Sun City Computer Club

Windows SIG

February 9, 2021

Questions, Comments, Suggestions welcomed at any time

Even Now

- Audio Recording of this session
- Use the link above to access MP4 audio recording

- Audio Recording in Progress

- Topic suggestions - please

- SIG attendees are required to be members of the chartered club sponsoring that SIG.
  Sun City Community Association By-law

- Sun City WEB site changes
- Apologies for lack of zoom meeting
- Sig leader – anyone?

SIG News

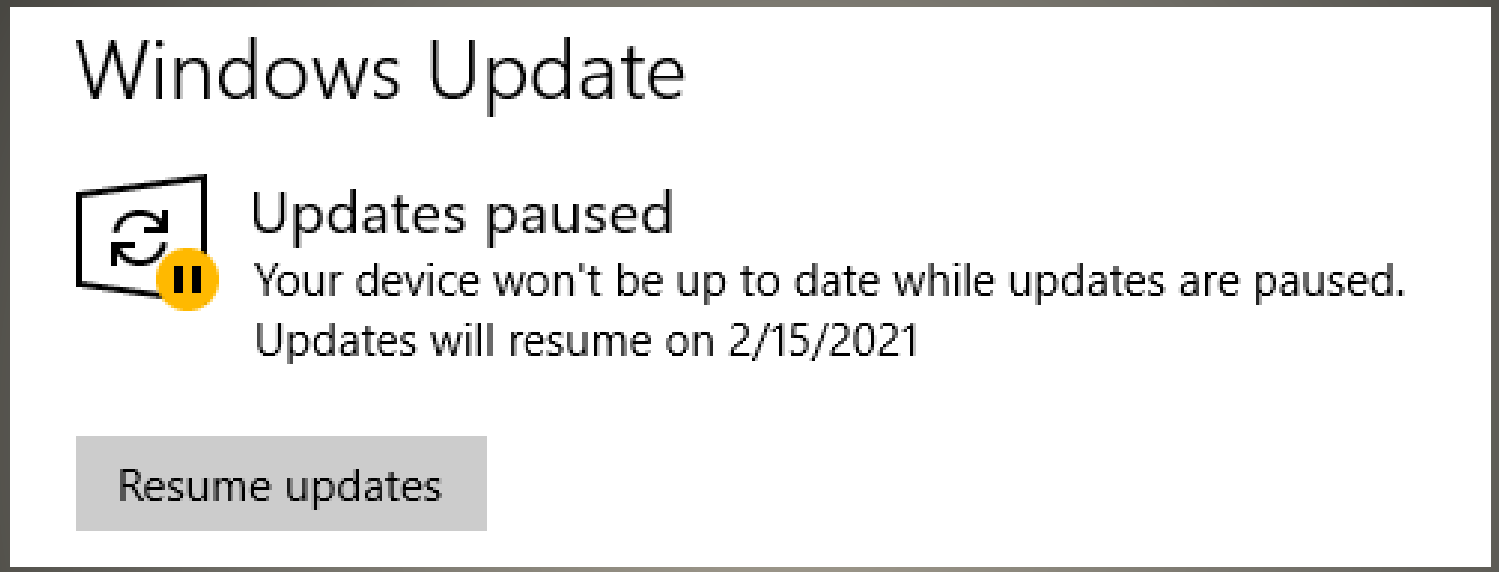
- Dale Cockle has an eMail list he sends Microsoft Windows tips, news, and information to.

  If you would like to join his list

  Send your request:

  k5jic@tstar.net
- sctxwindows.com

[Win10] Re: 210116 Windows Tips
[Win 10] Eject and Close CD/DVD Drives
Fwd: [Win10] Use SFC and DISM to Repair Windows
[Win10] Disable Edge's Default Copy/Paste Feature
[Win10] How to set up new PC
[Win10] Finally fixing Chrome's most annoying issue
[Win10] Bug using chkdsk
[Win10] Autoruns
[Win10] Group your taskbar shortcuts
[Win10] 'Rare' Windows Key Shortcuts
[Win10] File Explorer Tricks
[Win10] MS New way to upgrade
[Win10] Disable Edge's New Copy and Paste Feature
[Win10] Signing Out Instead of Restarting
[Win10] Recovery Revisited: New way to perform clean installs
[Win10 20H2] Restore Control Panel on Desktop Context Menu
[Win10] Taskbar Search
[Win10] How to Minimize the File Explorer Ribbon
[Win10] Time to restore Copy to & Move to back on your Right-click Menu
[Win10] Microsoft kicks off rollout of 20H2
[Win 10] [C4S] Office web apps in Start menu
[Win10] October 2020 Update is Coming Soon
[Win10] Accessories: What's in it for you ?
[Win10] All About Version Updates
[Win10] PC won't start after an update
[Win10] Ed Bott's 7 Favorite Features
[Win10] Ed Bott's 7 Favorite Features
[Win10] Patch Tuesday problem
[Win10] Cascading Settings Context Menu on Desktop
Fwd: [Win10] Google Maps – Big Update



Patch Tuesday Schedule B

- 56 Vulnerabilities
- 11 Critical
- 1 being exploited
- 6 previously disclosed
- Cumulative Update
  KB4601319
- .NET
  KB4601050
- Malicious Software Removal Tool
  KB890830

Windows Update Schedule B

- A few of the patches are rated more critical than Microsoft's rating
- Zerologon gets 3rd patch
- More reports of BSOD
- Takes longer to patch than most
- .NET patch might show up AFTER reboot

February Patch Tuesday

Windows Update

Updates available

Last checked: Today, 1:04 PM

Windows Malicious Software Removal Tool x64 - v5.86 (KB890830)
Status: Pending install

2021-02 Cumulative Update for .NET Framework 3.5 and 4.8 for Windows 10, version 20H2 for x64 (KB4601050)
Status: Pending install

2021-02 Cumulative Update for Windows 10 Version 20H2 for x64-based Systems (KB4601319)
Status: Downloading - 0%

2021-02 Cumulative Update for Windows 10 Version 20H2 for x64-based Systems (KB4601319)

Successfully installed on 2/9/2021

2021-02 Cumulative Update for .NET Framework 3.5 and 4.8 for Windows 10, version 20H2 for x64 (KB4601050)

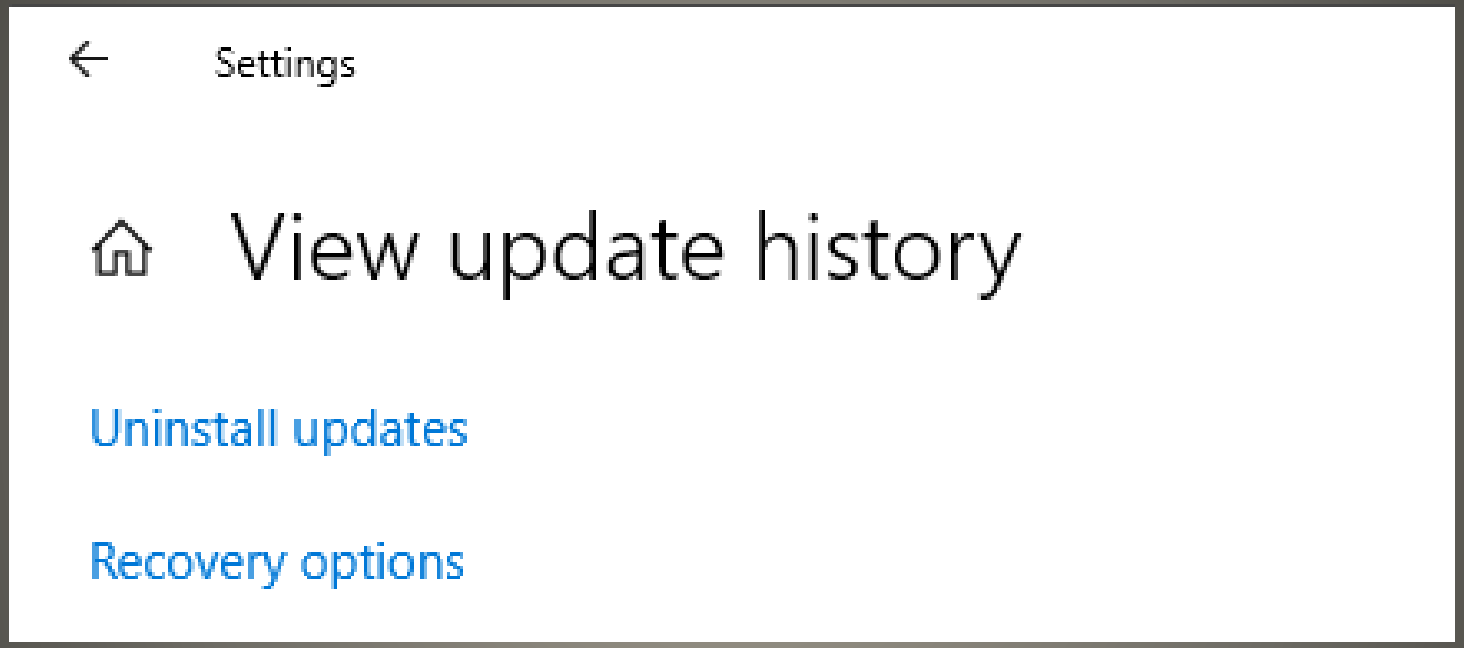
Successfully installed on 2/9/2021

Windows Malicious Software Removal Tool x64 - v5.86 (KB890830)

Successfully installed on 2/9/2021

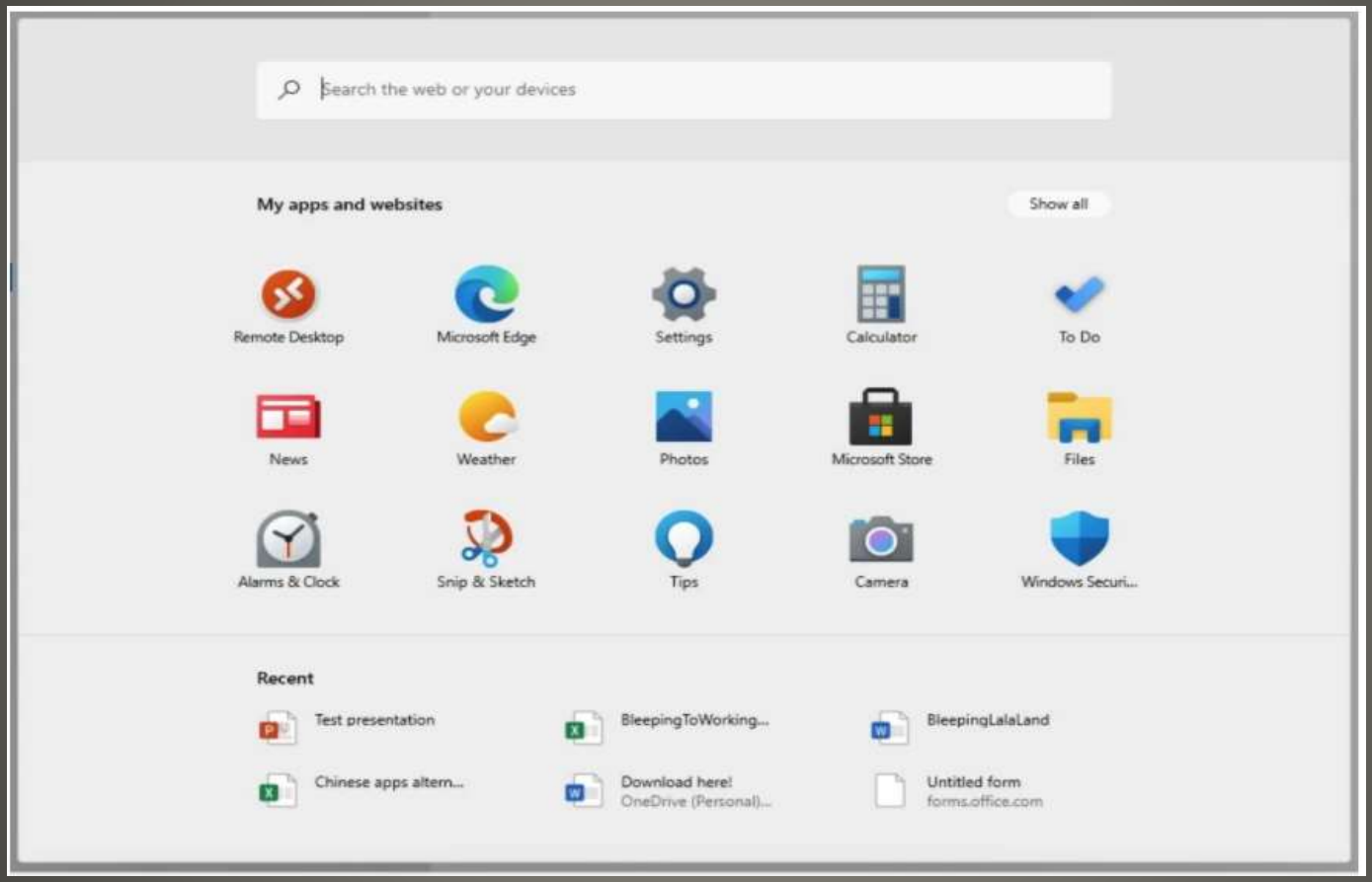
- Corrupt NTFS formatted hard drive
- One line

0-day NTFS vulnerability

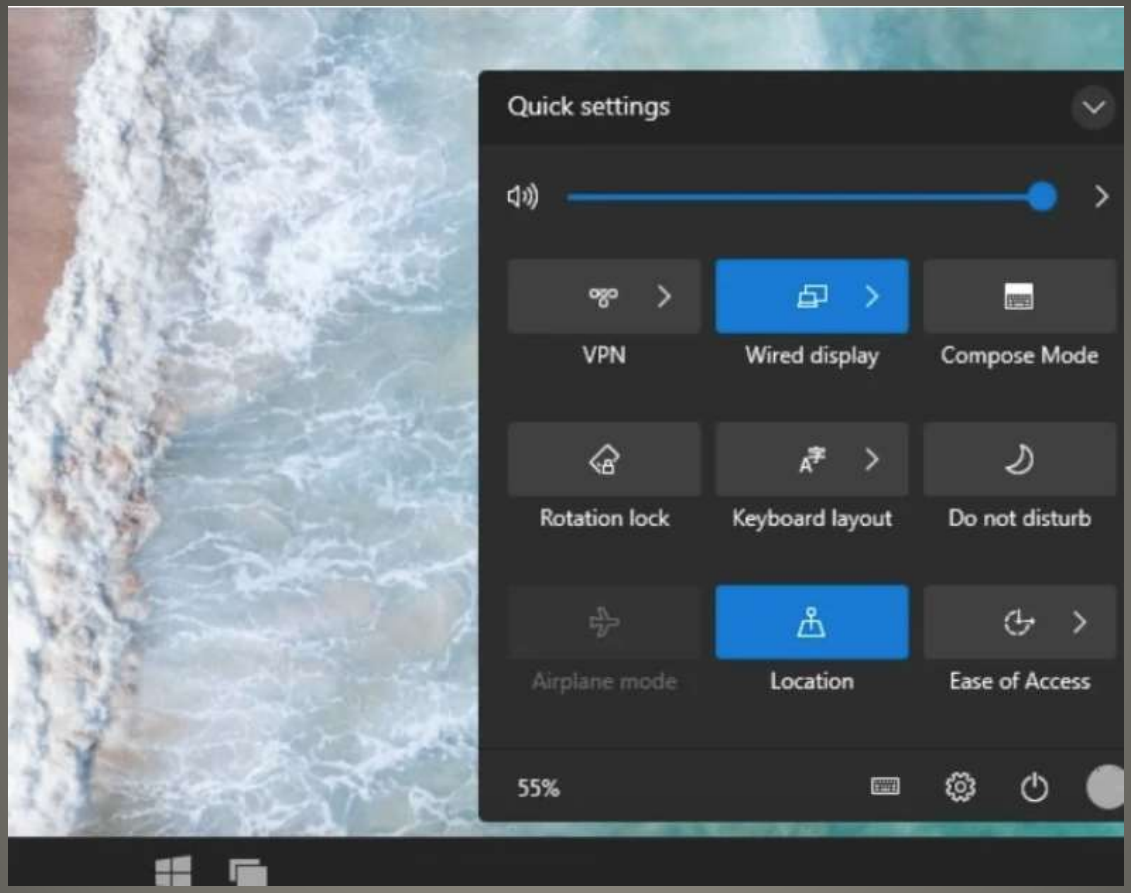


To remove potential problem patches

TBD



Windows 10X



Action Center

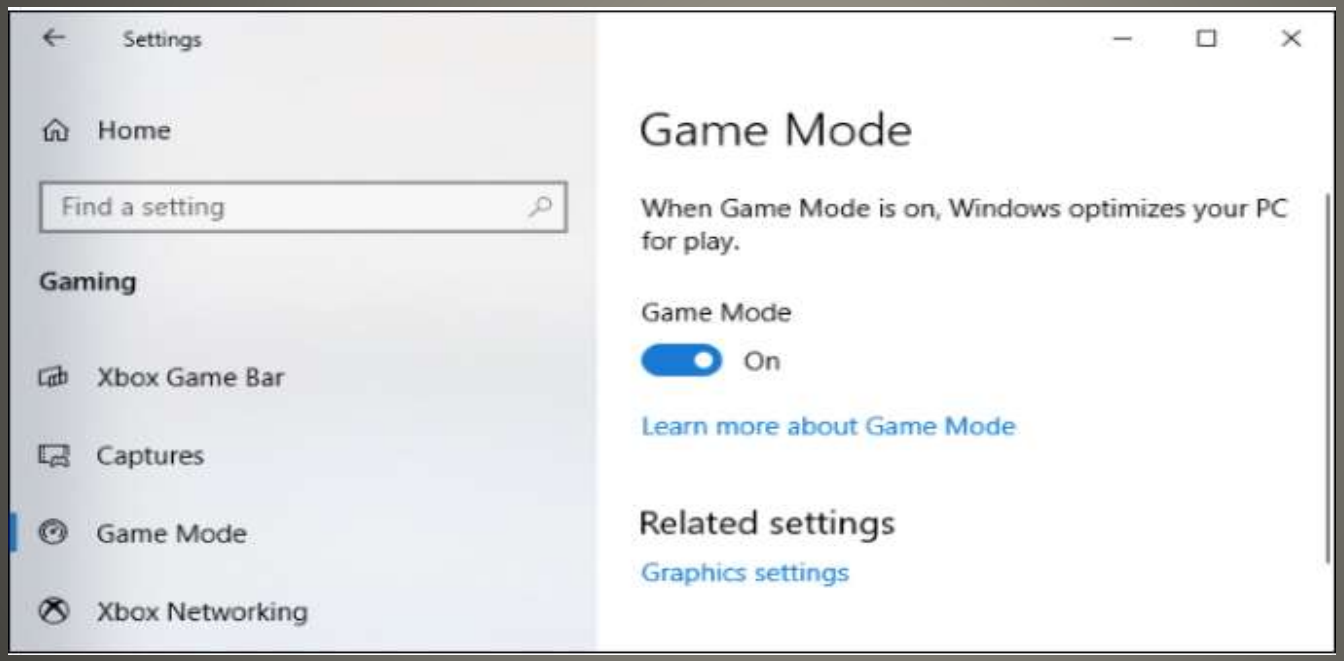
- Win32 & legacy code
- ChromeOS
- Add-on experience
- Dual screen
- Windows 10 S mode

Windows 10X

- Edge improve inking with pen vs. finger
- PC-as-a-service
- Viva

Windows News

- On by default
- May improve gaming performance
- May not



Game Mode

- Microsoft PowerToys | Microsoft Docs

Microsoft PowerToys: Utilities to customize Windows 10

12/02/2020 • 3 minutes to read •

Microsoft PowerToys is a set of utilities for power users to tune and streamline their Windows 10 experience for greater productivity.

