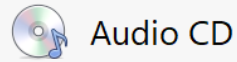
<https://www.burnaware.com/help/copy-image.html>  
for details.

File Settings View Help

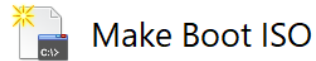
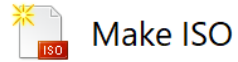
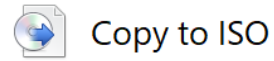
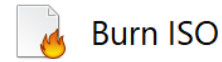
Data



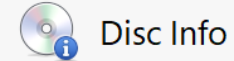
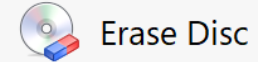
Multimedia



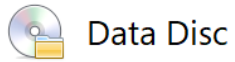
Disc Images



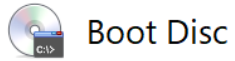
Utilities



Data



Data Disc

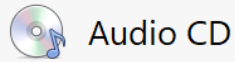


Boot Disc

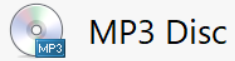


Span Disc

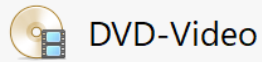
Multimedia



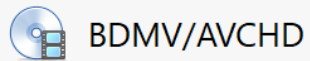
Audio CD



MP3 Disc

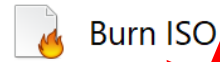


DVD-Video

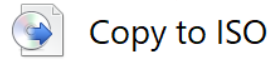


BDMV/AVCHD

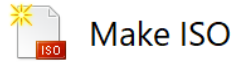
Disc Images



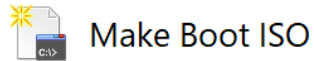
Burn ISO



Copy to ISO

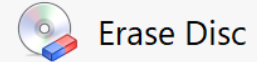


Make ISO

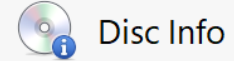


Make Boot ISO

Utilities



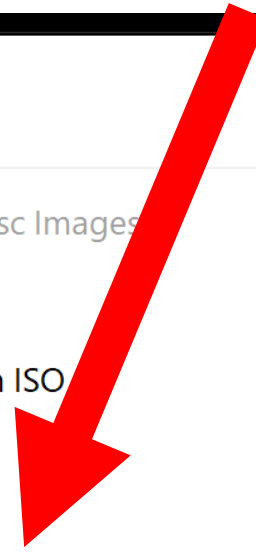
Erase Disc



Disc Info

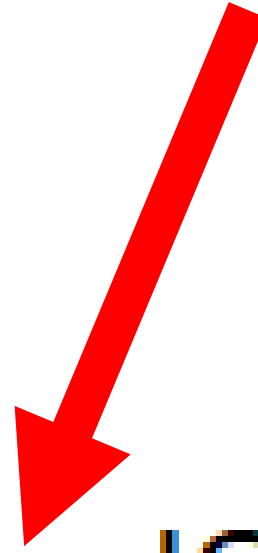


Verify Disc





Copy to ISO





# "FILE EXPLORER" TO DELETE A "PORTABLE APP"

- You cannot use "Revo Uninstaller Portable" or "Programs and Features" in the "Control Panel" to remove a "portable app":  
Just use the "Delete" button of your keyboard from inside the "Desktop" or "File Explorer".

# "MACRIUM REFLECT FREE" TO CLONE OR MAKE BACKUP IMAGES OF HARD DRIVES AND SSDs

- You can download "Macrium Reflect Free" at  
<https://www.macrium.com/reflectfree>
- For details on how to use "Macrium Reflect Free", go to  
[http://aztcs.org/meeting\\_notes/winhard/sig/software/utis/MacriumReflectFree.pdf](http://aztcs.org/meeting_notes/winhard/sig/software/utis/MacriumReflectFree.pdf)

# "CCLEANER PORTABLE" FOR REGISTRY CLEANING AND WIPING "FREE SPACE"

- You can download "Ccleaner Portable" at <https://www.ccleaner.com/ccleaner/builds>  
Be sure to pick the "Portable" version instead of the "top" version or the "slim" version.

# "CCLEANER PORTABLE" FOR REGISTRY CLEANING AND WIPING "FREE SPACE"

- When you install some of the various versions of "Ccleaner", the installation wizard attempts to also install "Avast Antivirus" so be alert and uncheck their attempt to sneak a copy of "Avaast Antivirus" into your computer

# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE

- You can download and install  
"Recuva" for free from  
<https://www.ccleaner.com/recuva>



## Recuva v1.53 Setup

By installing this product you agree to our license agreement and privacy policy.

