



PC Maintenance

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Types of Maintenance

- Boot Speed
- Computer Maintenance



Boot Speed

- Number of Programs Loading
 - msconfig
 - CCleaner
 - Revo Uninstaller

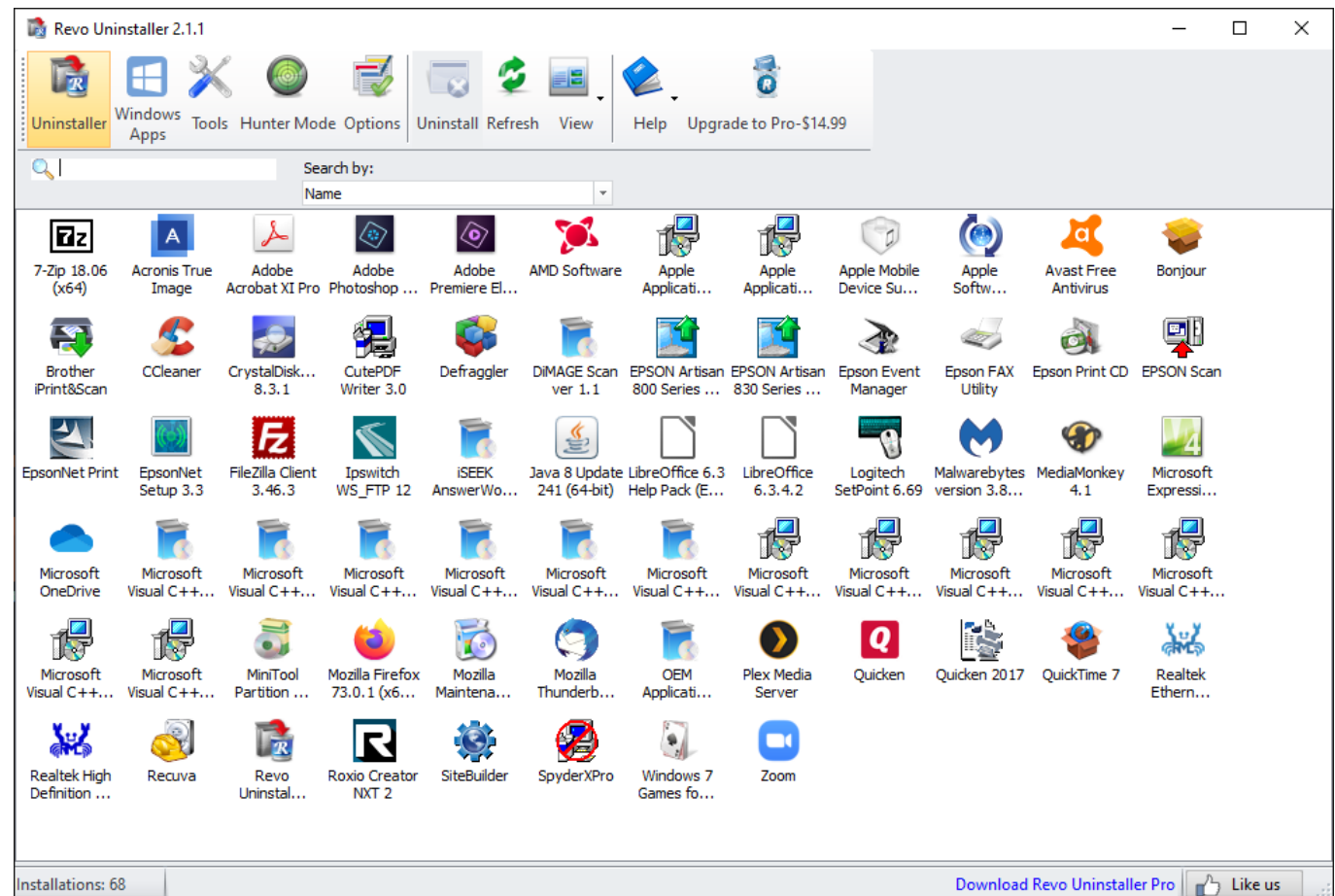


Revo Uninstaller

- Download from Site
 - See handout

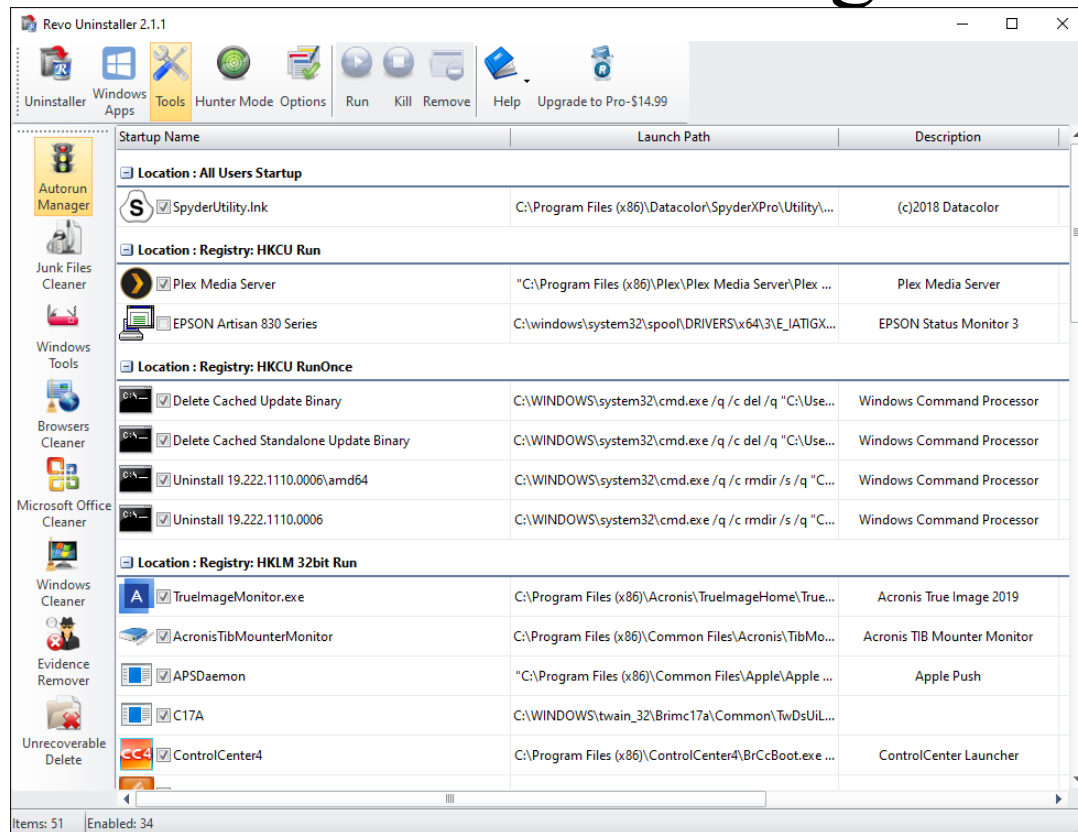