Install PowerToys

Processor support

- **x64**: Supported
- **x86**: In development (see issue #602)
- **ARM**: In development (see issue #490)

Current PowerToy utilities

The currently available utilities include:

Microsoft PowerToys

- Color Picker
- Fancy Zones
- File Explorer add-ons
- Image Resizer
- Keyboard Manager
- PowerRename
- PowerToys Run
- Shortcut Guide
- Video Conference Mute (experimental)

PowerToys

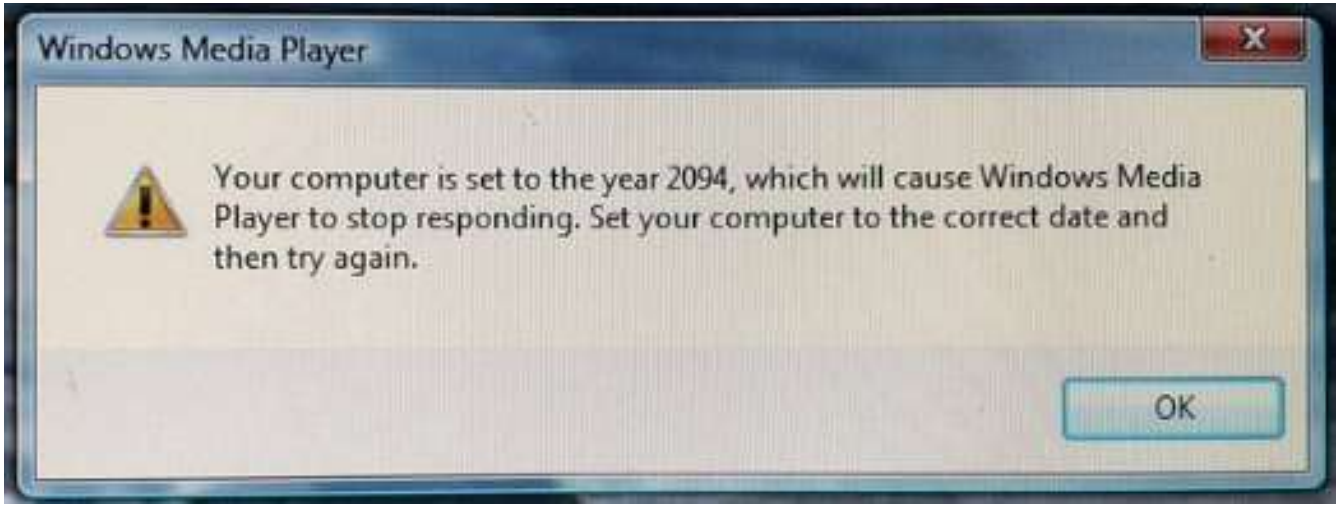
Power Toys Shortcut Guide

- Keyboard Manager
  Change keyboard Layout
- Shortcut Guide
  Hold Windows Key down
- Image Resizer
  Right click on image
- Fancy Zones
  Complex zone layout
- Power Toys Run
  Search + Run
- Video Conference Mute
  Mute audio and video regardless of focus

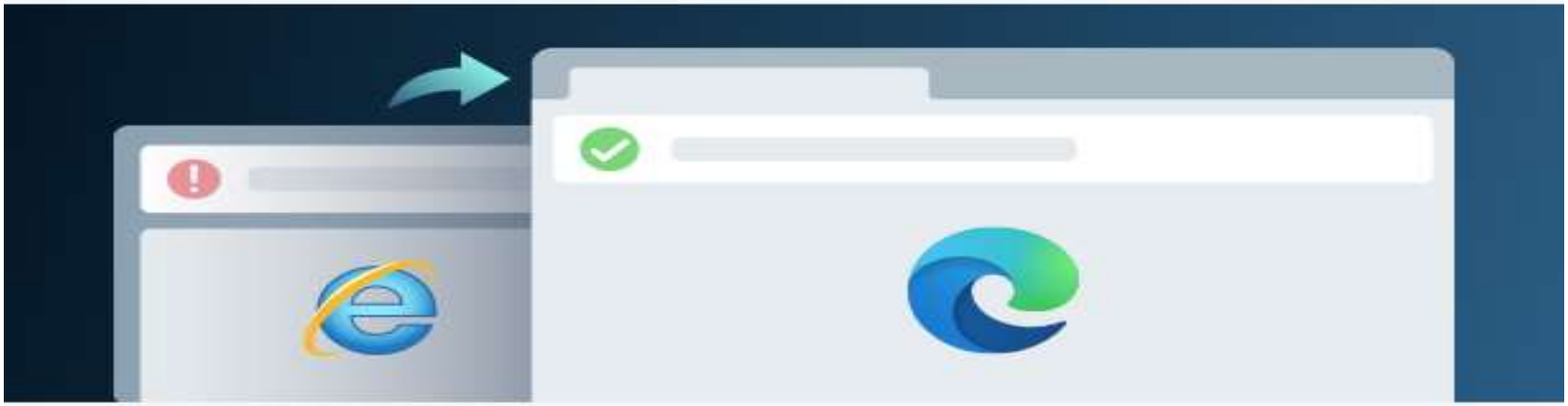
Power Toys

Windows History

- Windows 1.0
- Windows 2.x
- Windows 3.x
- Windows NT 3.x
- Windows 95
- Windows NT 4.x
- Windows 98
- Windows 2000
- Windows Me
- Windows XP
- Windows Server 2003
- Windows Vista
- Windows Server 2008
- Windows 7
- Windows 8
- Windows 10


Windows Media Player
Your computer is set to the year 2094, which will cause Windows Media Player to stop responding. Set your computer to the correct date and then try again.
OK

You're now browsing in Microsoft Edge



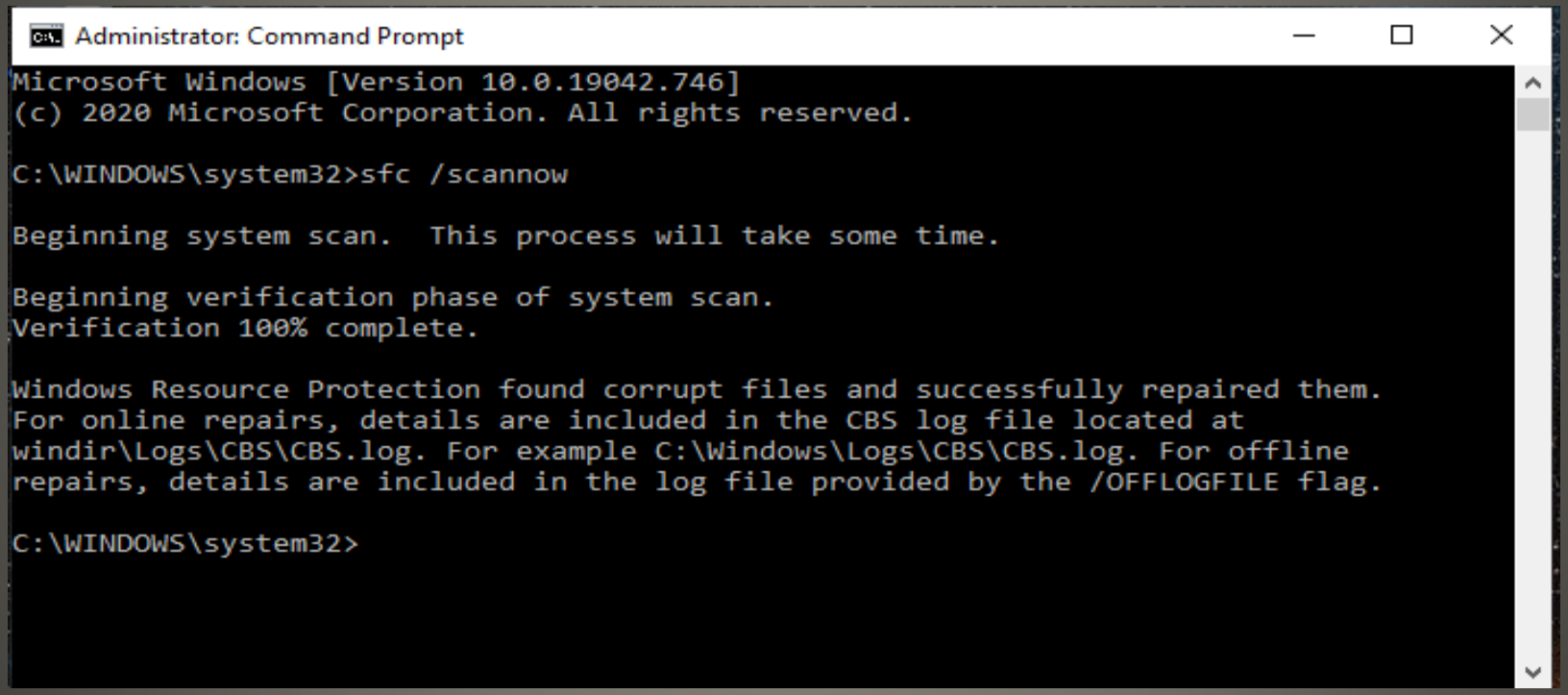
This website works better on Microsoft Edge

Microsoft recommends continuing in Microsoft Edge to experience better speed, performance, and security.

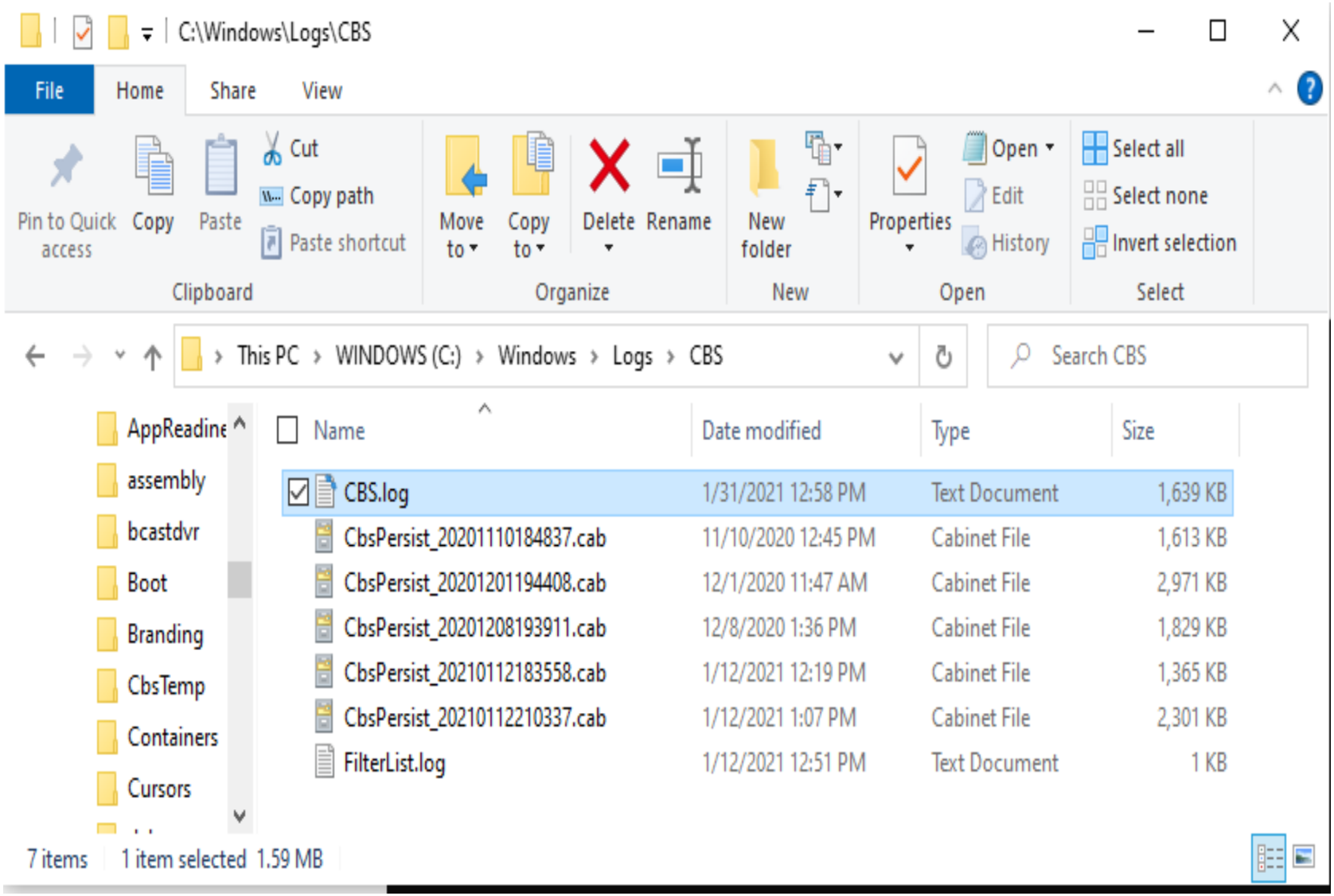
Avoid interruptions by bringing my browsing data and preferences from Internet Explorer whenever this happens

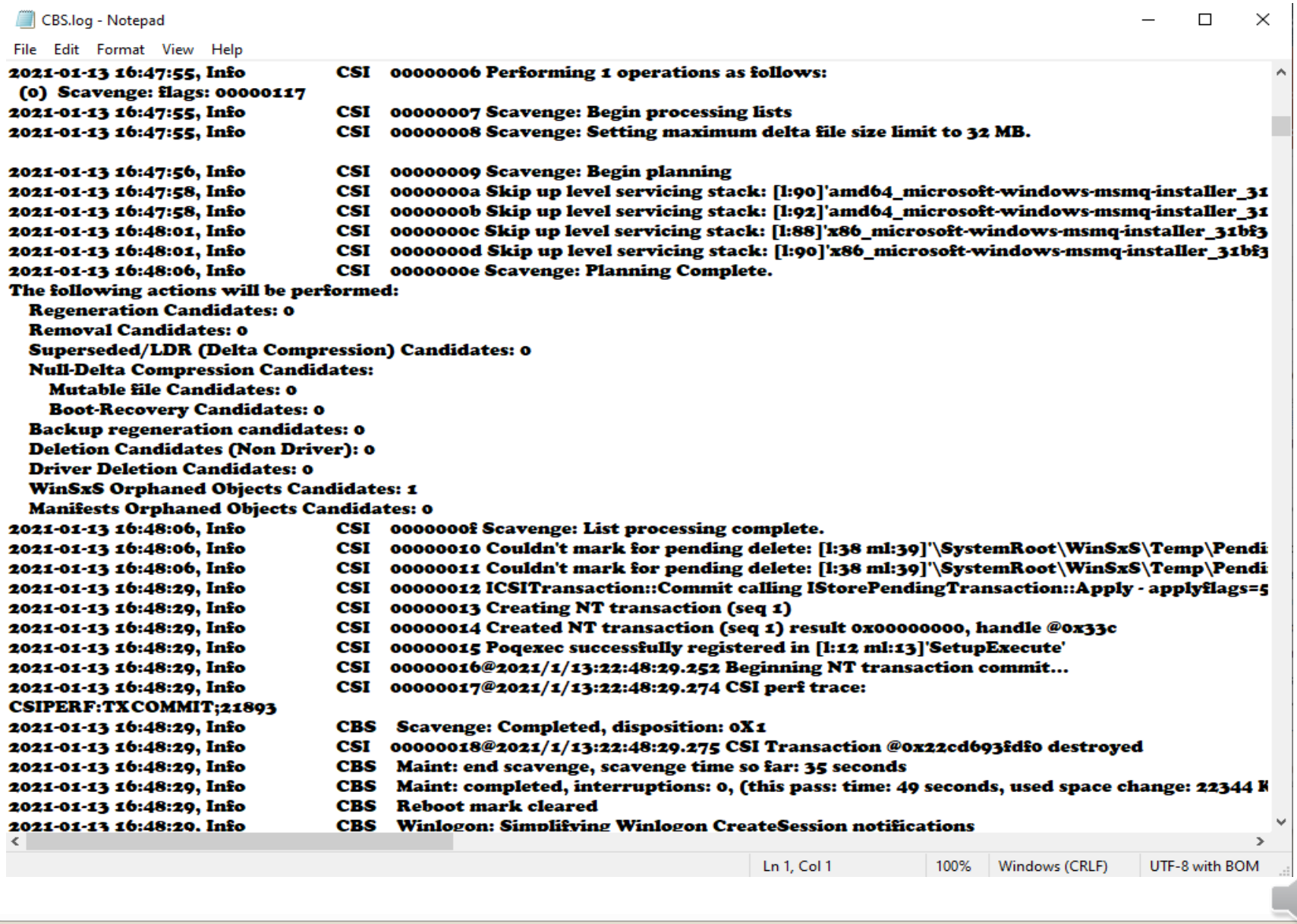
Continue browsing

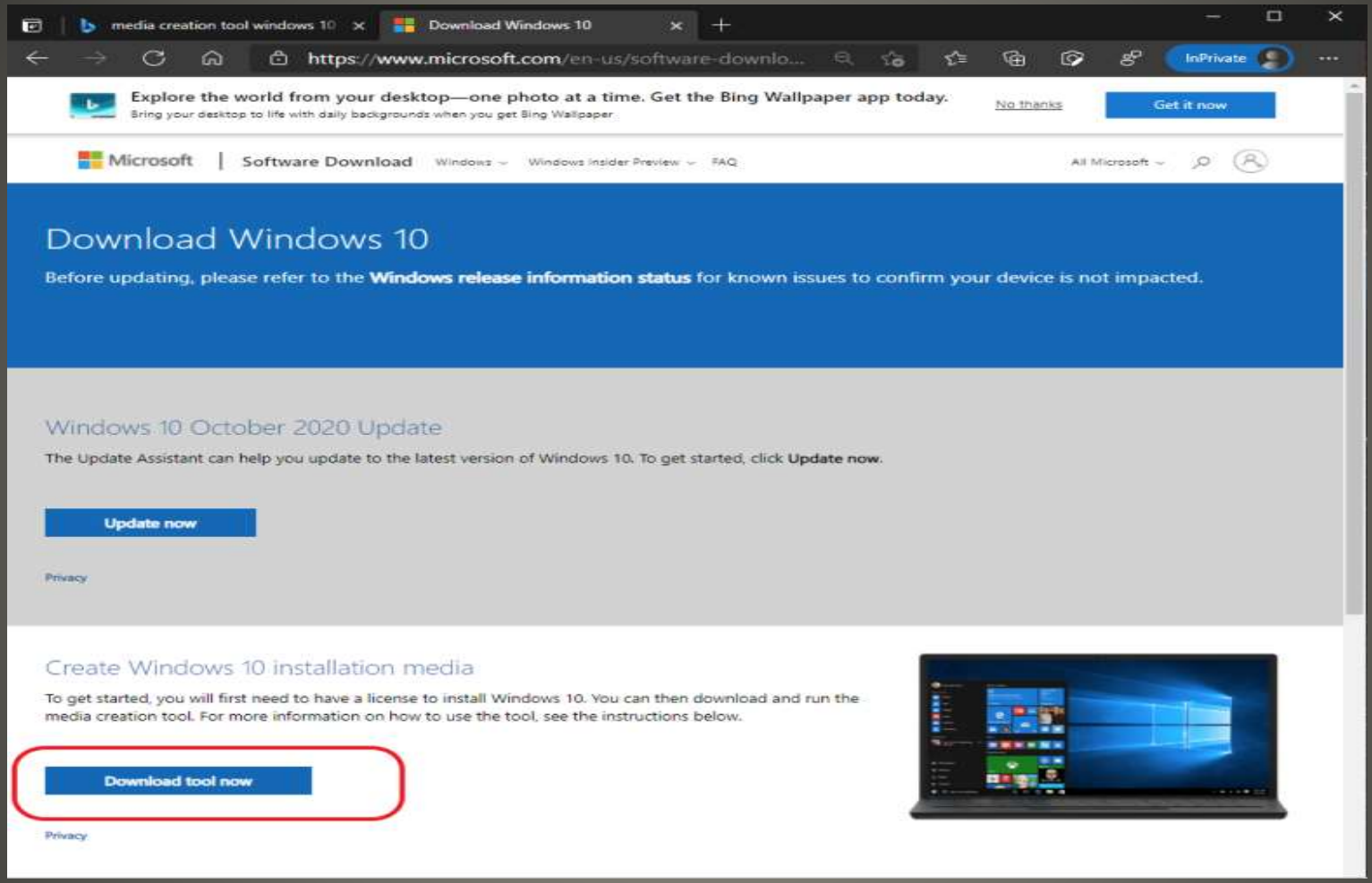
- BACKUP system using Media Creation tool!
- Run CMD as Administrator