[View license agreement](#)

[View privacy policy](#)

Install

[Customize](#)



CCleaner

[View License Agreement](#)

### Speed up and optimize your PC!

The #1 tool for protecting your privacy and making your computer faster and more secure.

- ✓ Faster Computer
- ✓ Secure Browsing
- ✓ Fix Errors & Crashes

☒ **Yes, Install CCleaner and make my computer faster**

☐ No thanks, I don't need CCleaner

# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE (continued)

- During the installation of "Recuva", it tries to get you to also install a copy of "Ccleaner", so it is best to unselect this "option":



## Recuva v1.53 Setup

By installing this product you agree to our license agreement and privacy policy.

[View license agreement](#)

[View privacy policy](#)

Install

[Customize](#)



### CCleaner

[View License Agreement](#)

### Speed up and optimize your PC!

The #1 tool for protecting your privacy and making your computer faster and more secure.

- ✓ Faster Computer
- ✓ Secure Browsing
- ✓ Fix Errors & Crashes



**Yes, Install CCleaner and make my computer faster**



No thanks, I don't need CCleaner



## Speed up and optimize your PC!

The #1 tool for protecting your privacy and making your computer faster and more secure.

- ✓ Faster Computer
  - ✓ Secure Browsing
  - ✓ Fix Errors & Crashes
- ☒ **Yes, Install CCleaner and make my computer faster**
- ☐ No thanks, I don't need CCleaner

# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE (continued)

- Click on the "Customize" link:



## Recuva v1.53 Setup

By installing this product you agree to our license agreement and privacy policy.

[View license agreement](#)

[View privacy policy](#)

Install

[Customize](#)

# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE (continued)

- Remove the checkmark from the two "..context menu.." options:



## Recuva v1.53 Setup

### Install Options

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☒ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☒ Add 'Scan for deleted files' option to Explorer context menu
- ☒ Automatically check for updates to Recuva

Install

[Back](#)

[More](#)

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☒ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☒ Add 'Scan for deleted files' option to Explorer context menu
- ☒ Automatically check for updates to Recuva

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☐ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☐ Add 'Scan for deleted files' option to Explorer context menu
- ☒ Automatically check for updates to Recuva

# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE (continued)

- Remove the checkmark for  
"Automatically check for updates to  
Recuva":



- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☐ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☐ Add 'Scan for deleted files' option to Explorer context menu
- ☒ Automatically check for updates to Recuva

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☐ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☐ Add 'Scan for deleted files' option to Explorer context menu
- ☐ Automatically check for updates to Recuva

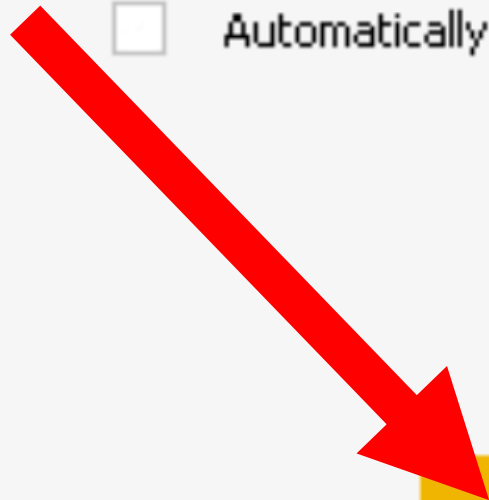
# "RECUVA" TO RECOVER "DELETED" FILES FROM "FREED UP SPACE" ON A HARD DRIVE (continued)

- Click on the "Install" button:

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☐ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☐ Add 'Scan for deleted files' option to Explorer context menu
- ☐ Automatically check for updates to Recuva

Install

- ☒ Add Desktop Shortcut
- ☒ Add Start Menu Shortcuts
- ☐ Add 'Scan for deleted files' option to Recycle Bin context menu
- ☐ Add 'Scan for deleted files' option to Explorer context menu
- ☐ Automatically check for updates to Recuva



Install

# Recuva v1.53 Setup Completed

Recuva v1.53 has been successfully installed on your computer.

Run Recuva



View release notes

# APPENDIX 1

## REFERENCES

- <https://www.techsupportalert.com/best-free-windows-apps.htm>