Revo Uninstaller

- Double click the Revo icon



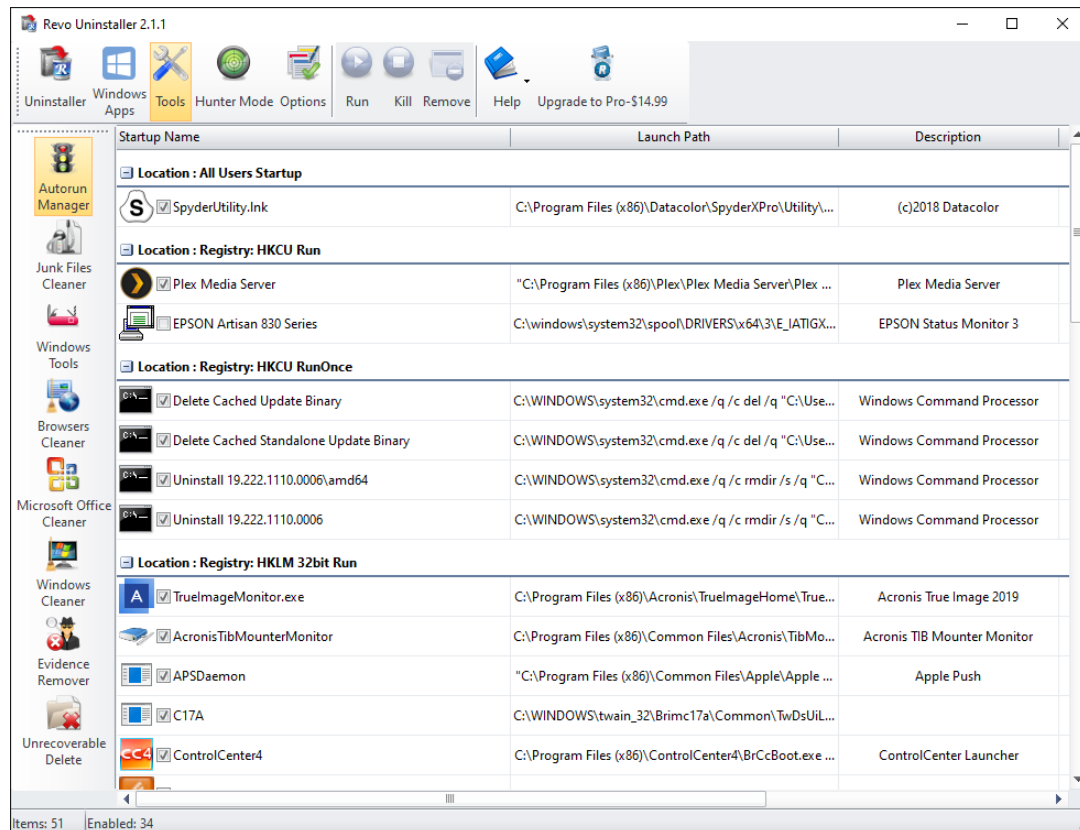
Revo Uninstaller

- Click on Tools Button
- Click on Autorun Manager Button



Revo Uninstaller

- Uncheck to Remove from Start
- Right Click to Google





Computer Maintenance

- Unused Programs
- Remove Junk
- Disk Maintenance
- Disk Fragmentation