System File Checker

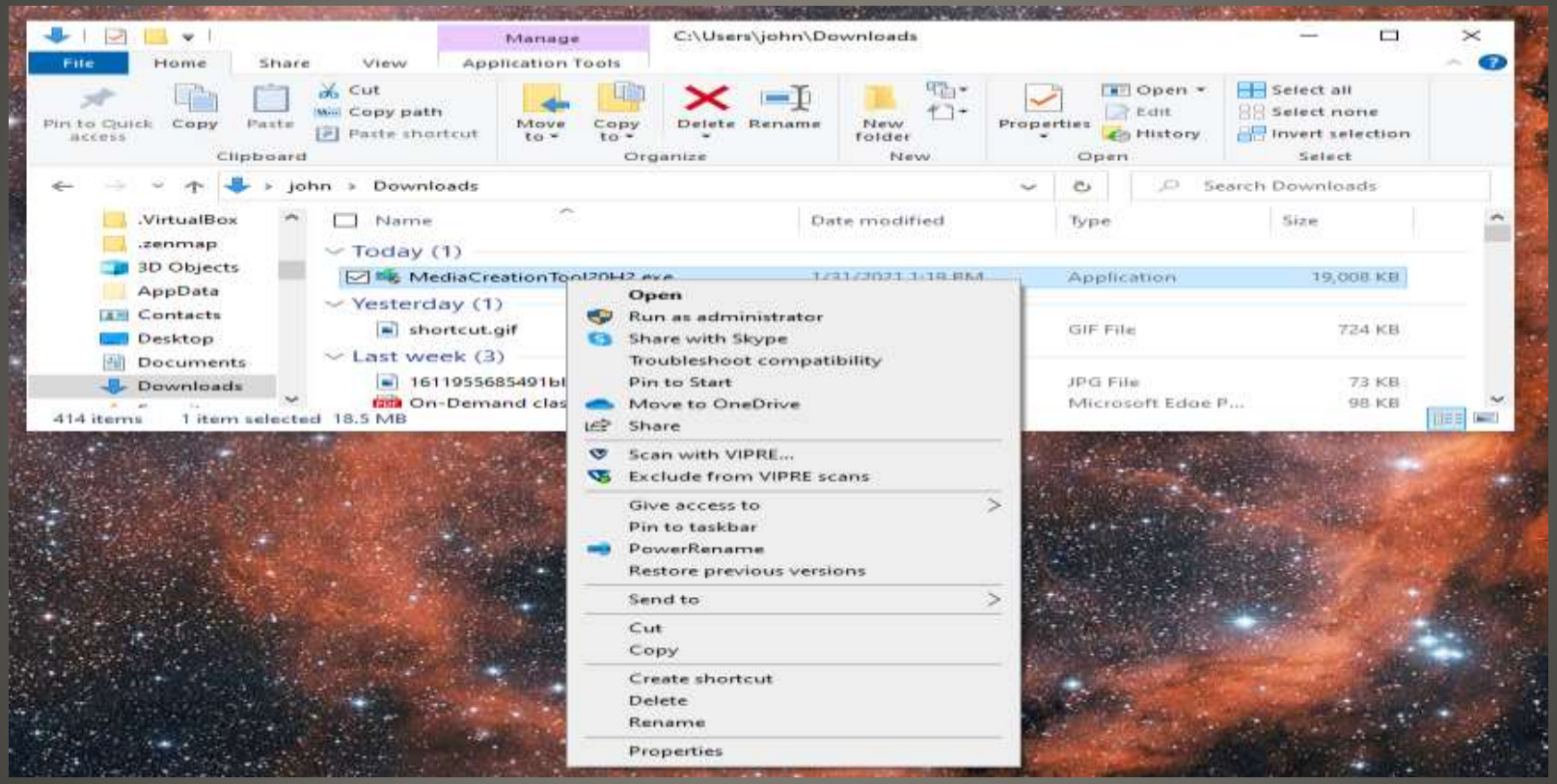

C:\Windows\Logs\CBS
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
This PC › WINDOWS (C:) › Windows › Logs › CBS
Search CBS
AppReadine
assembly
bcastdvr
Boot
Branding
CbsTemp
Containers
Cursors
Name
Date modified
Type
Size
CBS.log 1/31/2021 12:58 PM Text Document 1,639 KB
CbsPersist_20201110184837.cab 11/10/2020 12:45 PM Cabinet File 1,613 KB
CbsPersist_20201201194408.cab 12/1/2020 11:47 AM Cabinet File 2,971 KB
CbsPersist_20201208193911.cab 12/8/2020 1:36 PM Cabinet File 1,829 KB
CbsPersist_20210112183558.cab 1/12/2021 12:19 PM Cabinet File 1,365 KB
CbsPersist_20210112210337.cab 1/12/2021 1:07 PM Cabinet File 2,301 KB
FilterList.log 1/12/2021 12:51 PM Text Document 1 KB
7 items
1 item selected 1.59 MB


CBS.log - Notepad
File Edit Format View Help
2021-01-13 16:47:55, Info CSI 00000006 Performing 1 operations as follows:
(0) Scavenge: flags: 00000117
2021-01-13 16:47:55, Info CSI 00000007 Scavenge: Begin processing lists
2021-01-13 16:47:55, Info CSI 00000008 Scavenge: Setting maximum delta file size limit to 32 MB.
2021-01-13 16:47:56, Info CSI 00000009 Scavenge: Begin planning
2021-01-13 16:47:58, Info CSI 0000000a Skip up level servicing stack: [l:90]'amd64_microsoft-windows-msmq-installer_31
2021-01-13 16:47:58, Info CSI 0000000b Skip up level servicing stack: [l:92]'amd64_microsoft-windows-msmq-installer_31
2021-01-13 16:48:01, Info CSI 0000000c Skip up level servicing stack: [l:88]'x86_microsoft-windows-msmq-installer_31bf3
2021-01-13 16:48:01, Info CSI 0000000d Skip up level servicing stack: [l:90]'x86_microsoft-windows-msmq-installer_31bf3
2021-01-13 16:48:06, Info CSI 0000000e Scavenge: Planning Complete.
The following actions will be performed:
Regeneration Candidates: 0
Removal Candidates: 0
Superseded/LDR (Delta Compression) Candidates: 0
Null-Delta Compression Candidates:
Mutable file Candidates: 0
Boot-Recovery Candidates: 0
Backup regeneration candidates: 0
Deletion Candidates (Non Driver): 0
Driver Deletion Candidates: 0
WinSxS Orphaned Objects Candidates: 1
Manifests Orphaned Objects Candidates: 0
2021-01-13 16:48:06, Info CSI 0000000f Scavenge: List processing complete.
2021-01-13 16:48:06, Info CSI 00000010 Couldn't mark for pending delete: [l:38 ml:39]'\SystemRoot\WinSxS\Temp\Pendi
2021-01-13 16:48:06, Info CSI 00000011 Couldn't mark for pending delete: [l:38 ml:39]'\SystemRoot\WinSxS\Temp\Pendi
2021-01-13 16:48:29, Info CSI 00000012 ICSITransaction::Commit calling IStorePendingTransaction::Apply - applyflags=5
2021-01-13 16:48:29, Info CSI 00000013 Creating NT transaction (seq 1)
2021-01-13 16:48:29, Info CSI 00000014 Created NT transaction (seq 1) result 0x00000000, handle @0x33c
2021-01-13 16:48:29, Info CSI 00000015 Poqexec successfully registered in [l:12 ml:13]'SetupExecute'
2021-01-13 16:48:29, Info CSI 00000016@2021/1/13:22:48:29.252 Beginning NT transaction commit...
2021-01-13 16:48:29, Info CSI 00000017@2021/1/13:22:48:29.274 CSI perf trace:
CSIPERF:TXCOMMIT;21893
2021-01-13 16:48:29, Info CBS Scavenge: Completed, disposition: 0X1
2021-01-13 16:48:29, Info CSI 00000018@2021/1/13:22:48:29.275 CSI Transaction @0x22cd693fdf0 destroyed
2021-01-13 16:48:29, Info CBS Maint: end scavenge, scavenge time so far: 35 seconds
2021-01-13 16:48:29, Info CBS Maint: completed, interruptions: 0, (this pass: time: 49 seconds, used space change: 22344 F
2021-01-13 16:48:29, Info CBS Reboot mark cleared
2021-01-13 16:48:29, Info CBS Winlogon: Simplifying Winlogon CreateSession notifications
Ln 1, Col 1
100%
Windows (CRLF)
UTF-8 with BOM



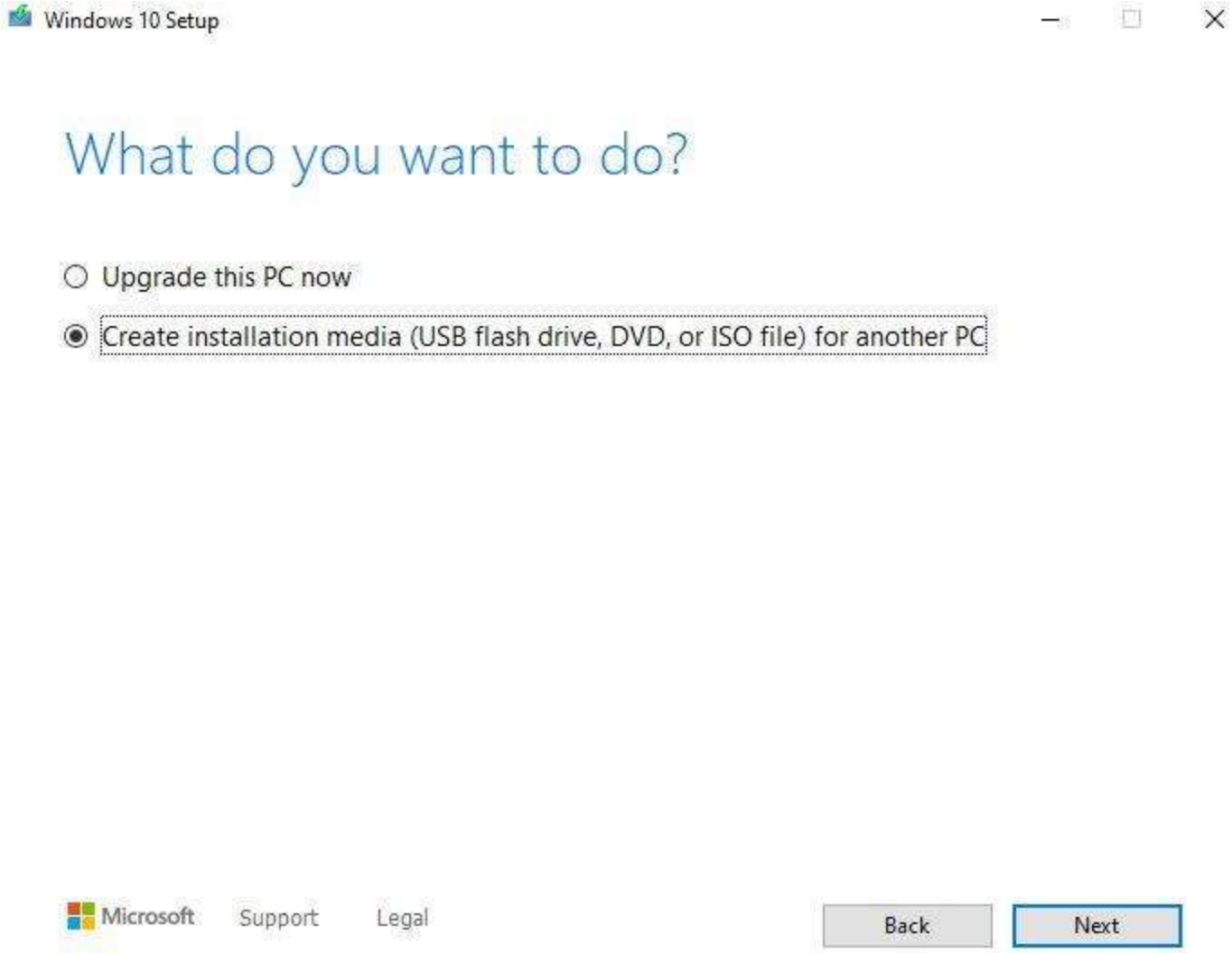
Media Creation Tool

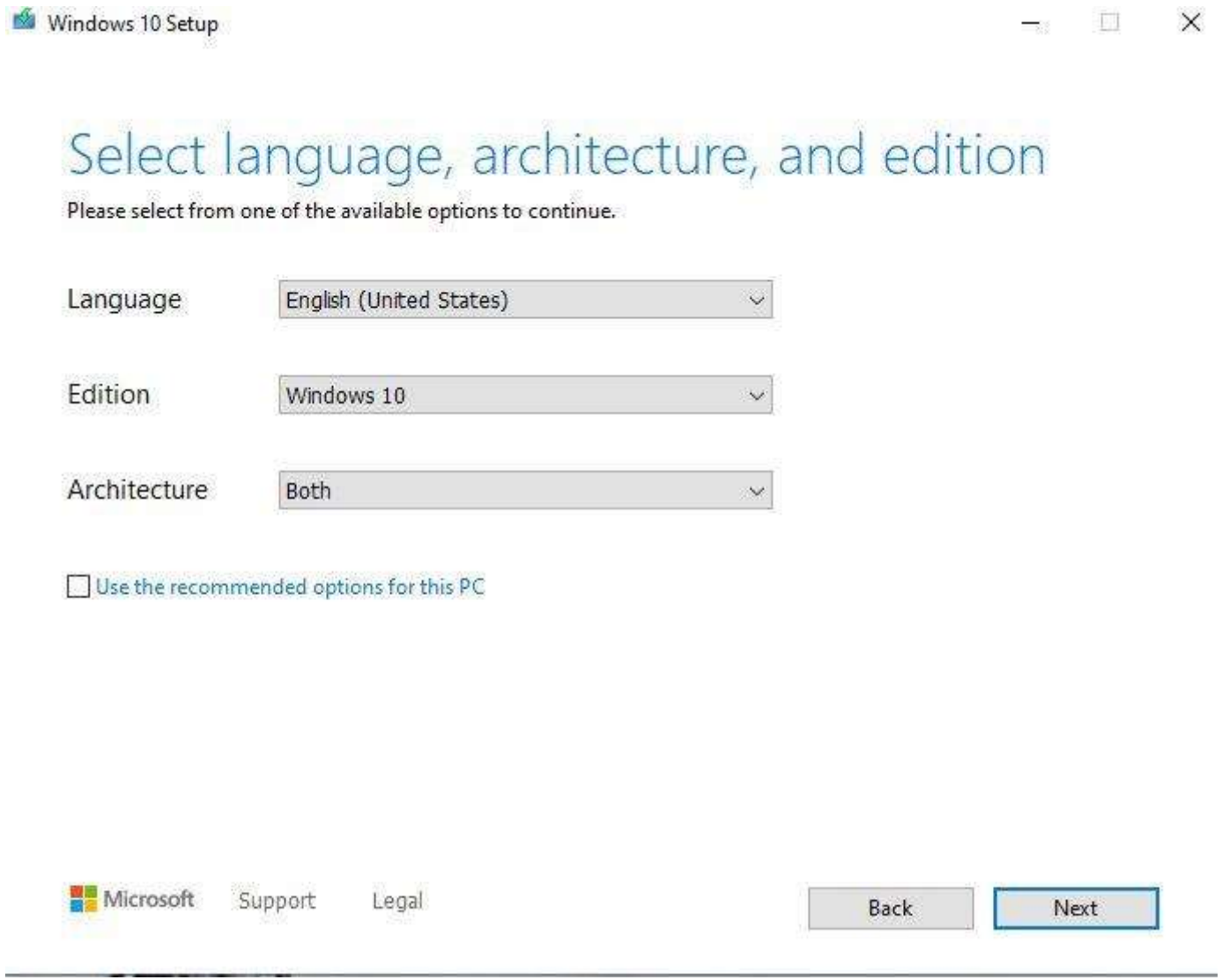
- Save As

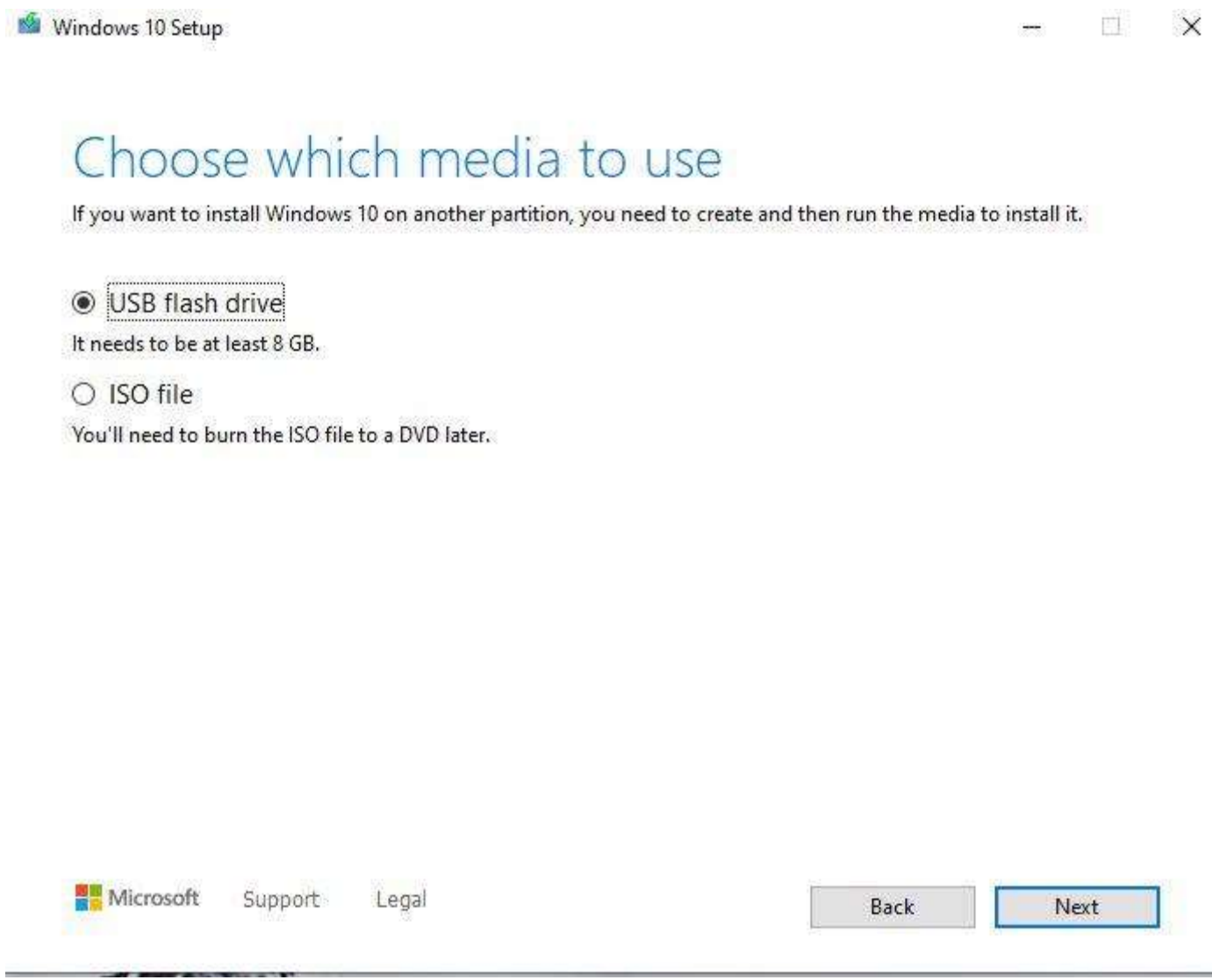


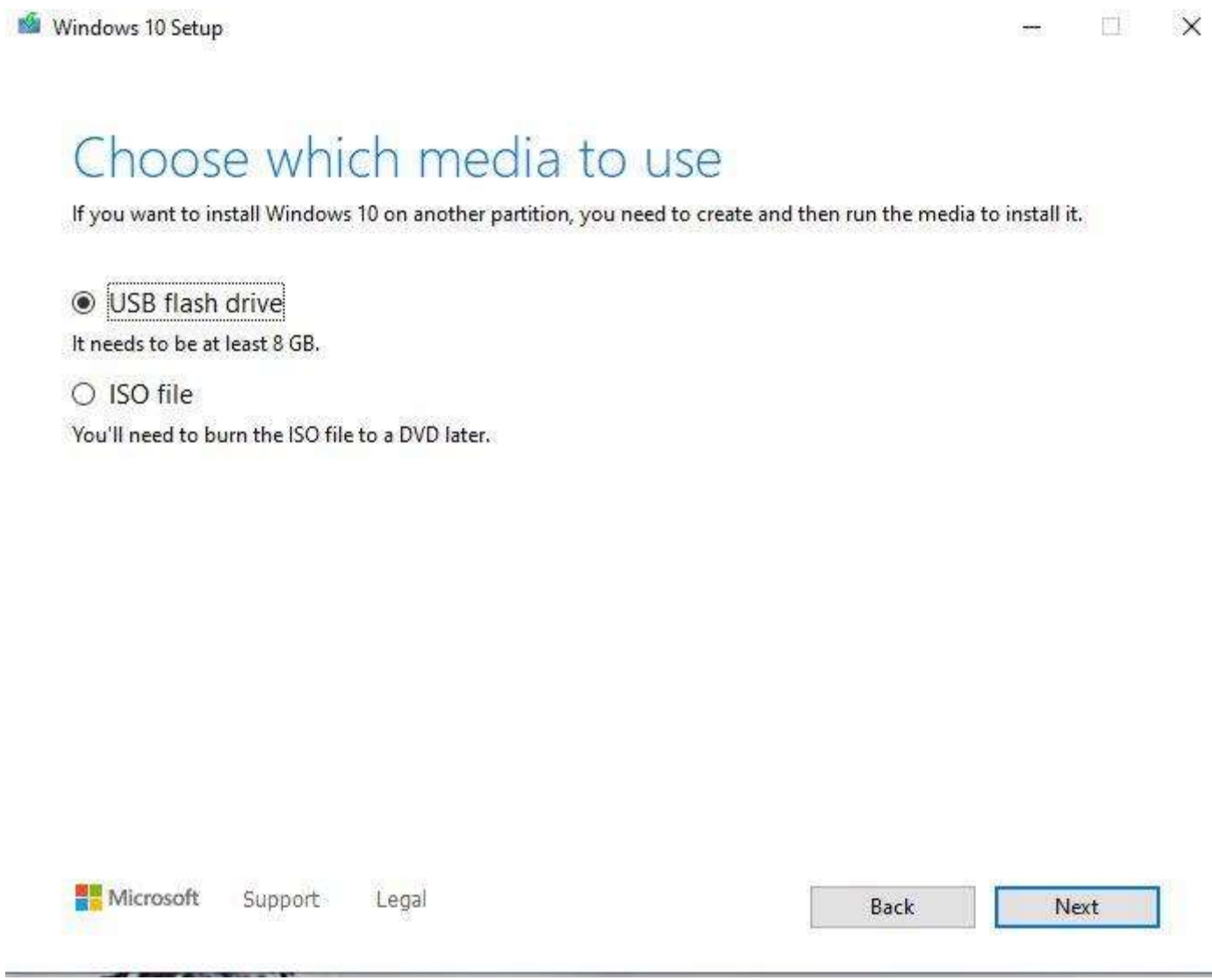
Media Creation Tool

- User Access Control
  Provide ADMINISTRATOR credentials
- Better run Administrator account on fresh reboot


Windows 10 Setup
What do you want to do?
Upgrade this PC now
Create installation media (USB flash drive, DVD, or ISO file) for another PC
Microsoft
Support
Legal
Back
Next


Windows 10 Setup
Select language, architecture, and edition
Please select from one of the available options to continue.
Language
English (United States)
Edition
Windows 10
Architecture
Both
Use the recommended options for this PC
Microsoft
Support
Legal
Back
Next


Windows 10 Setup
Choose which media to use
If you want to install Windows 10 on another partition, you need to create and then run the media to install it.
USB flash drive
It needs to be at least 8 GB.
ISO file
You'll need to burn the ISO file to a DVD later.
Microsoft
Support
Legal
Back
Next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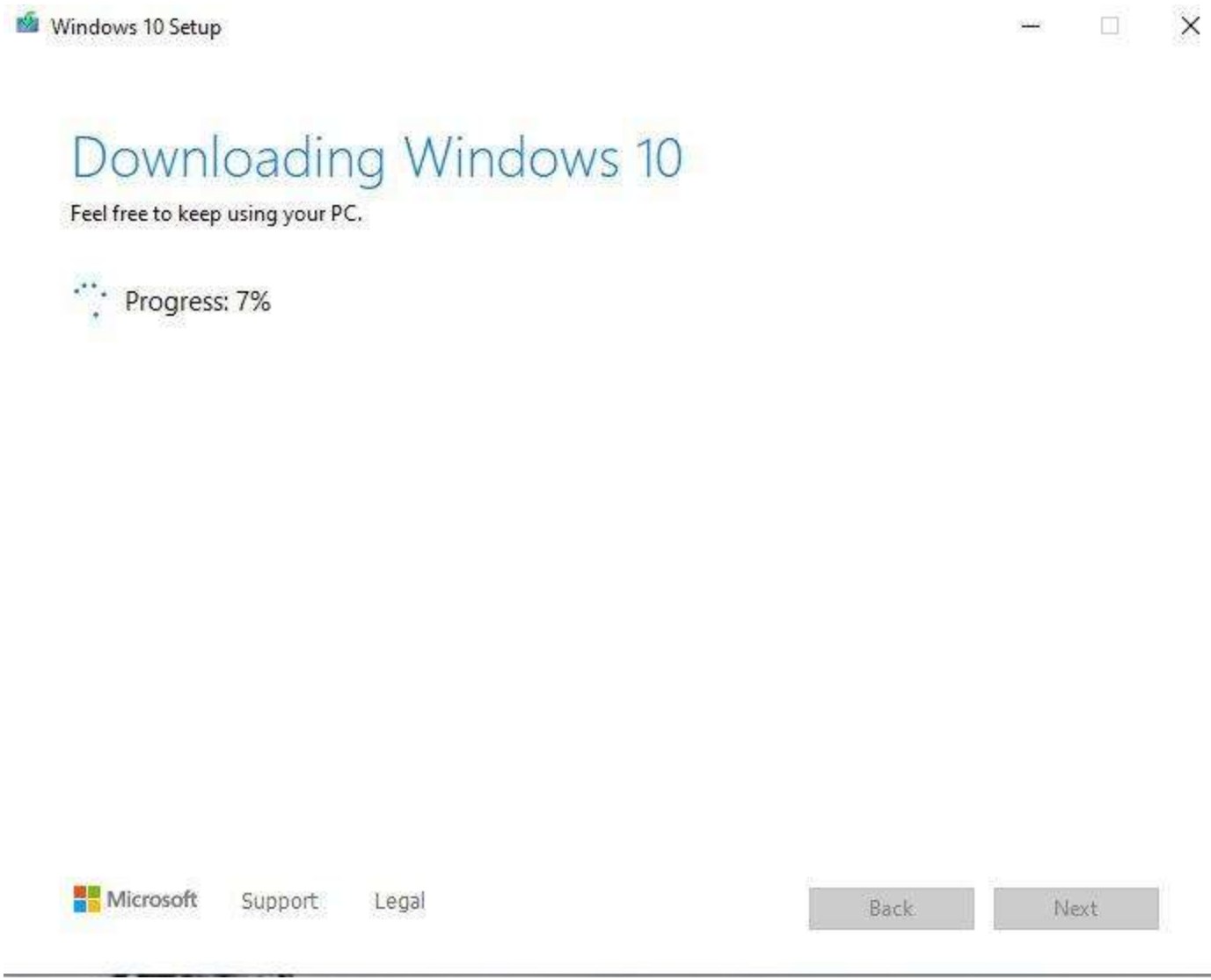
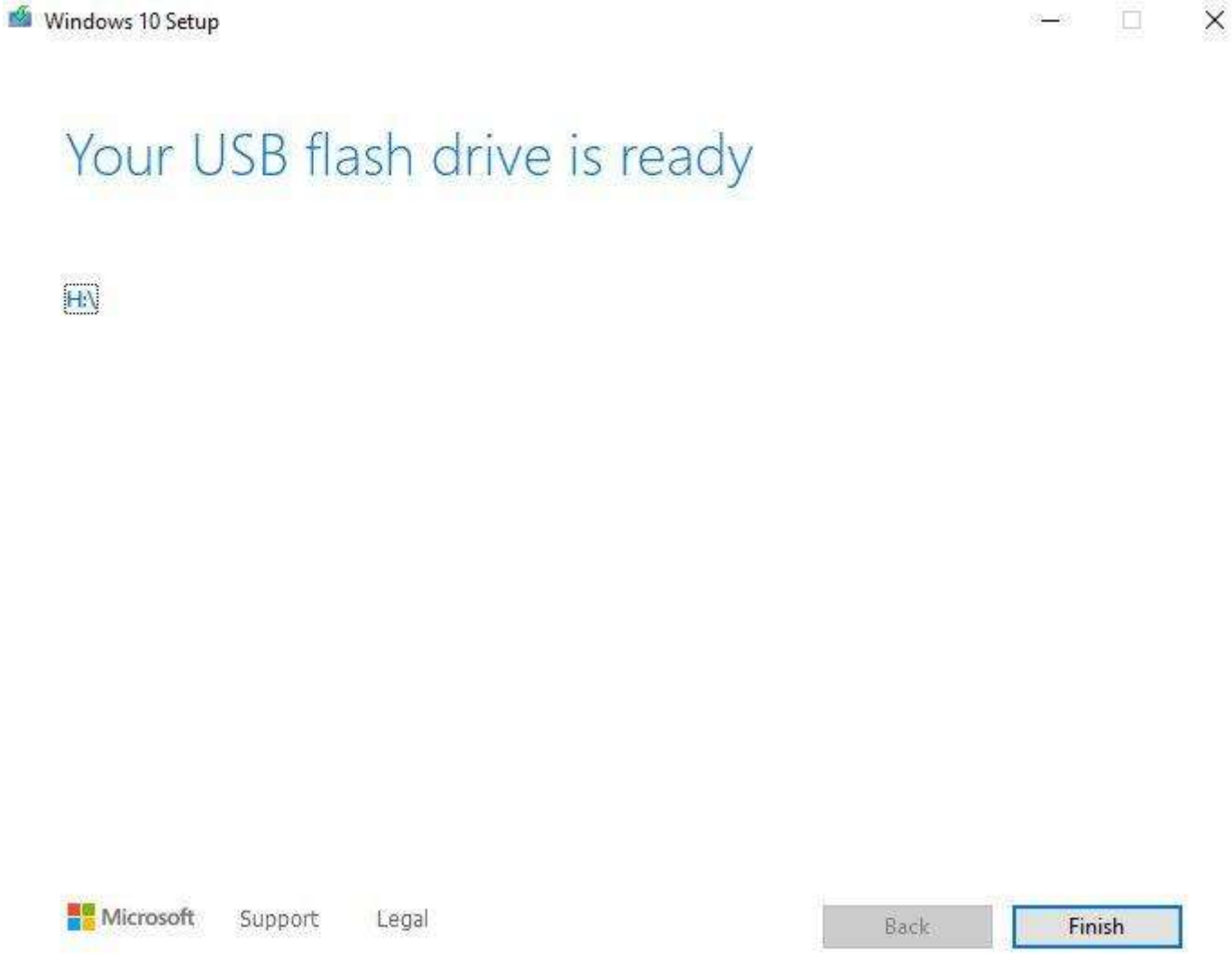
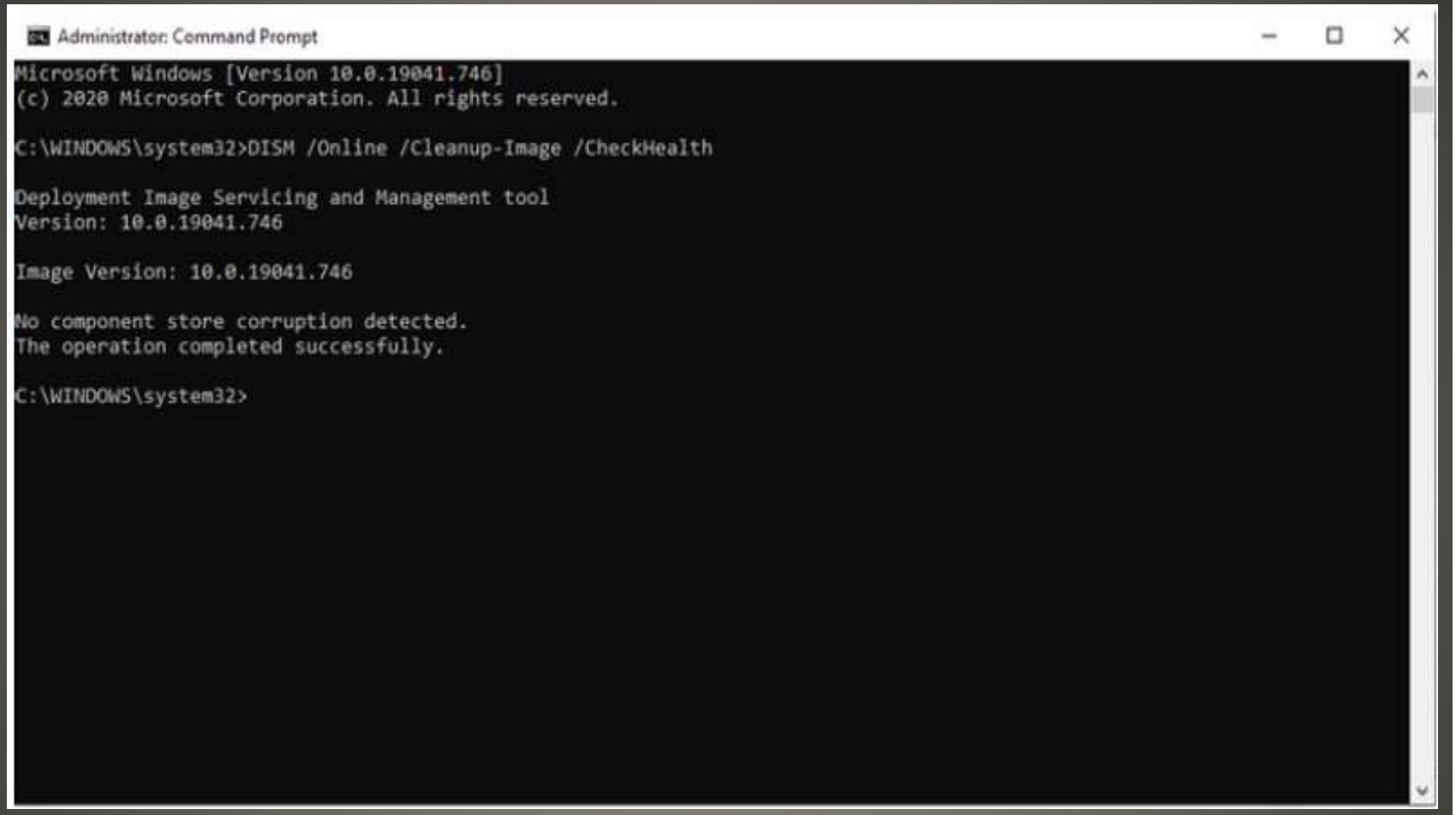
Microsoft
Support
Legal
Back
Next