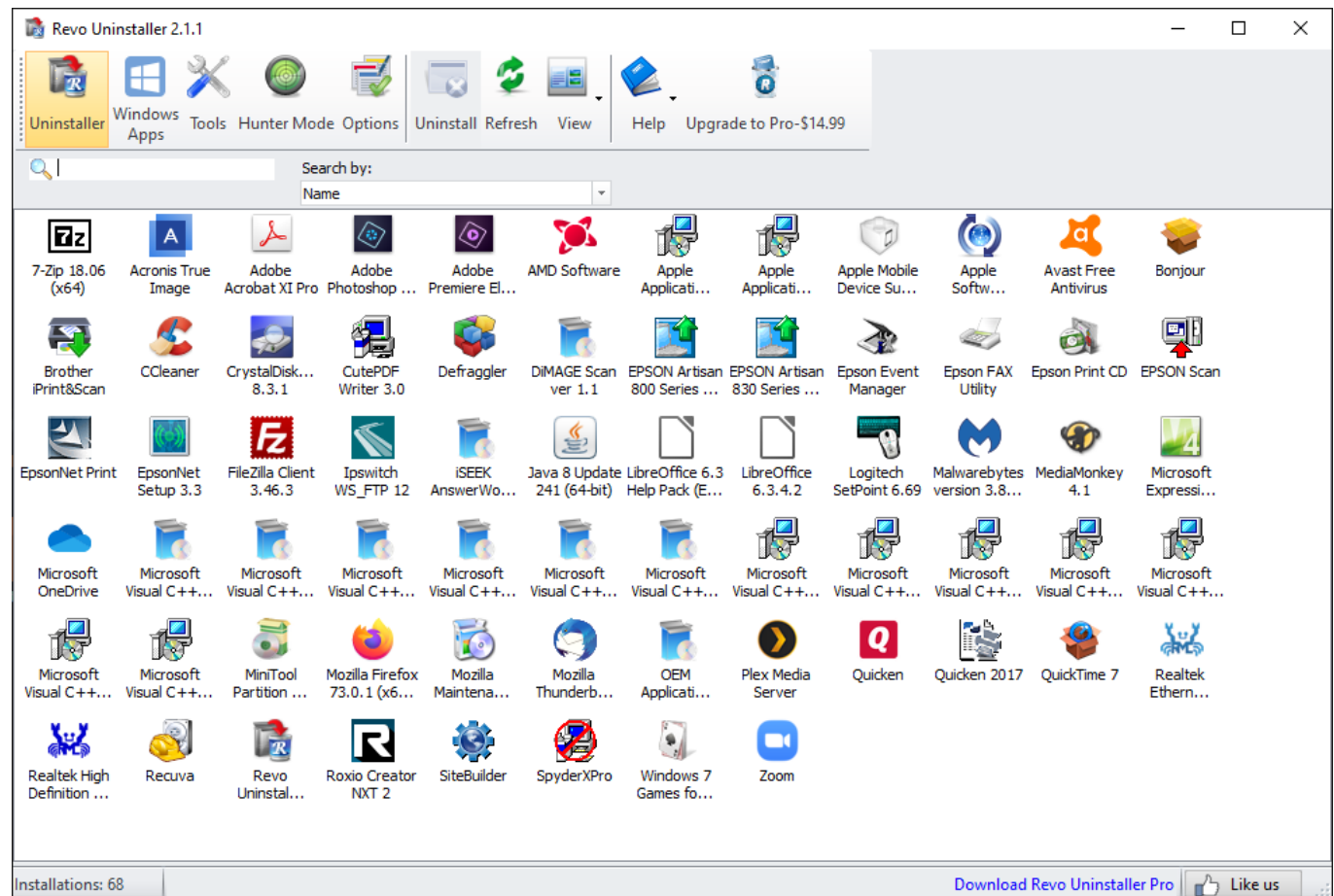


• Unused Programs

- Windows Control Panel
 - Programs and Features
- CCleaner
- Revo Uninstaller

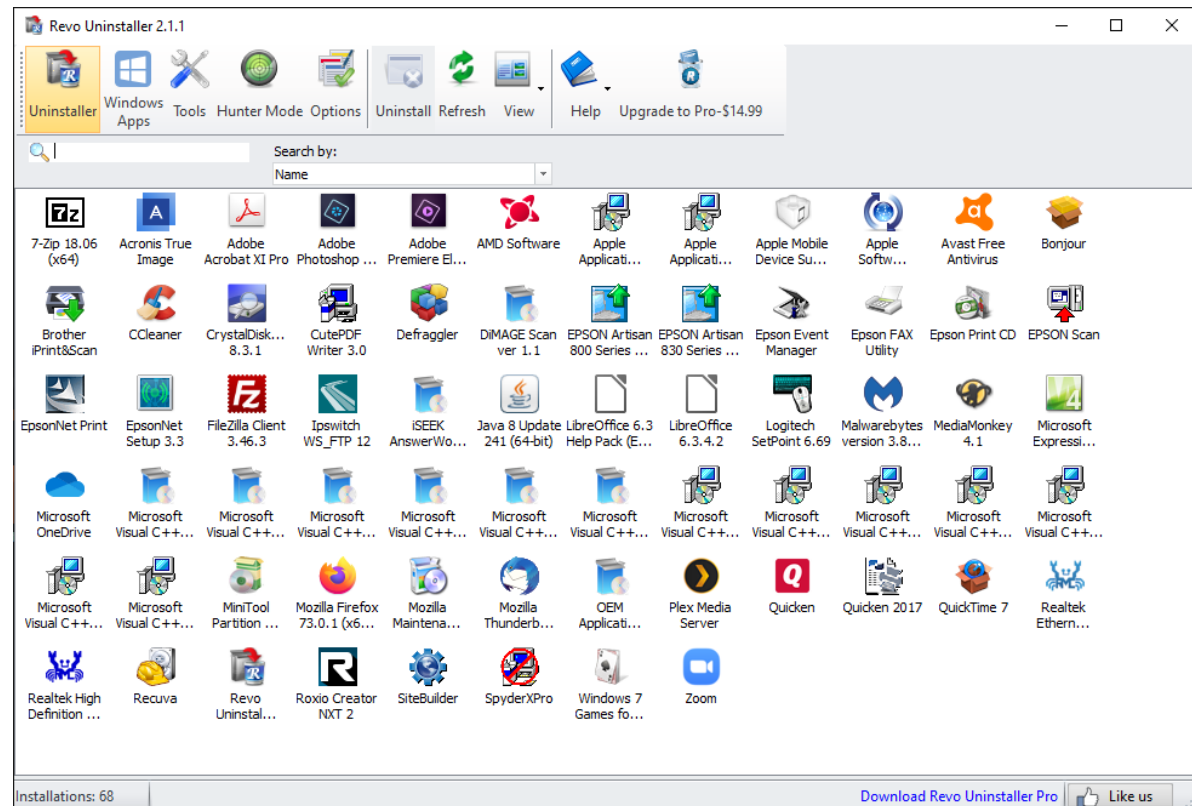
Revo Uninstaller

- Double click the icon



Revo Uninstaller

- Select a program to Uninstall
- Right Click to Google



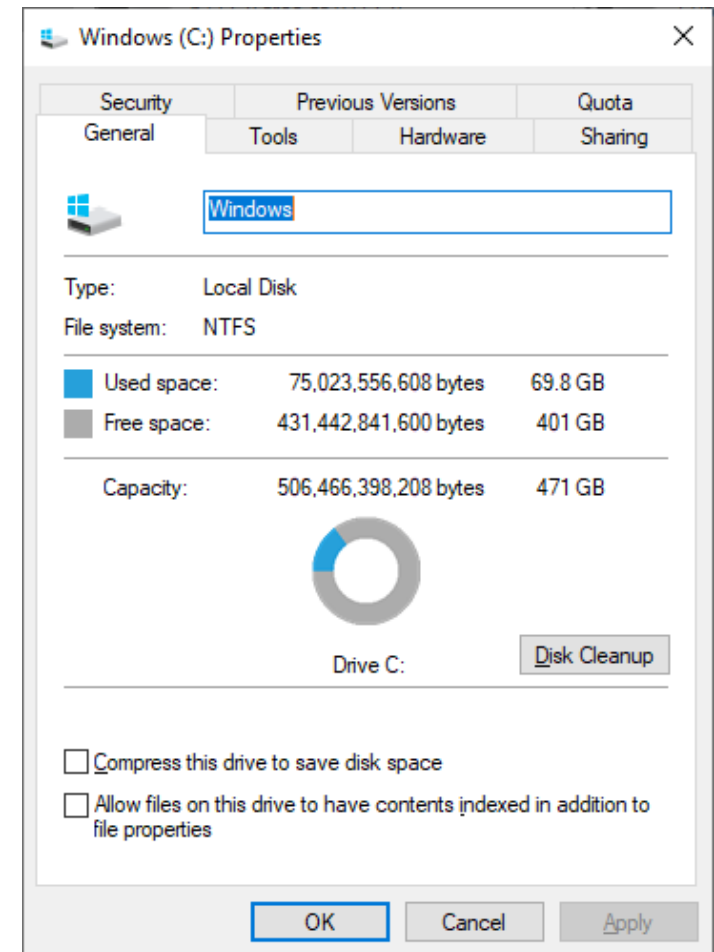


• Remove Junk