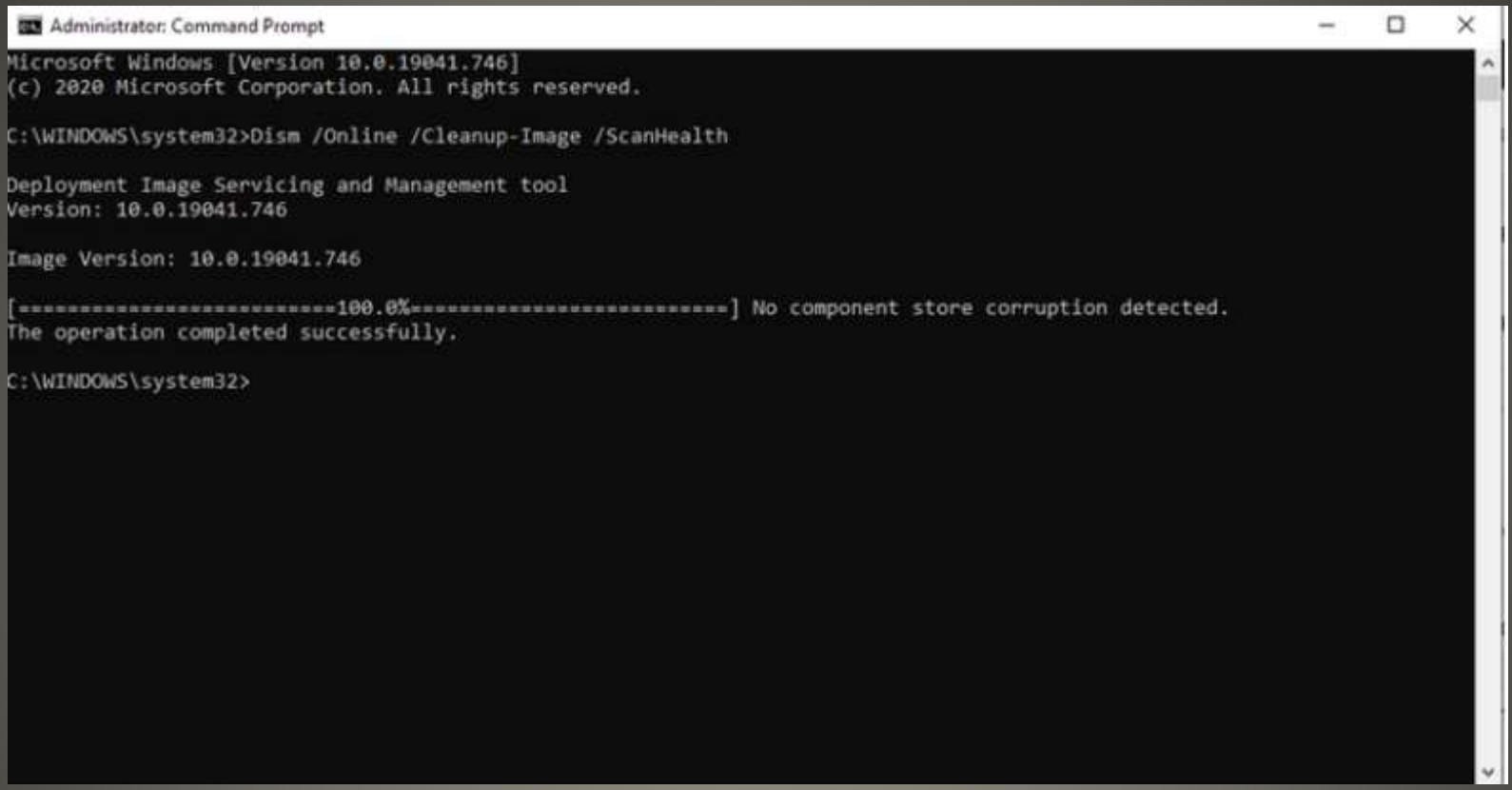

Windows 10 Setup
Downloading Windows 10
Feel free to keep using your PC.
Progress: 7%
Microsoft
Support
Legal
Back
Next

Windows 10 Setup
Creating Windows 10 media
Feel free to keep using your PC.
Progress: 18%
Microsoft
Support
Legal
Back
Next


Windows 10 Setup
Your USB flash drive is ready
H:\
Microsoft
Support
Legal
Back
Finish



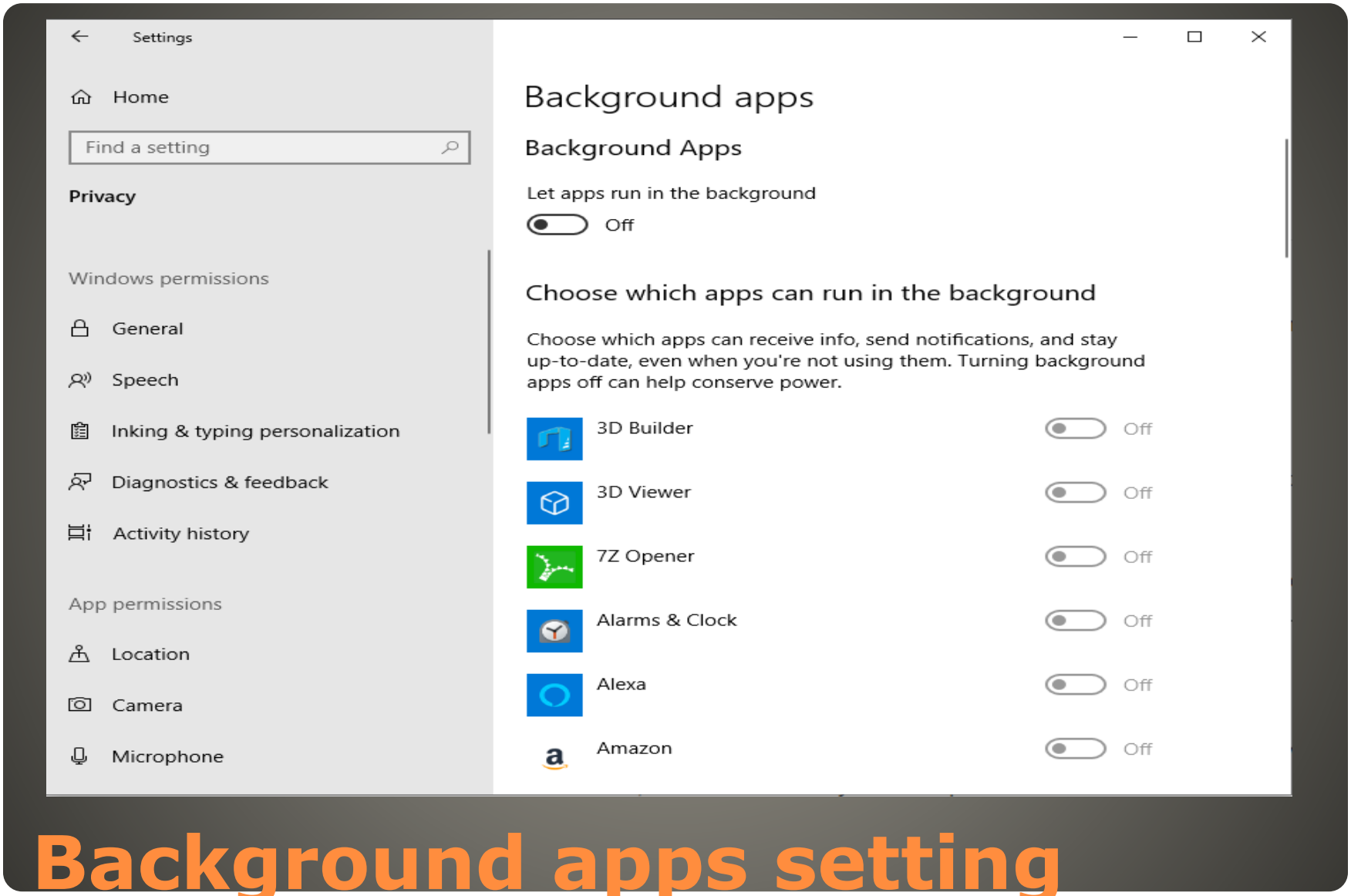
Deployment Image Servicing and Management



DSIM ScanHealth

- IFF
- DSIM /Online /Cleanup-Image /RestoreHealth

DSIM



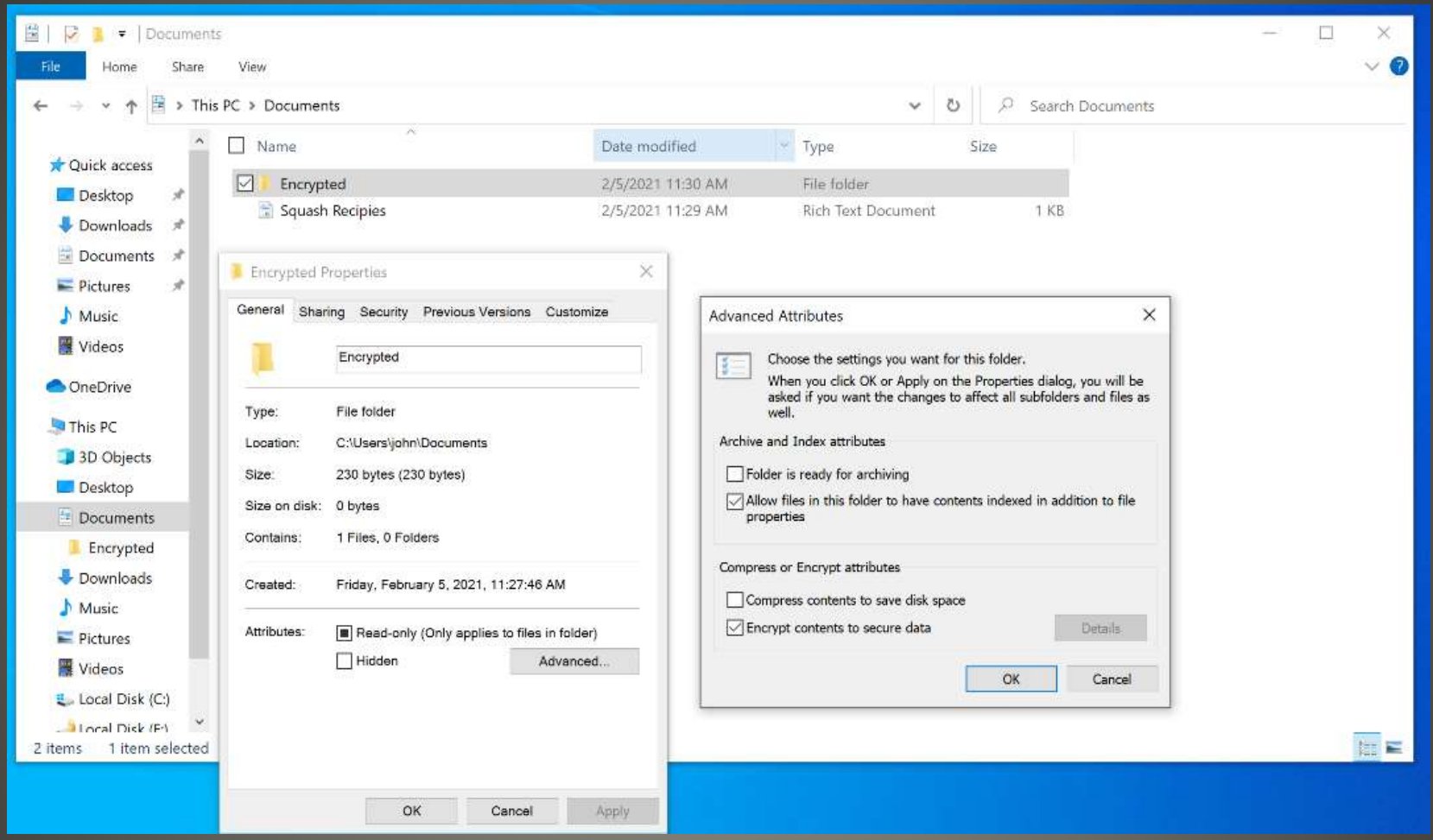
Background apps setting

- Diagnostic Data Viewer
- Mail and Calendar
- Maps
- Messaging
- Microsoft Photos
- Microsoft Store
- Office
- Skype
- Weather
- Windows Security
- Your Phone