- Windows Disk Cleanup
- CCleaner
- Revo Uninstaller

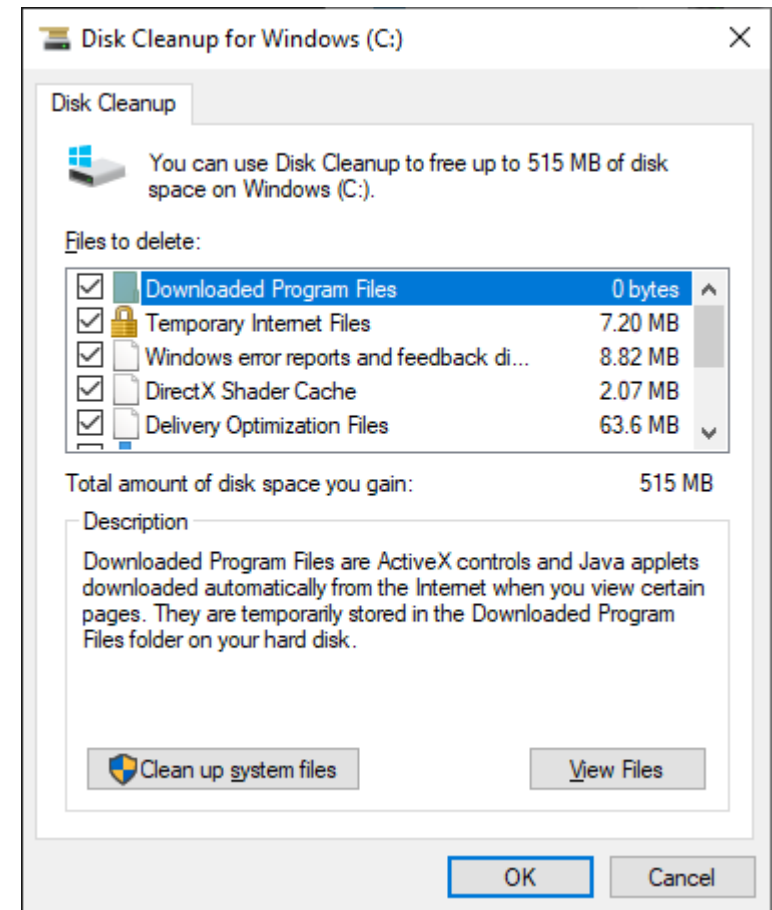
• Windows Disk Cleanup

- Start in Windows 7
 - Start->All Programs->Accessories->System Tools->Disk Cleanup
- Start in Windows 8 & 10
 - Click on This PC icon
 - Right Click on Local Disk (C:)
 - Click on Properties
 - Click on “Disk Cleanup” button



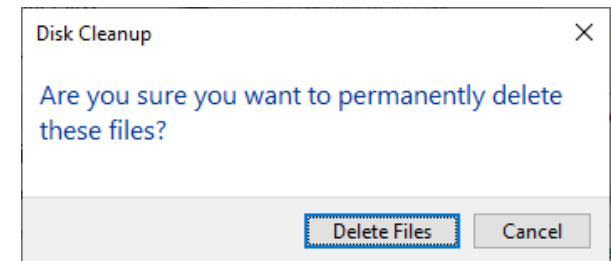
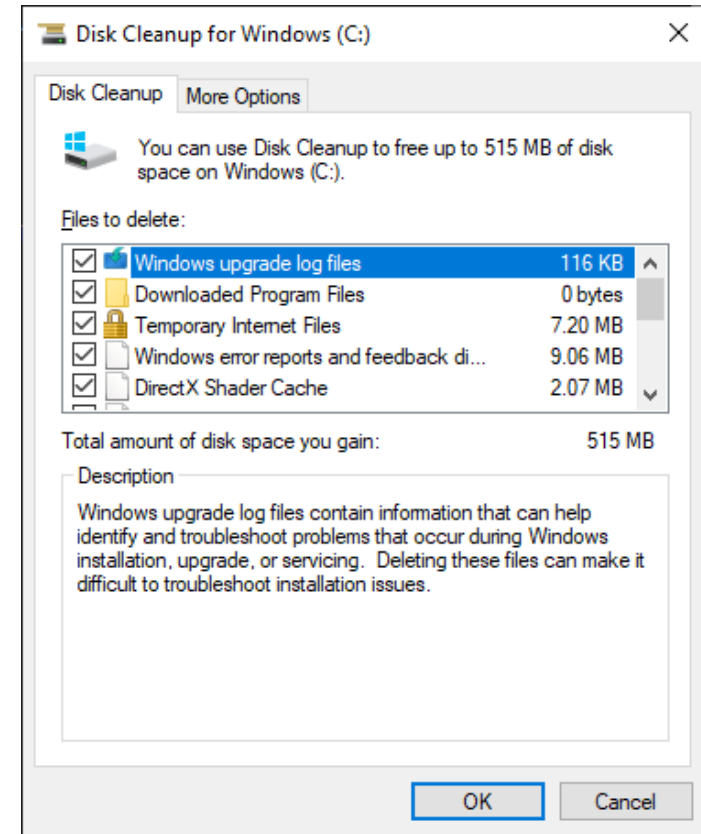
• Windows Disk Cleanup