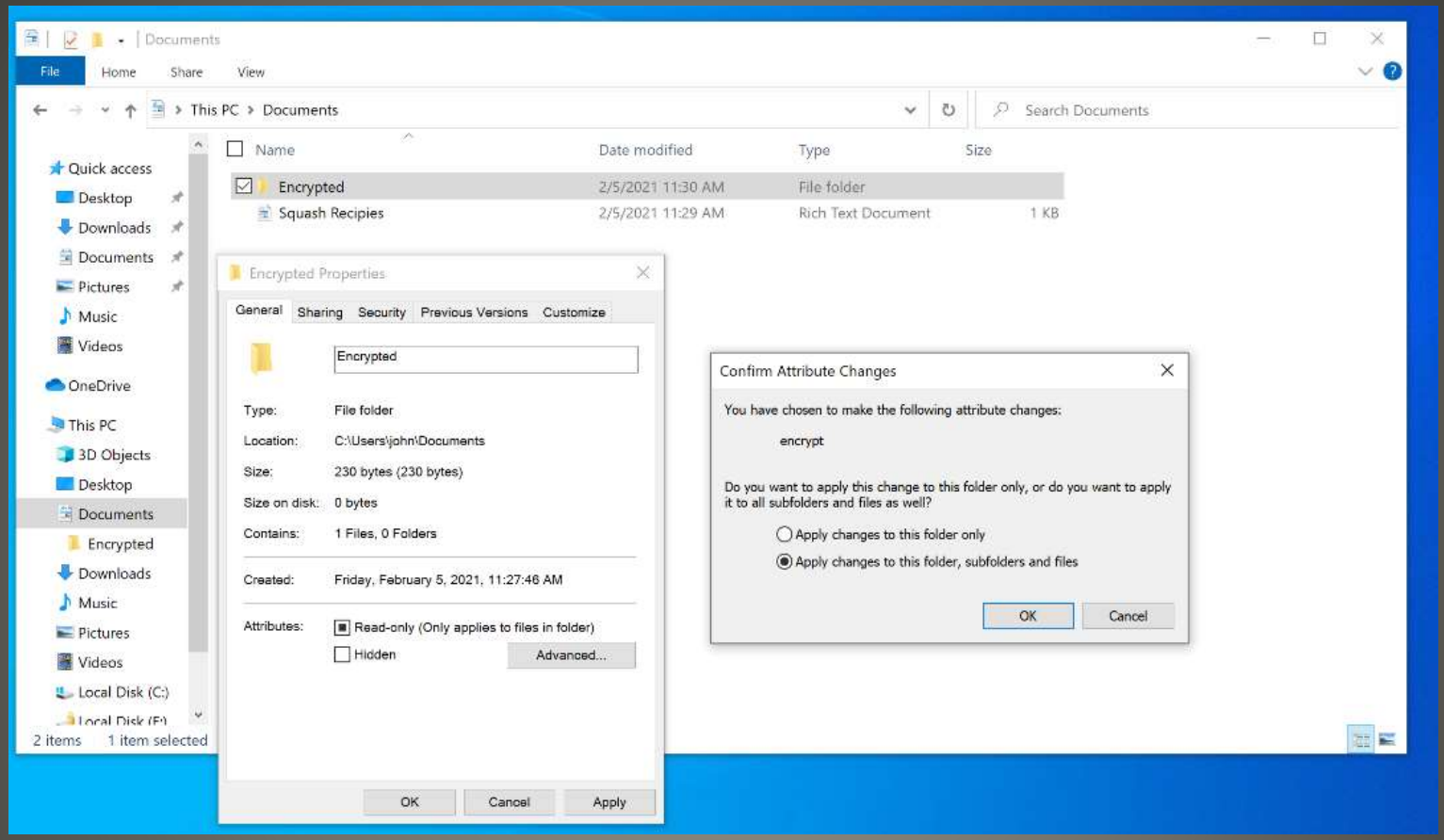
Consider value

- DOUBLE EDGED SWORD

Encryption for Protection

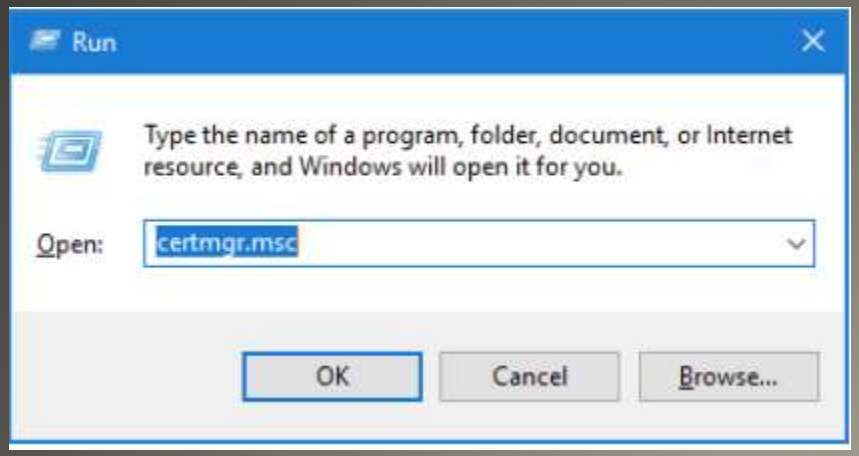


Windows PRO folder

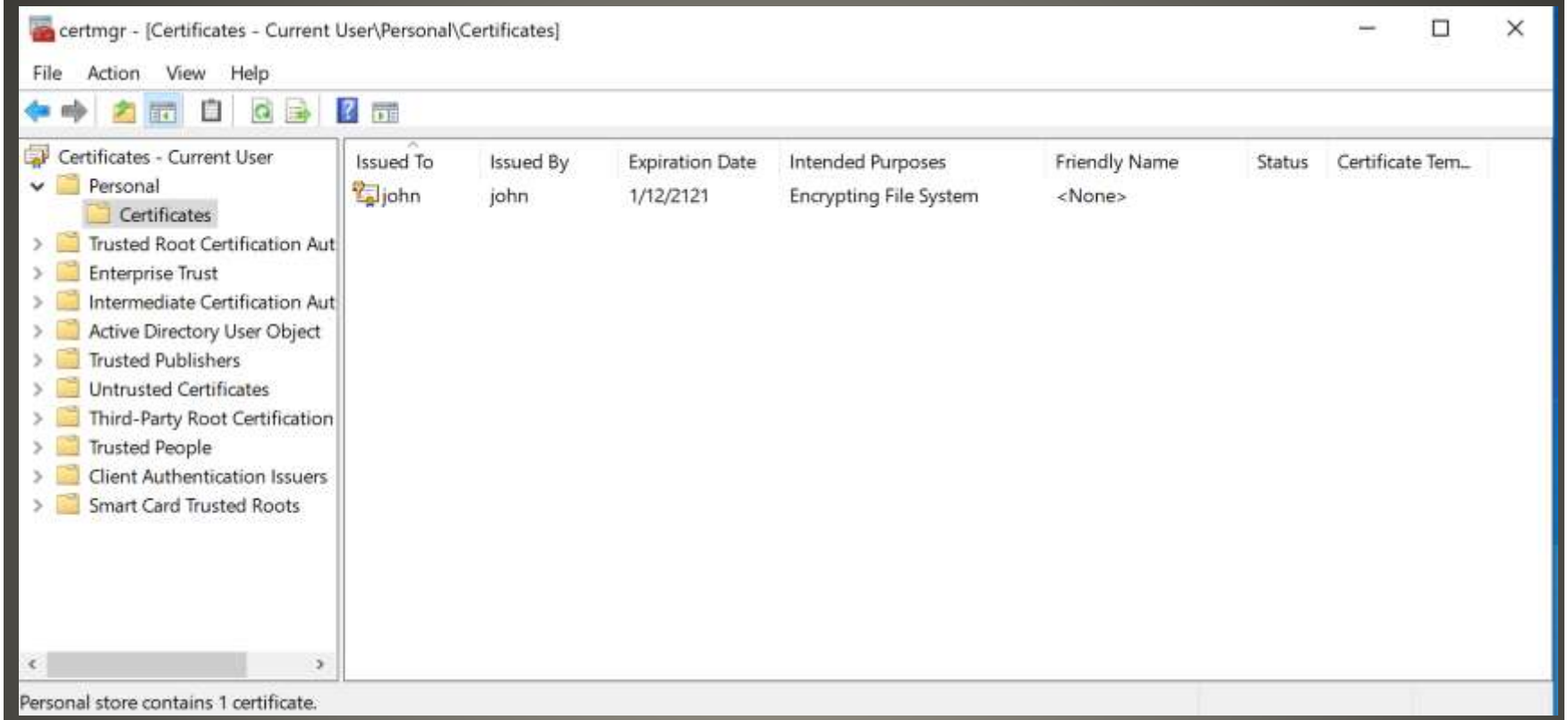


Windows PRO folder Apply

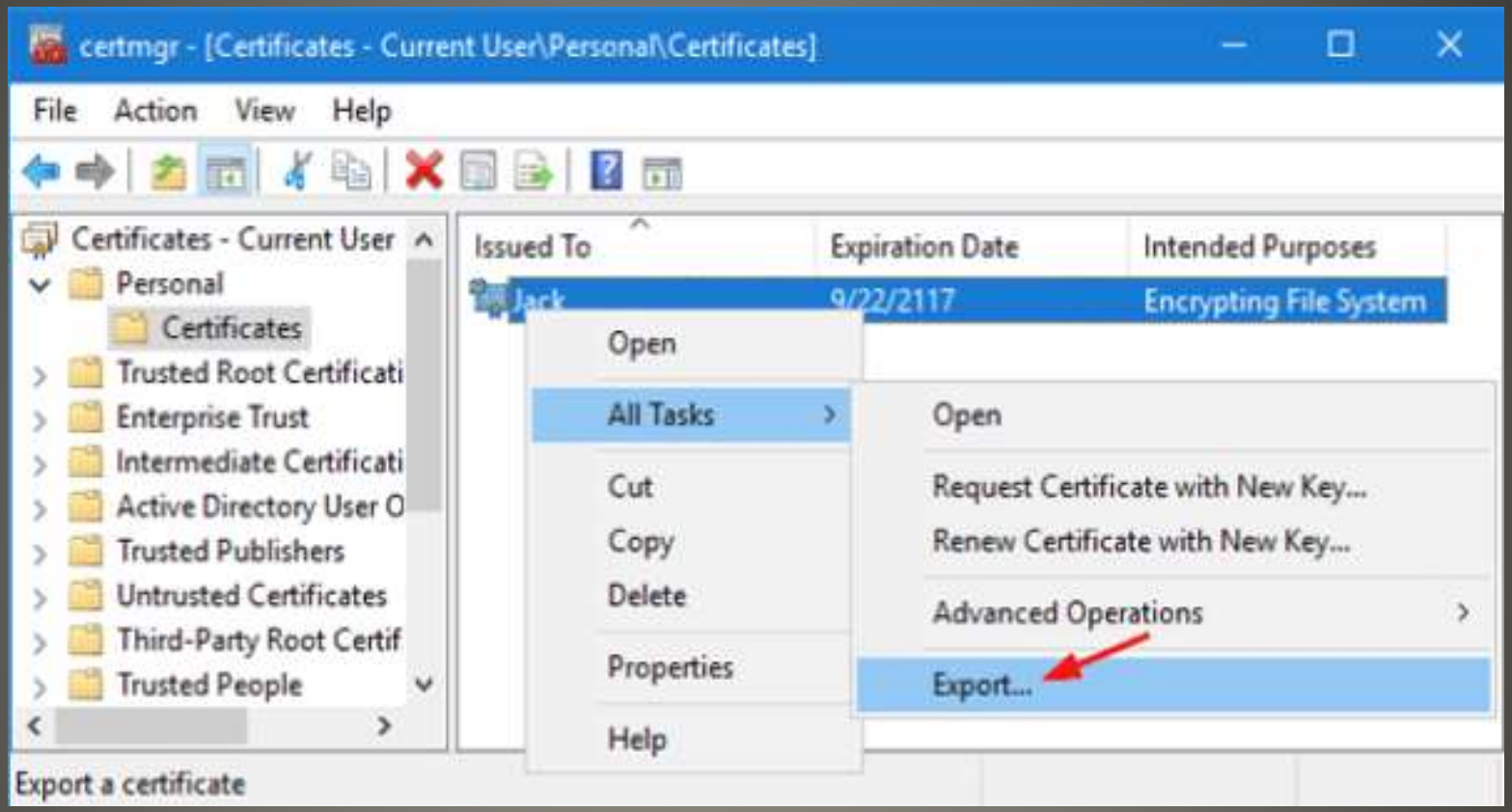
Back up your file encryption key
This helps you avoid permanently losing access to your encrypted files.
Desktop

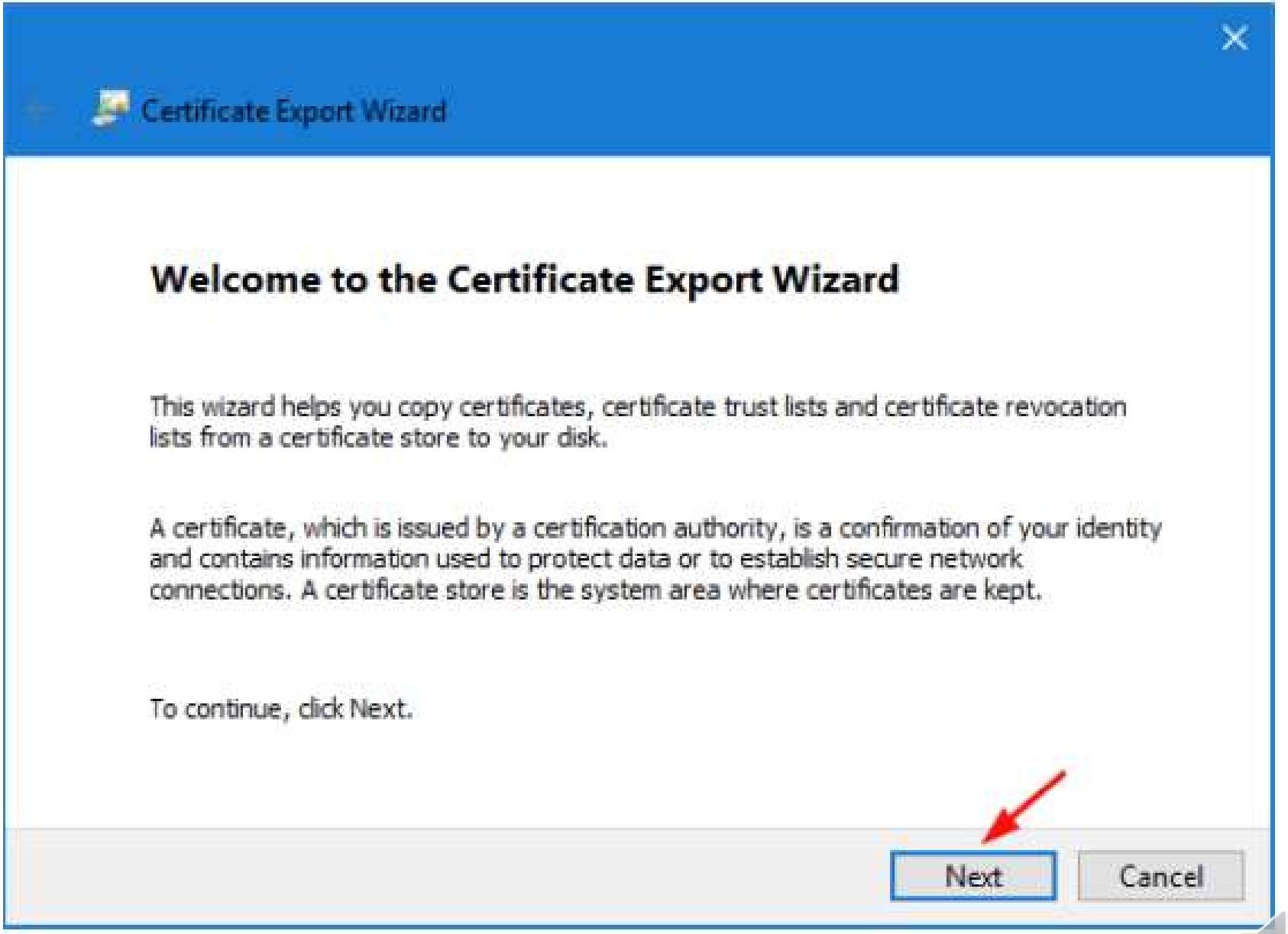

Run
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:
certmgr.msc
OK
Cancel
Browse...

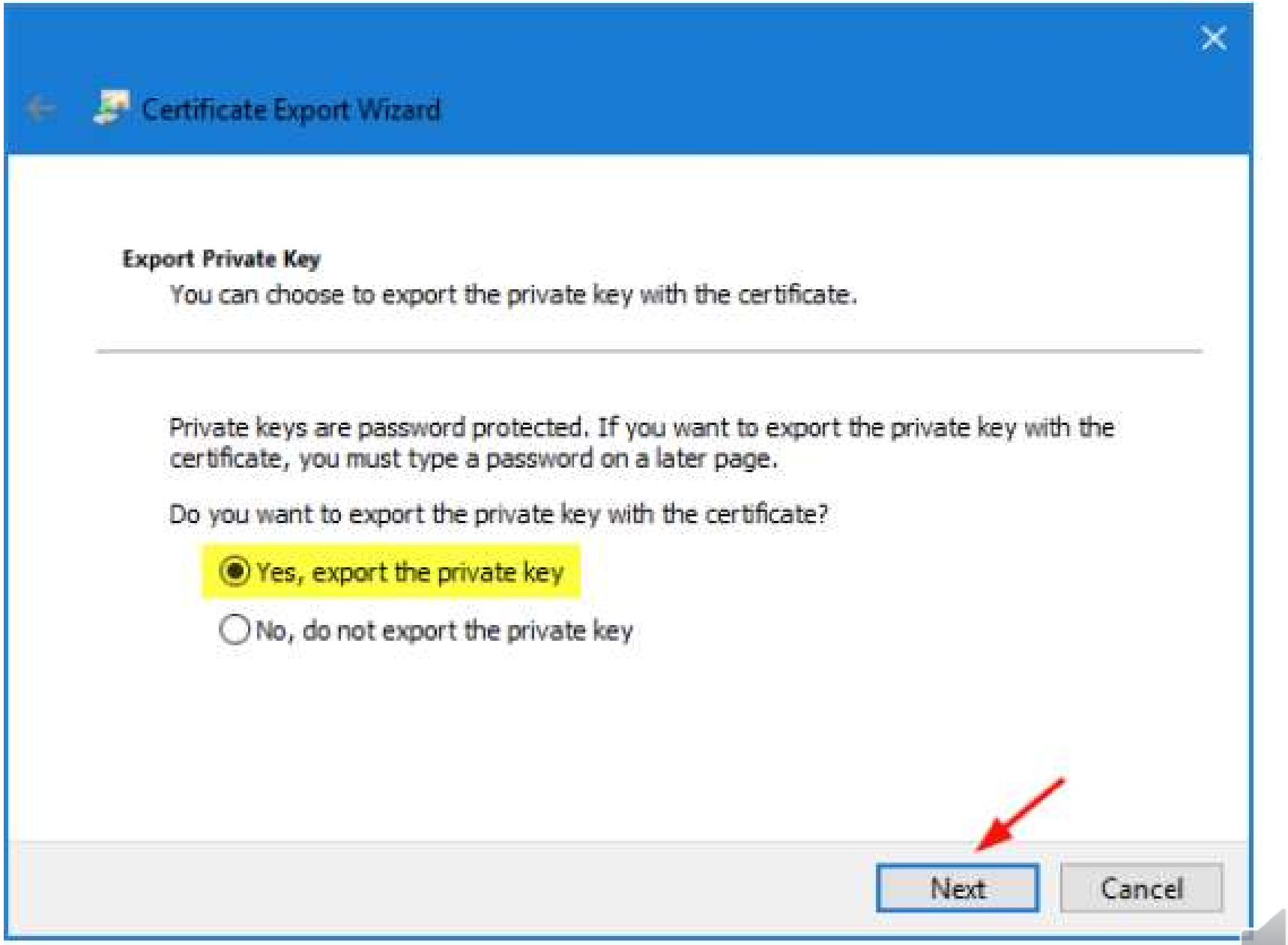
EFS

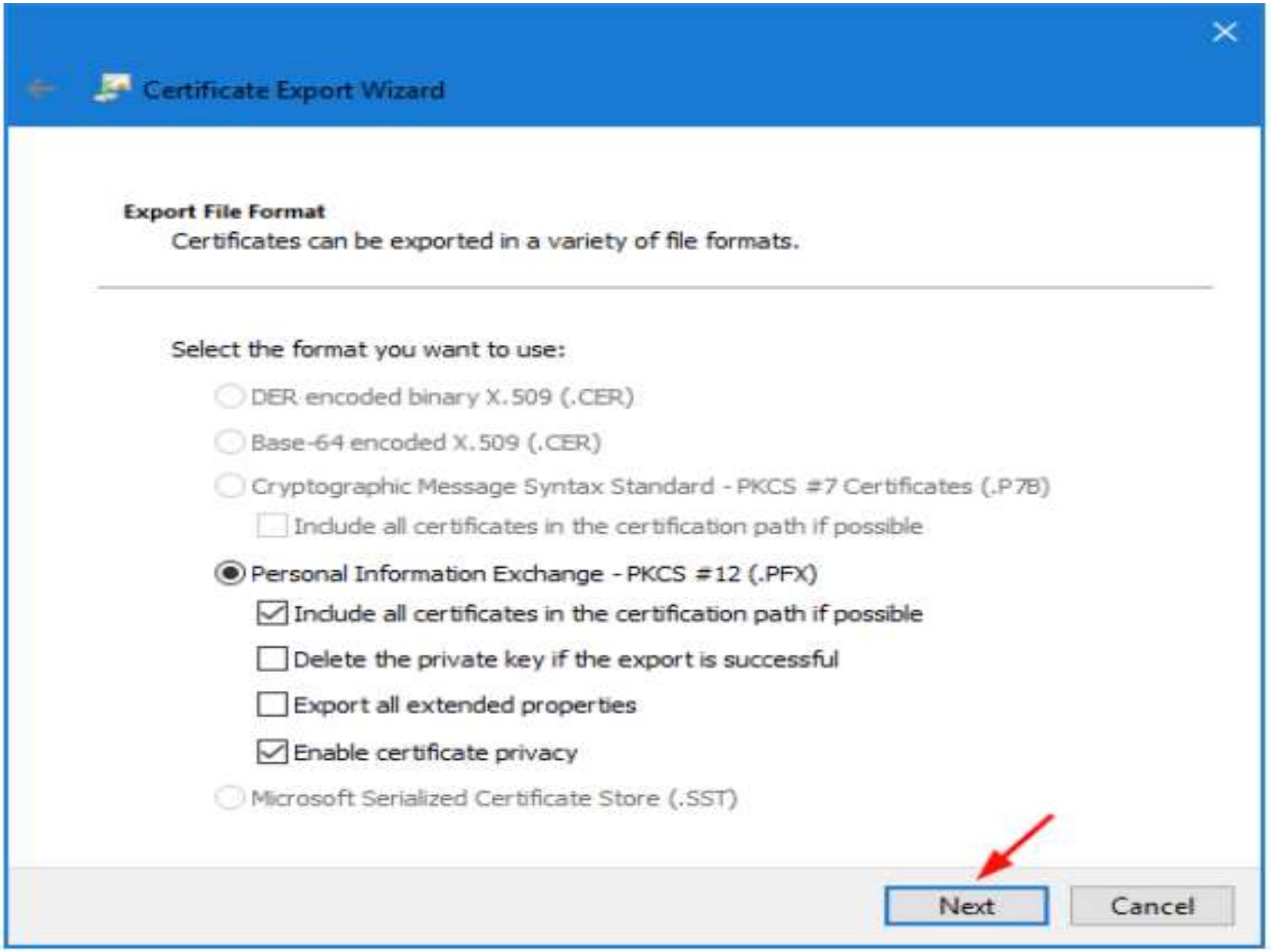


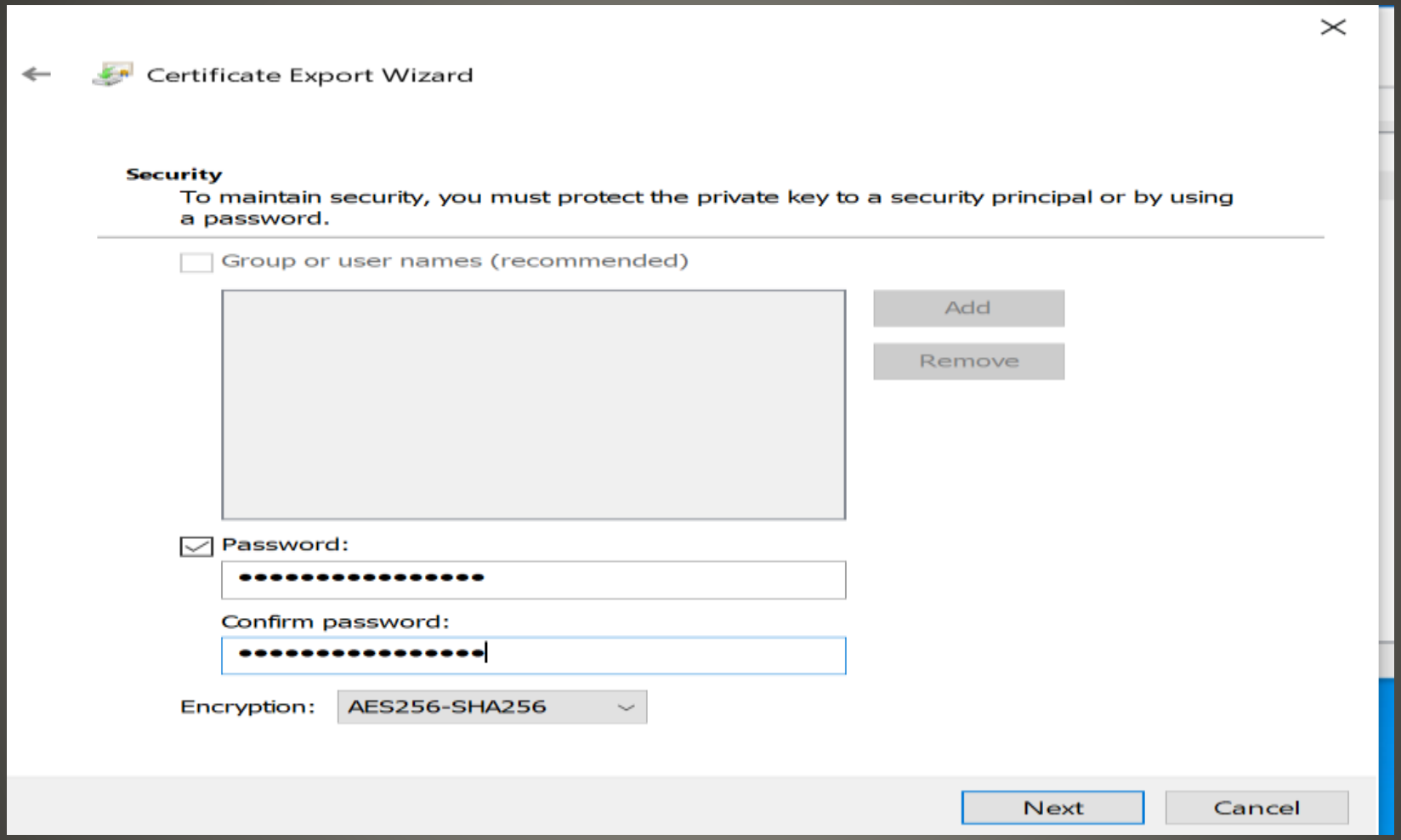
EFS Certificate to backup/export


certmgr - [Certificates - Current User\Personal\Certificates]
File
Action
View
Help
Certificates - Current User
Personal
Certificates
Trusted Root Certificati
Enterprise Trust
Intermediate Certificati
Active Directory User O
Trusted Publishers
Untrusted Certificates
Third-Party Root Certif
Trusted People
Issued To
Expiration Date
Intended Purposes
Jack
9/22/2117
Encrypting File System
Open
All Tasks
Cut
Copy
Delete
Properties
Help
Open
Request Certificate with New Key...
Renew Certificate with New Key...
Advanced Operations
Export...
Export a certificate