- If “Clean up System files” button is shown
- Click on it



• Windows Disk Cleanup

- Check all boxes then Click OK
- Click Delete Files



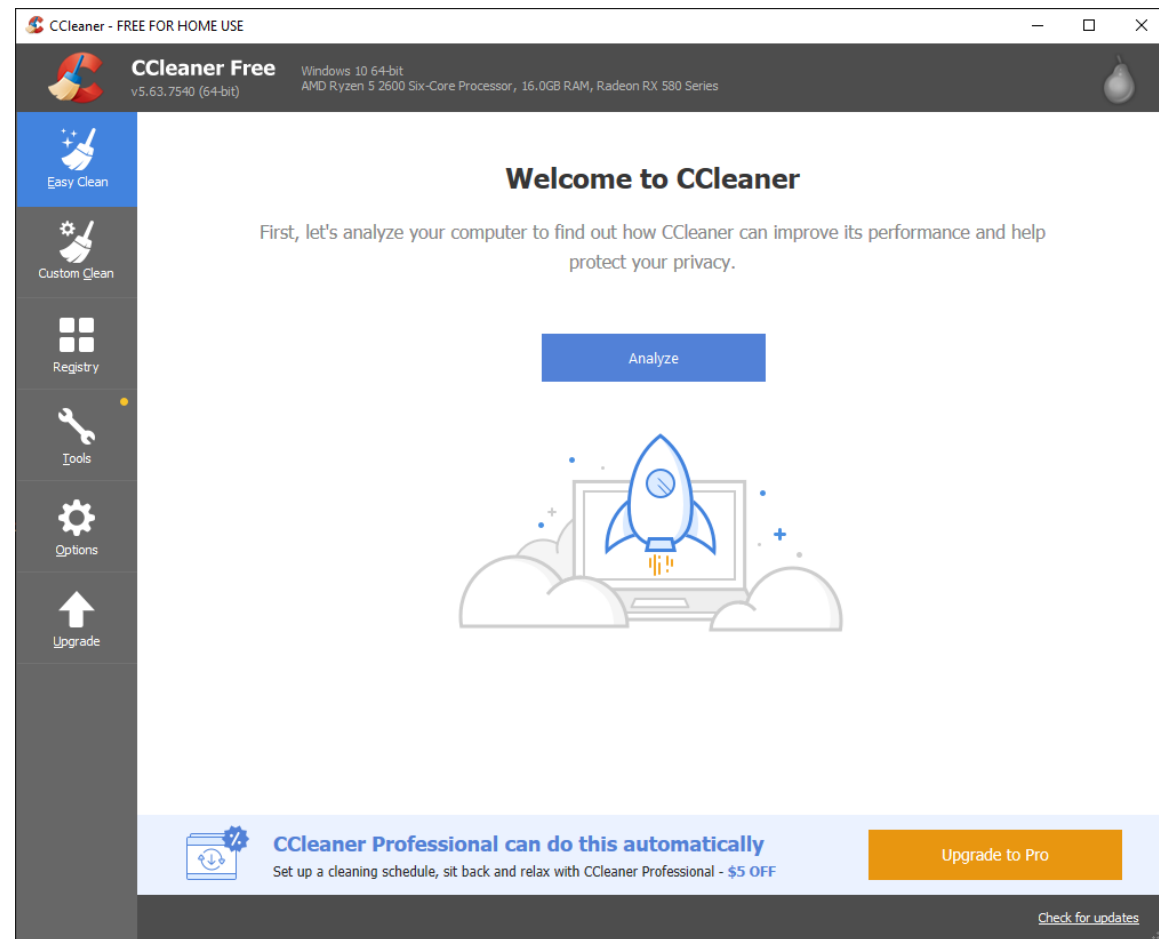


CCleaner

- Download from Site
 - See handout

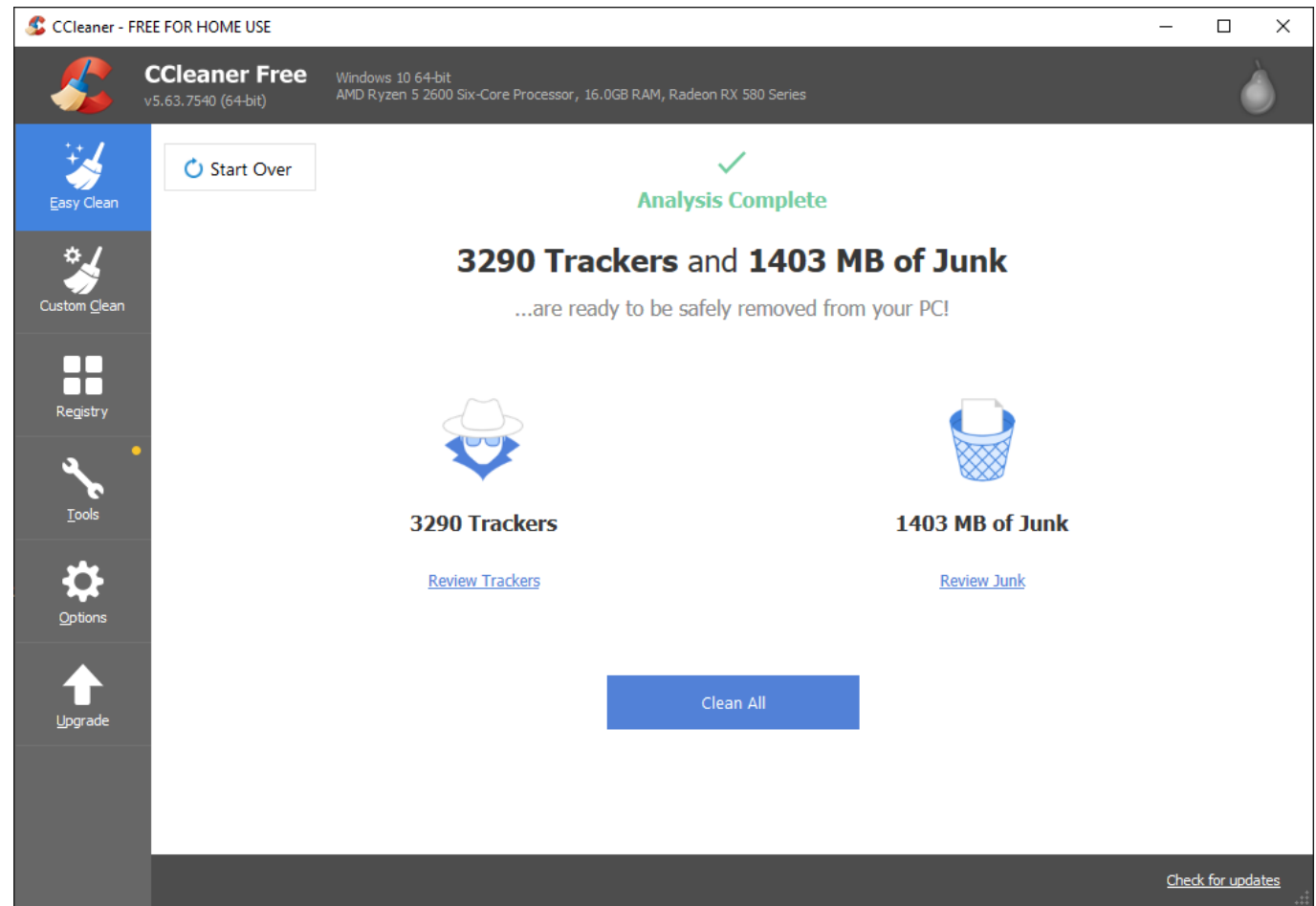
CCleaner

- In Easy Clean Click on Analyze



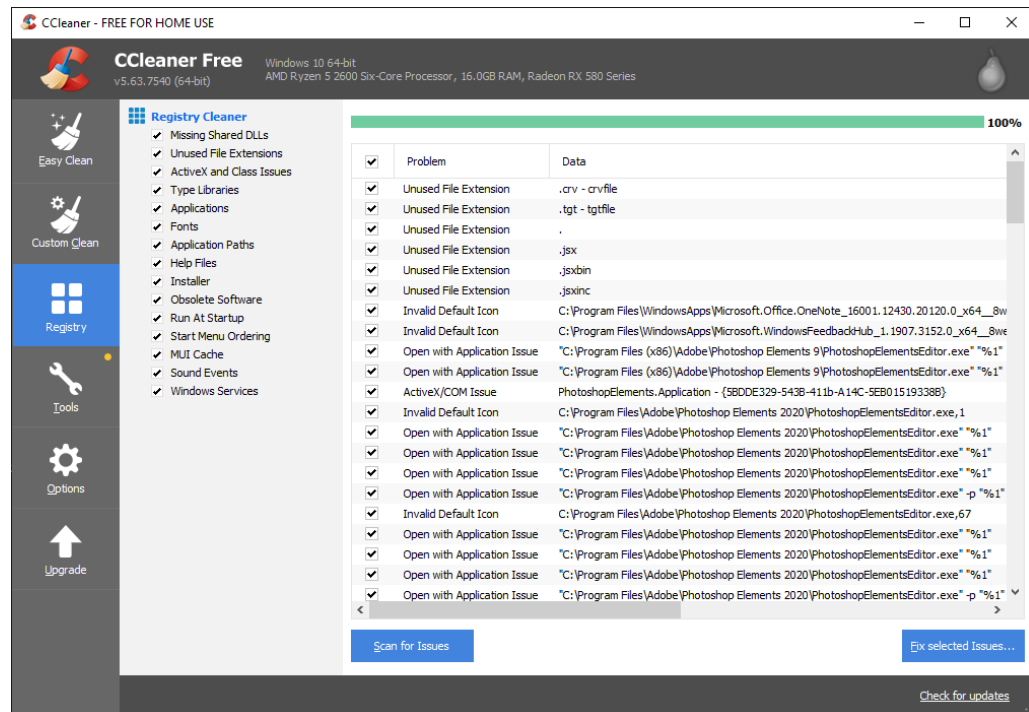
CCleaner

- Click on Clean All button



CCleaner

- Select Registry then “Scan for Issues”
- Click on “Fix selected issues...”
- Select not to Backup Registry
- Select “Fix All Selected Issues”





• Disk Fragmentation

- Windows Defragment Program
 - Not Complete
- Defraggler

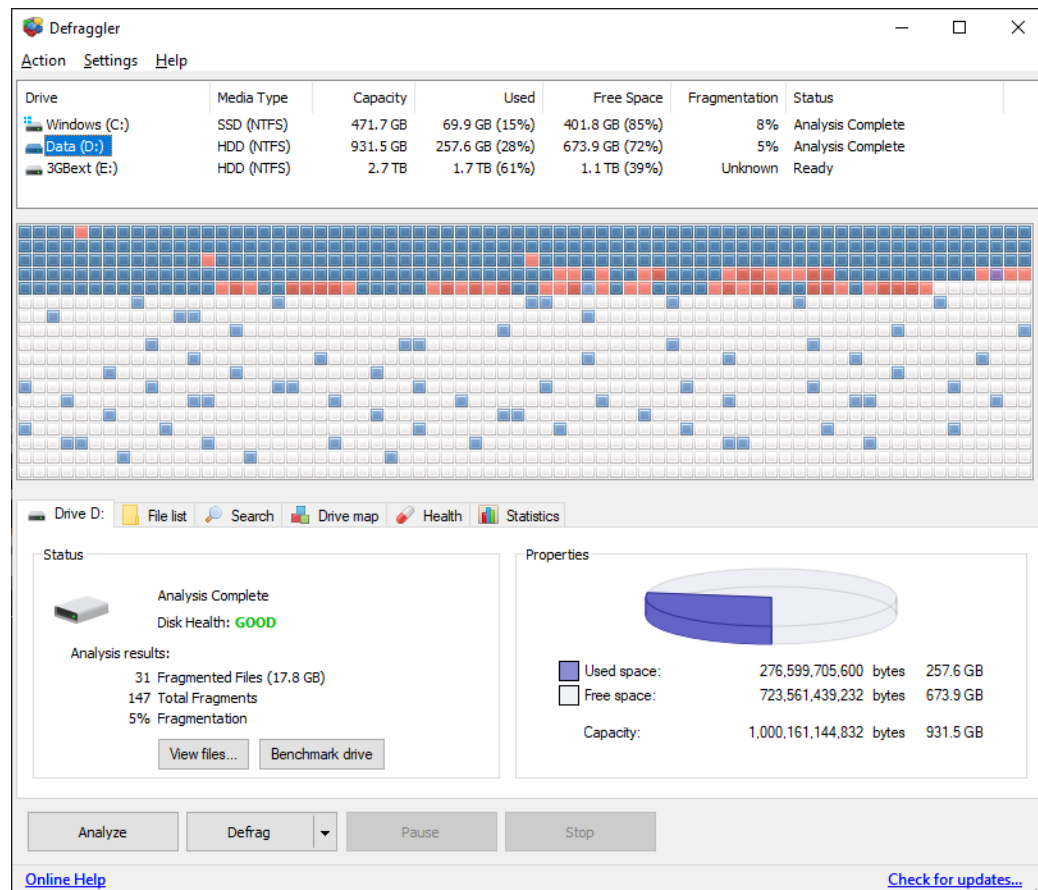


- Defraggler

- Download from Site
 - See handout

• Defraggler

- Double Click Defraggler Icon



The screenshot displays the Defraggler application window. At the top, there is a menu bar with 'Action', 'Settings', and 'Help'. Below this is a table listing the drives being analyzed:

Drive	Media Type	Capacity	Used	Free Space	Fragmentation	Status
Windows (C:)	SSD (NTFS)	471.7 GB	69.9 GB (15%)	401.8 GB (85%)	8%	Analysis Complete
Data (D:)	HDD (NTFS)	931.5 GB	257.6 GB (28%)	673.9 GB (72%)	5%	Analysis Complete
3GBext (E:)	HDD (NTFS)	2.7 TB	1.7 TB (61%)	1.1 TB (39%)	Unknown	Ready

Below the table is a visualization of the drive's fragmentation, showing a grid of blue and red blocks representing file fragments. The 'Data (D:)' drive is selected, and the interface shows its status and properties.

Status: Analysis Complete, Disk Health: **GOOD**

Analysis results:
31 Fragmented Files (17.8 GB)
147 Total Fragments
5% Fragmentation

Properties:

Used space:	276,599,705,600 bytes	257.6 GB
Free space:	723,561,439,232 bytes	673.9 GB
Capacity:	1,000,161,144,832 bytes	931.5 GB

At the bottom of the window, there are buttons for 'Analyze', 'Defrag', 'Pause', and 'Stop'. There is also an 'Online Help' link and a 'Check for updates...' link.