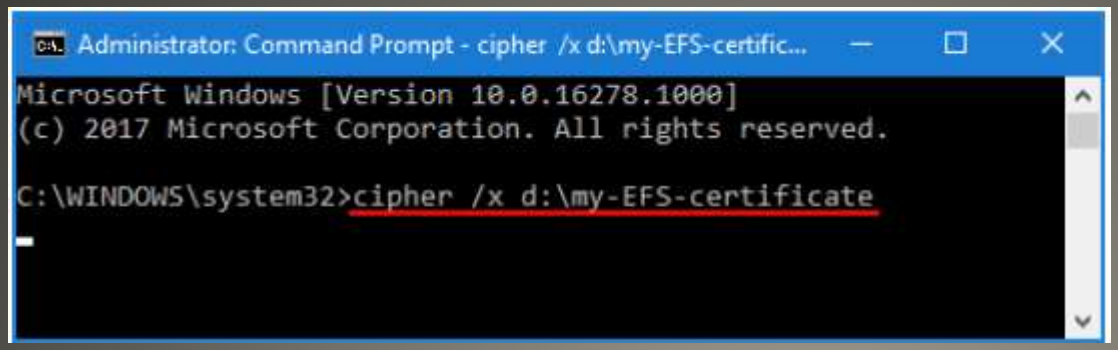

Certificate Export Wizard
Welcome to the Certificate Export Wizard
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
To continue, click Next.
Next
Cancel

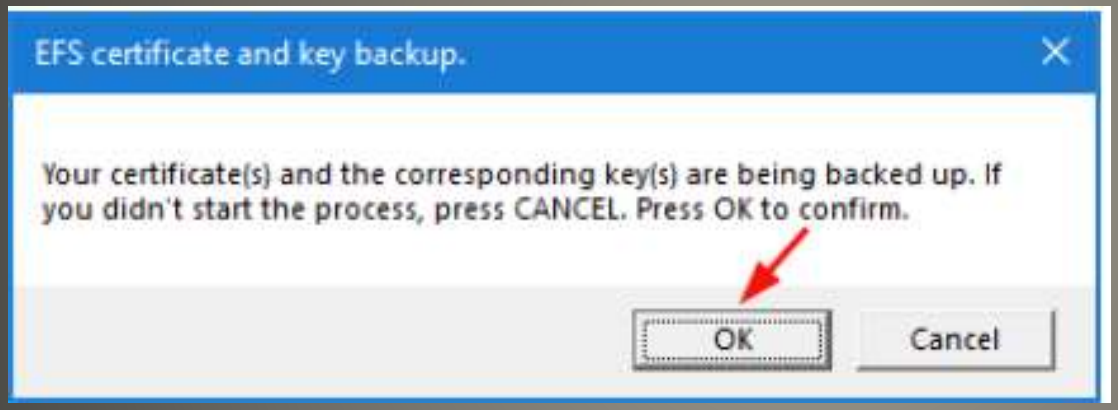

Certificate Export Wizard
Export Private Key
You can choose to export the private key with the certificate.
Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.
Do you want to export the private key with the certificate?
Yes, export the private key
No, do not export the private key
Next
Cancel


Certificate Export Wizard
Export File Format
Certificates can be exported in a variety of file formats.
Select the format you want to use:
DER encoded binary X.509 (.CER)
Base-64 encoded X.509 (.CER)
Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
Include all certificates in the certification path if possible
Personal Information Exchange - PKCS #12 (.PFX)
Include all certificates in the certification path if possible
Delete the private key if the export is successful
Export all extended properties
Enable certificate privacy
Microsoft Serialized Certificate Store (.SST)
Next
Cancel

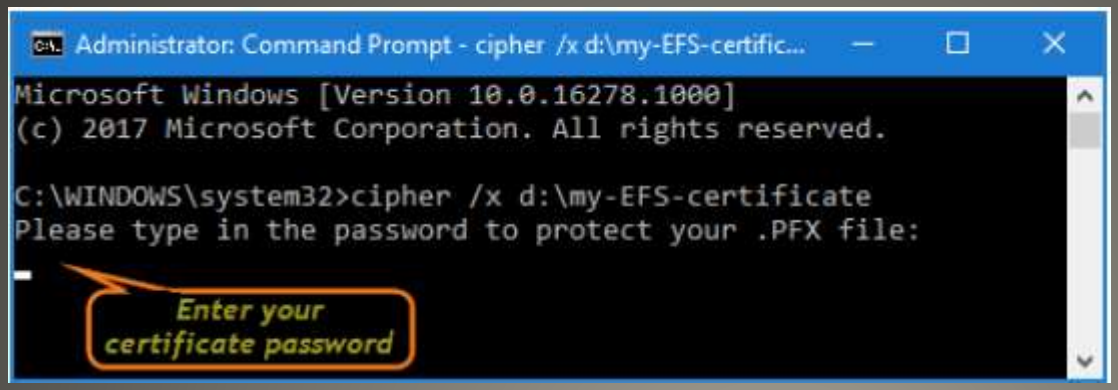


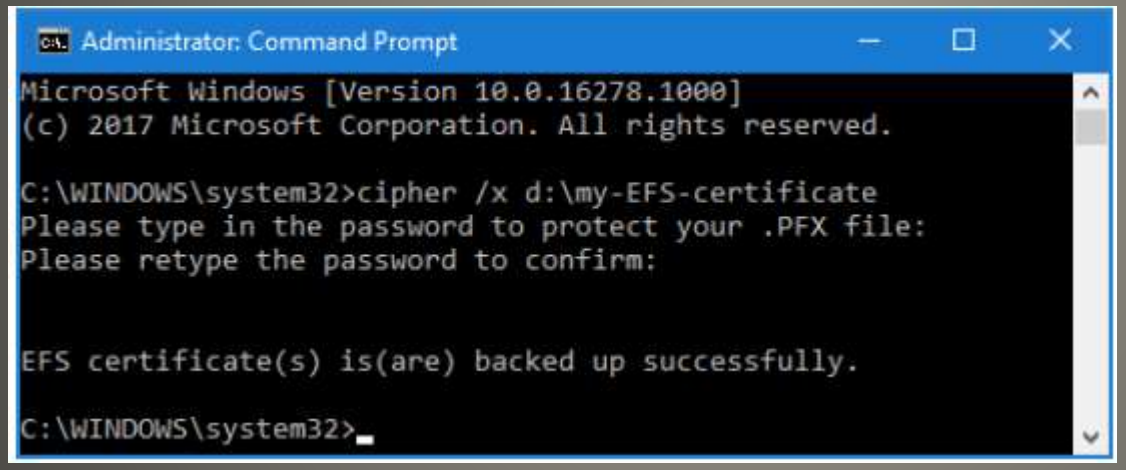
Select location and Finish

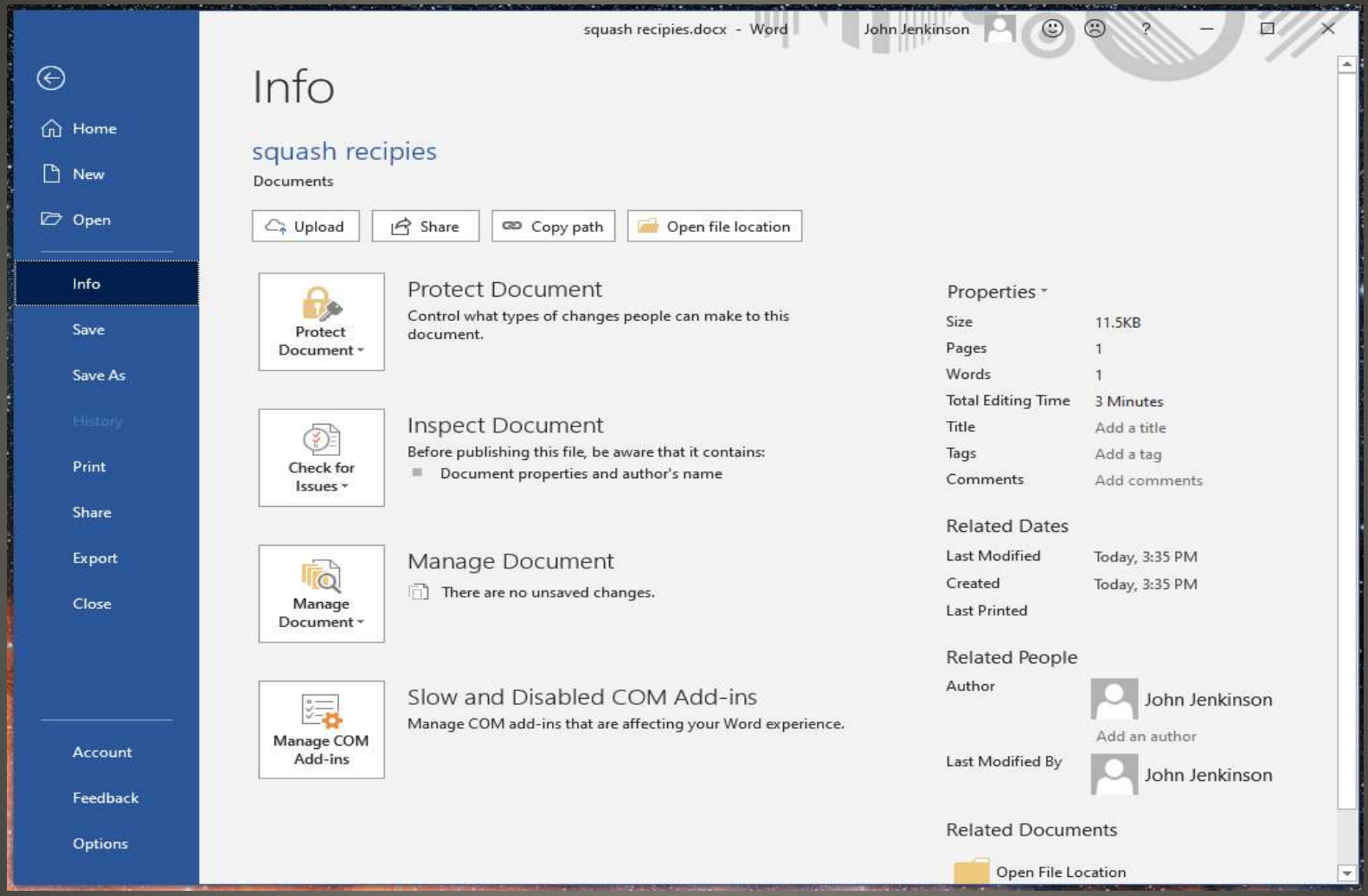




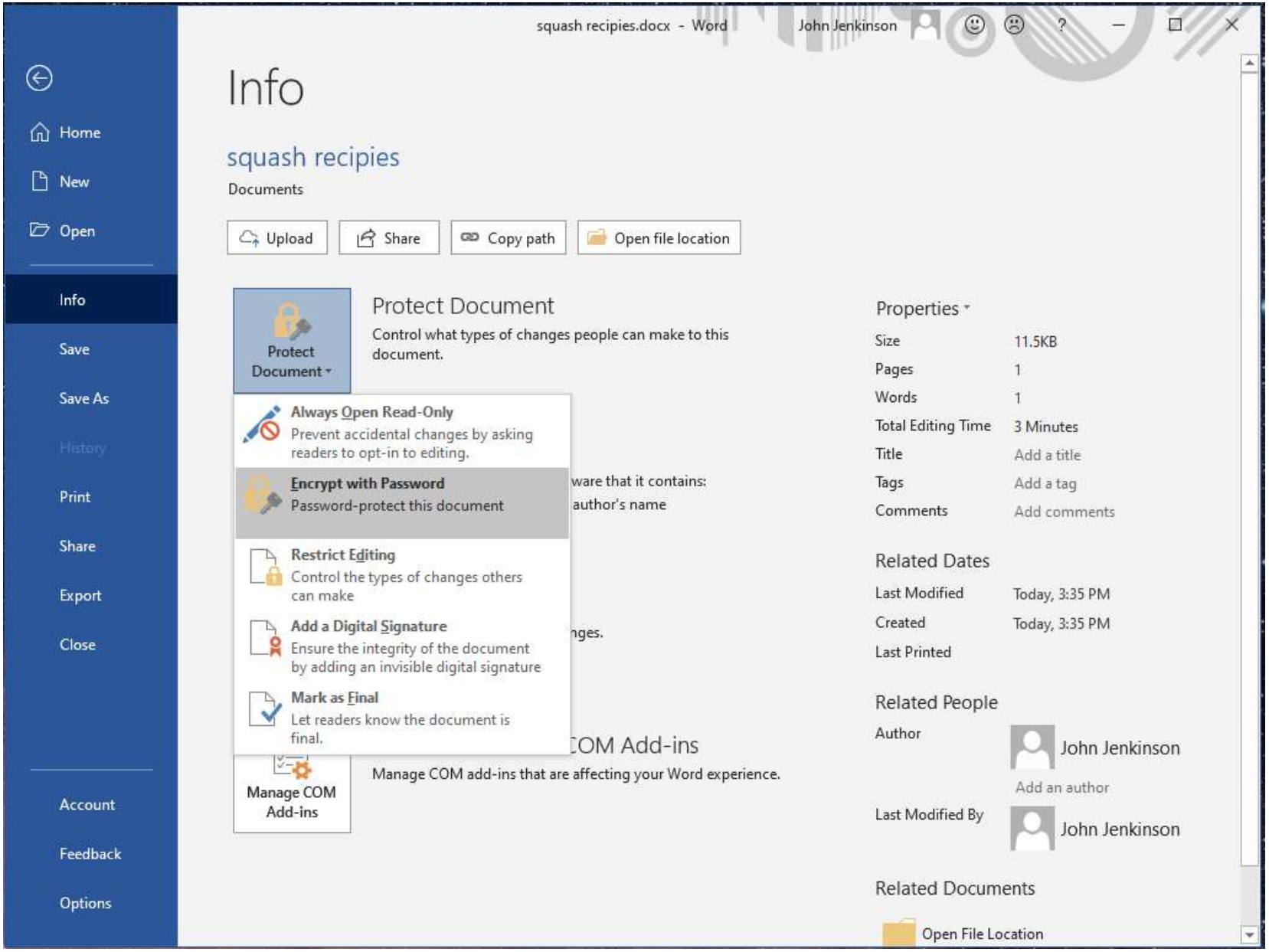
Or use Commands

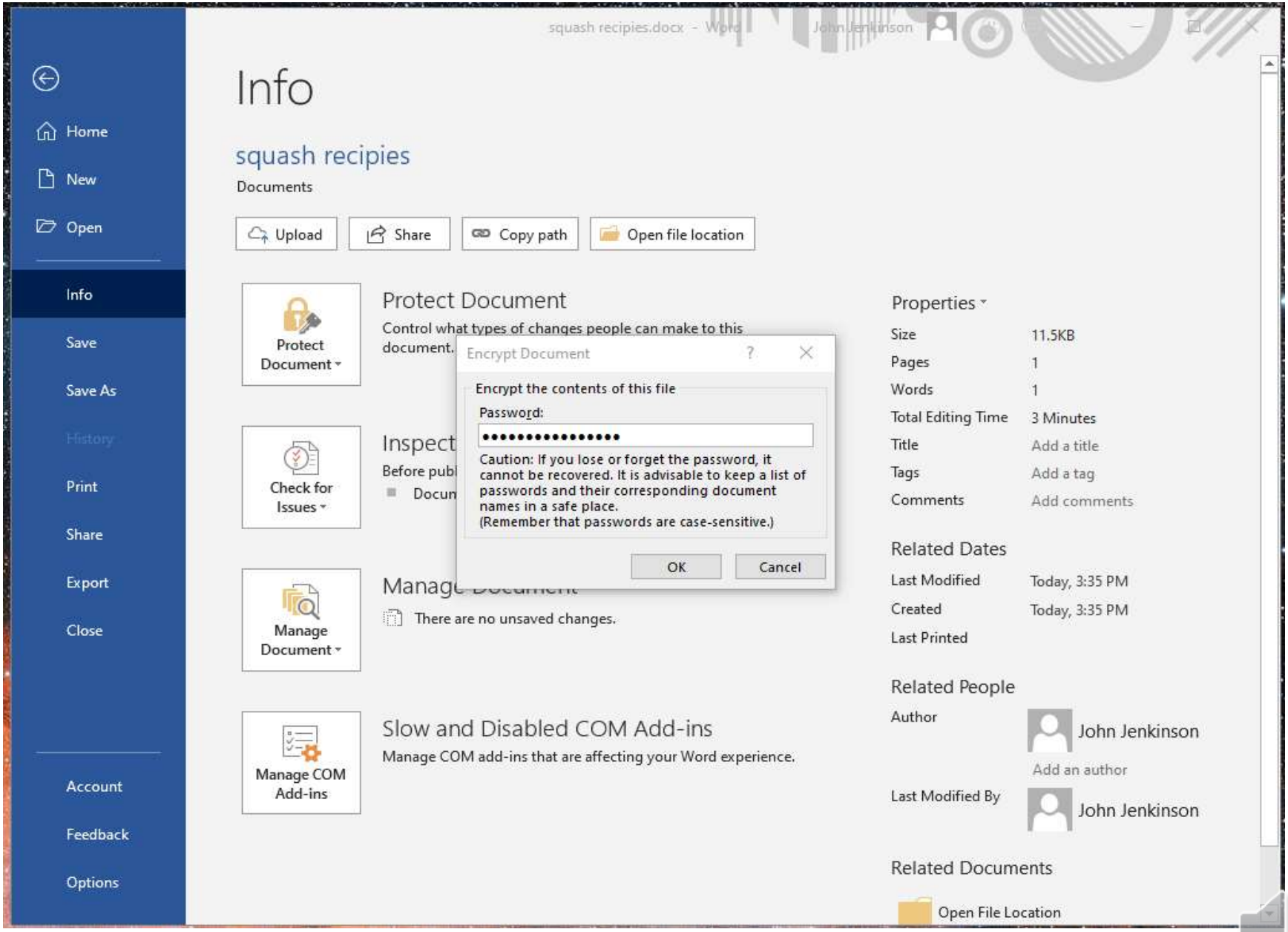

Administrator: Command Prompt - cipher /x d:\my-EFS-certific...
Microsoft Windows [Version 10.0.16278.1000]
(c) 2017 Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>cipher /x d:\my-EFS-certificate
Please type in the password to protect your .PFX file:
Enter your certificate password


Administrator: Command Prompt
Microsoft Windows [Version 10.0.16278.1000]
(c) 2017 Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>cipher /x d:\my-EFS-certificate
Please type in the password to protect your .PFX file:
Please retype the password to confirm:
EFS certificate(s) is(are) backed up successfully.
C:\WINDOWS\system32>



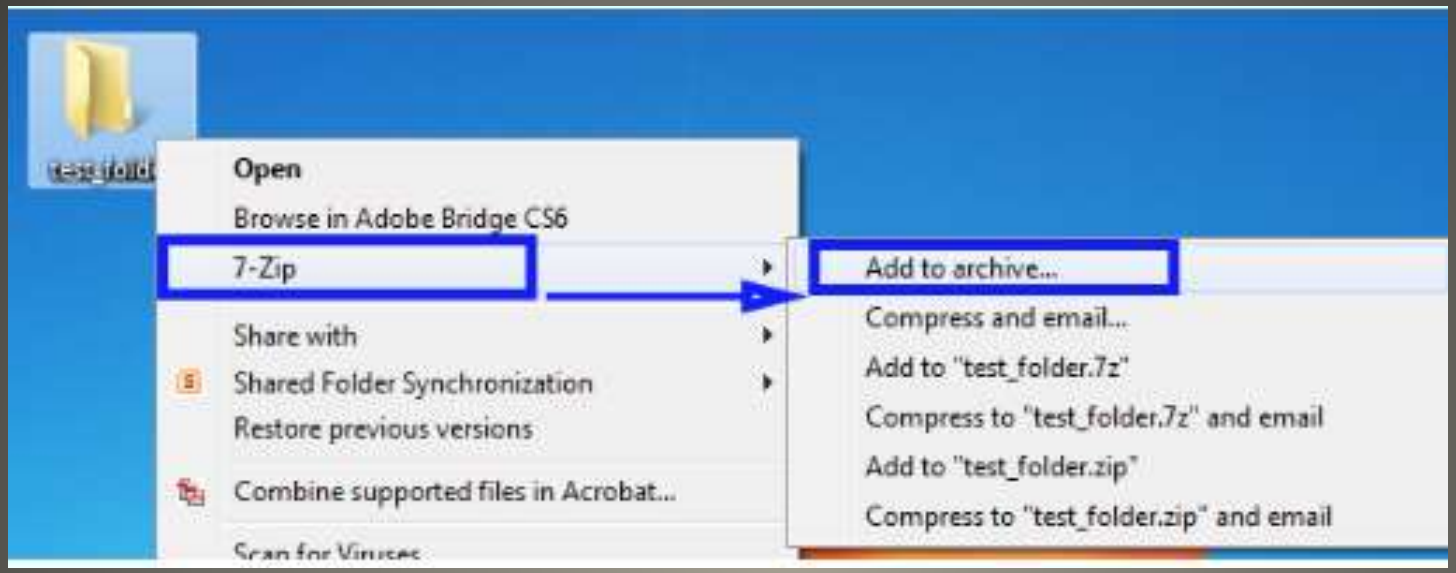
Office Document Password Protect


squash recipies.docx - Word
John Jenkinson
Info
Home
New
Open
Info
Save
Save As
History
Print
Share
Export
Close
Account
Feedback
Options
squash recipies
Documents
Upload
Share
Copy path
Open file location
Protect Document
Protect Document
Control what types of changes people can make to this document.
Always Open Read-Only
Prevent accidental changes by asking readers to opt-in to editing.
Encrypt with Password
Password-protect this document
Restrict Editing
Control the types of changes others can make
Add a Digital Signature
Ensure the integrity of the document by adding an invisible digital signature
Mark as Final
Let readers know the document is final.
ware that it contains:
author's name
nges.
COM Add-ins
Manage COM Add-ins
Manage COM add-ins that are affecting your Word experience.
Properties
Size 11.5KB
Pages 1
Words 1
Total Editing Time 3 Minutes
Title Add a title
Tags Add a tag
Comments Add comments
Related Dates
Last Modified Today, 3:35 PM
Created Today, 3:35 PM
Last Printed
Related People
Author John Jenkinson
Add an author
Last Modified By John Jenkinson
Related Documents
Open File Location


squash recipies.docx - Word
John Jenkinson
Info
Home
New
Open
Info
Save
Save As
History
Print
Share
Export
Close
Account
Feedback
Options
squash recipies
Documents
Upload
Share
Copy path
Open file location
Protect Document
Protect Document
Control what types of changes people can make to this document.
Check for Issues
Inspect
Before publ
Docun
Manage Document
Manage
There are no unsaved changes.
Manage COM Add-ins
Slow and Disabled COM Add-ins
Manage COM add-ins that are affecting your Word experience.
Encrypt Document
Encrypt the contents of this file
Password:
Caution: If you lose or forget the password, it cannot be recovered. It is advisable to keep a list of passwords and their corresponding document names in a safe place.
(Remember that passwords are case-sensitive.)
OK
Cancel
Properties
Size 11.5KB
Pages 1
Words 1
Total Editing Time 3 Minutes
Title Add a title
Tags Add a tag
Comments Add comments
Related Dates
Last Modified Today, 3:35 PM
Created Today, 3:35 PM
Last Printed
Related People
Author John Jenkinson
Add an author
Last Modified By John Jenkinson
Related Documents
Open File Location

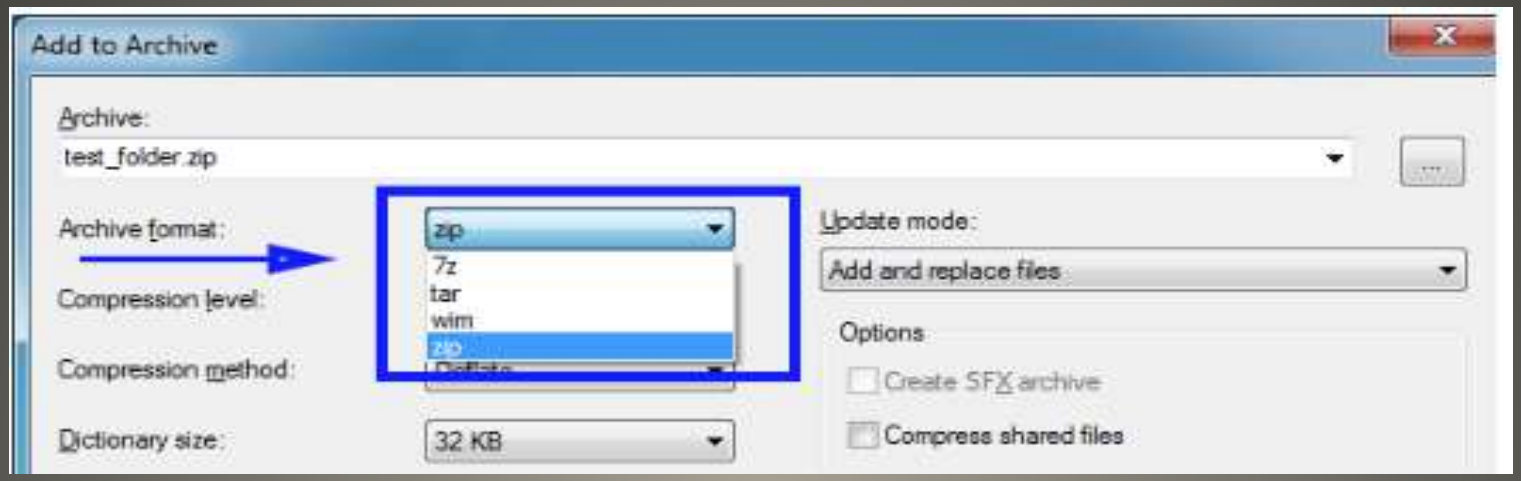
- No EFS
- Internet scripts
- WinRAR
- 7-Zip
- Microsoft Store

Windows 10 Home

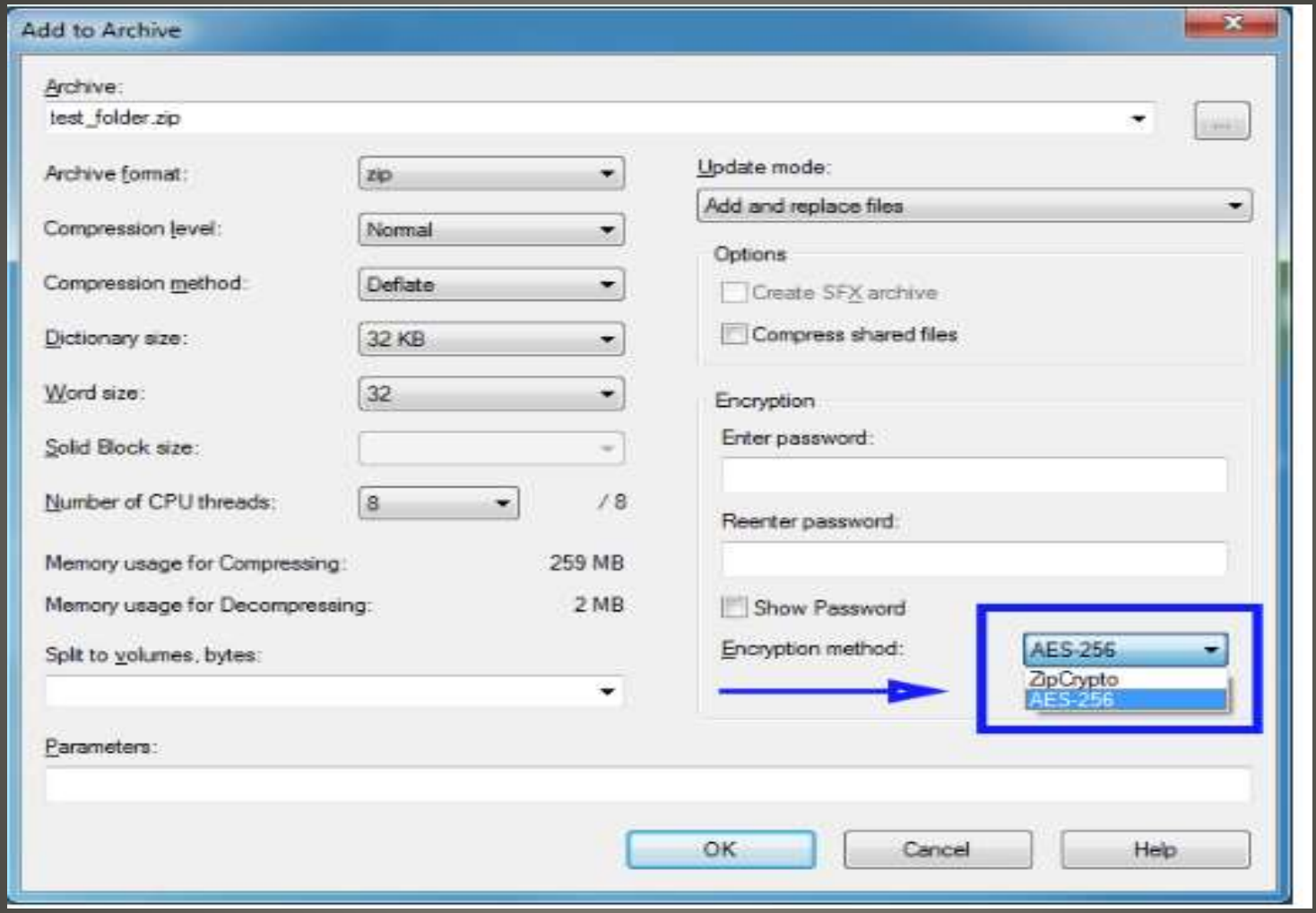

Open
Browse in Adobe Bridge CS6
7-Zip
Share with
Shared Folder Synchronization
Restore previous versions
Combine supported files in Acrobat...
Add to archive...
Compress and email...
Add to "test_folder.7z"
Compress to "test_folder.7z" and email
Add to "test_folder.zip"
Compress to "test_folder.zip" and email

Add to Archive
Archive:
test_folder.zip

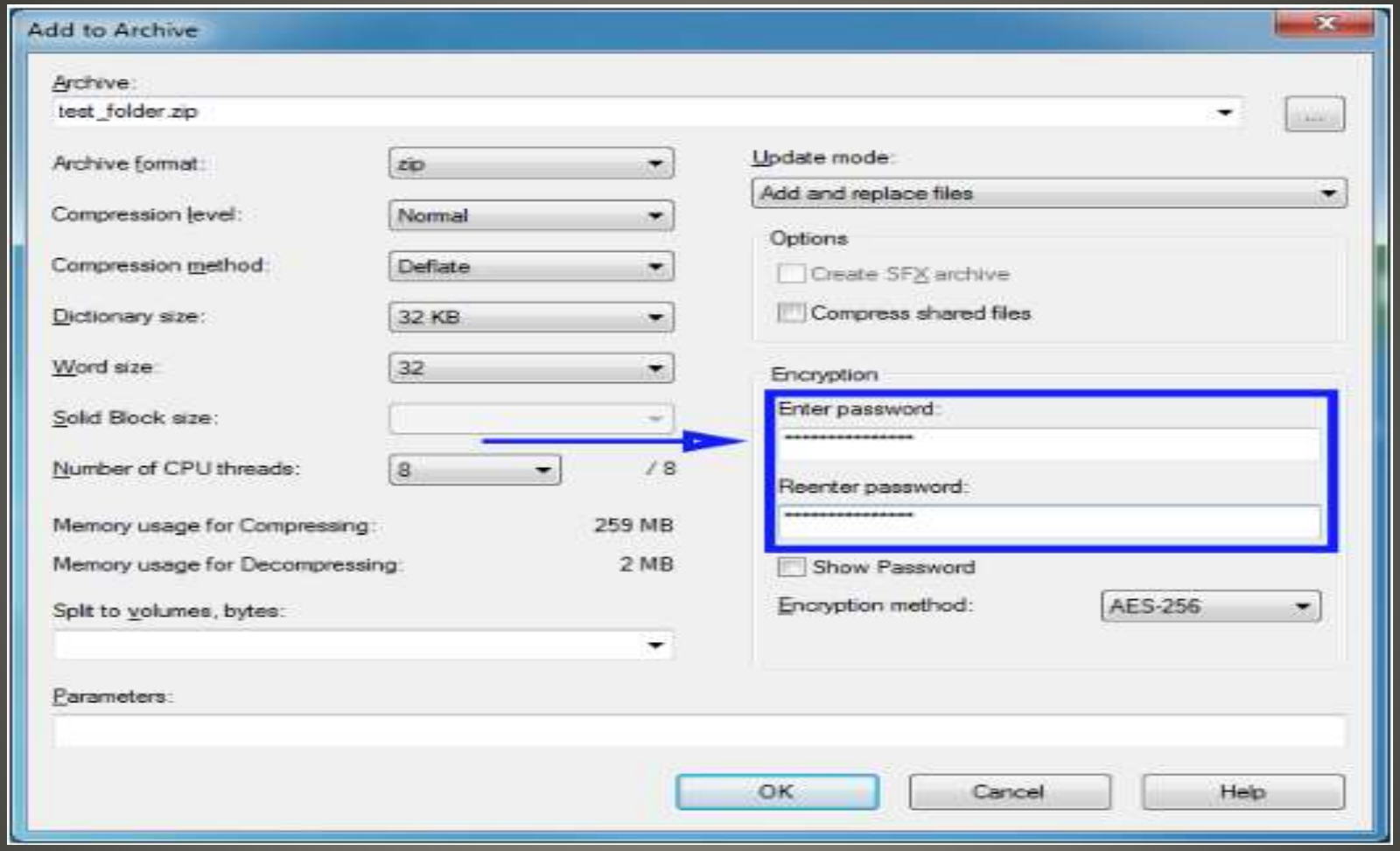
7-Zip


Add to Archive
Archive:
test_folder.zip
Archive format:
zip
7z
tar
wim
zip
Compression level:
Compression method:
Dictionary size:
32 KB
Update mode:
Add and replace files
Options
Create SFX archive
Compress shared files

7-Zip


Add to Archive
Archive:
test_folder.zip
Archive format:
zip
Compression level:
Normal
Compression method:
Deflate
Dictionary size:
32 KB
Word size:
32
Solid Block size:
Number of CPU threads:
8
/ 8
Memory usage for Compressing:
259 MB
Memory usage for Decompressing:
2 MB
Split to volumes, bytes:
Parameters:
Update mode:
Add and replace files
Options
Create SFX archive
Compress shared files
Encryption
Enter password:
Reenter password:
Show Password
Encryption method:
AES-256
ZipCrypto
AES-256
OK
Cancel
Help

7-Zip


Add to Archive
Archive:
test_folder.zip
Archive format:
zip
Compression level:
Normal
Compression method:
Deflate
Dictionary size:
32 KB
Word size:
32
Solid Block size:
Number of CPU threads:
8
/ 8
Memory usage for Compressing:
259 MB
Memory usage for Decompressing:
2 MB
Split to volumes, bytes:
Parameters:
Update mode:
Add and replace files
Options
Create SFX archive
Compress shared files
Encryption
Enter password:
Reenter password:
Show Password
Encryption method:
AES-256
OK
Cancel
Help

7-Zip

Encryption

- Secure PII
- Communicate decryption passphrase out of band
- Consider the disposition of original
- TWO EDGED SWORD
- Protection from any/everyone without passcode
- Can include you!

- None of us are as experienced as all of us
- Awareness, Preparedness, Understanding
- Participate
- Topic Suggestions
- Questions: scccwindows@gmail.com