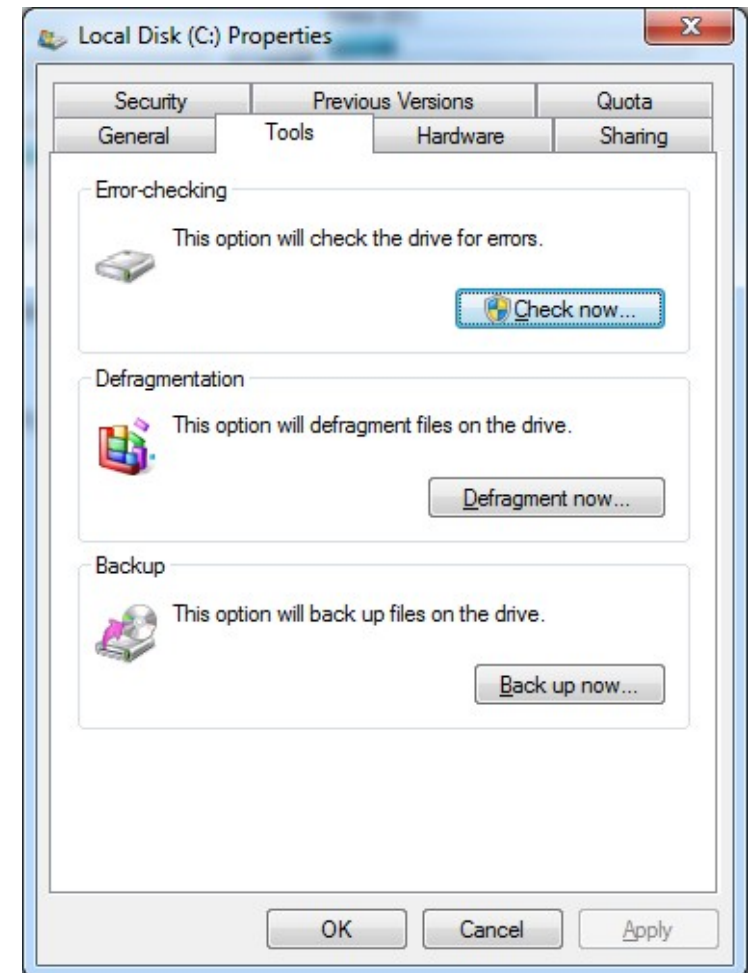
• Disk Maintenance

- Start in Windows 7
 - Click on Computer icon
- Start in Windows 8
 - Click on File Explorer icon
- Windows 10 – see Slide 26

•Disk Maintenance (cont)

Windows 7 & 8

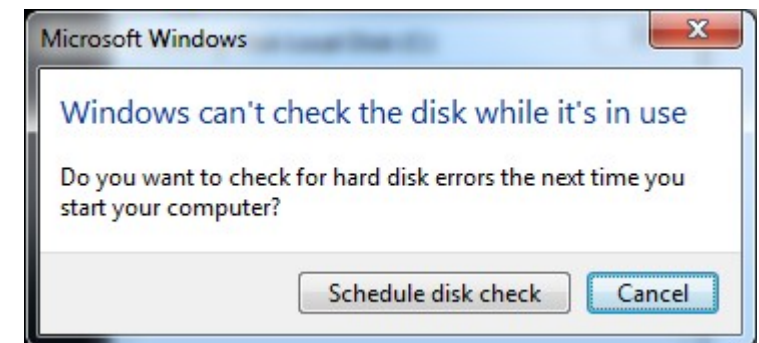
- Right Click on Local Disk (C:)
- Click on Properties
- Click on “Tools” Tab
- Click on “Check now' button
- Check both boxes



• Disk Maintenance (cont)

- Click on Schedule disk check
- Reboot
- Disk will be checked

Note: this can take a long time

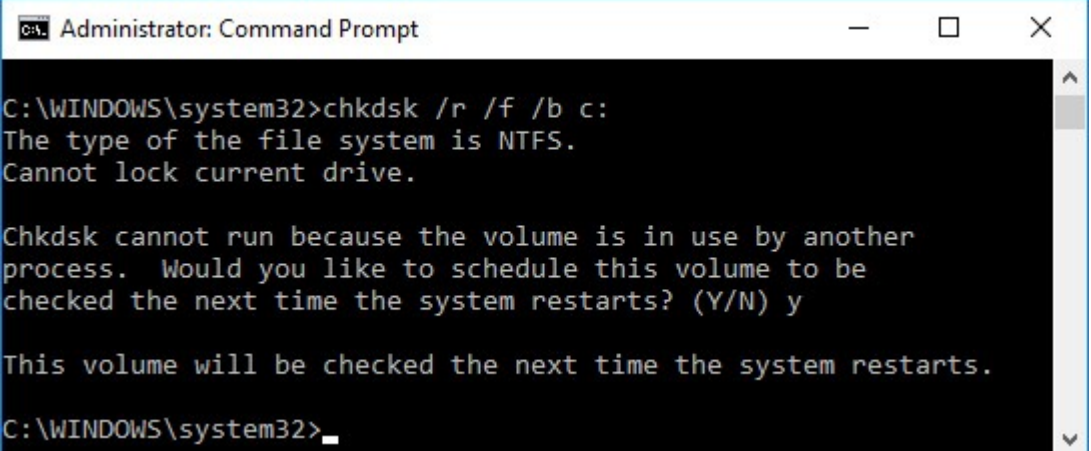


•Disk Maintenance (cont)

Windows 10

- Type cmd into the Search Box
- Right Click on “Command Prompt”
- Select “Run as Administrator”
- Type `chkdsk /r /f /b c:`
- Type Y
- Type exit to close box
- Reboot to check disk

Note: this can take a long time



```
Administrator: Command Prompt
C:\WINDOWS\system32>chkdsk /r /f /b c:
The type of the file system is NTFS.
Cannot lock current drive.

Chkdsk cannot run because the volume is in use by another
process.  Would you like to schedule this volume to be
checked the next time the system restarts? (Y/N) y

This volume will be checked the next time the system restarts.
C:\WINDOWS\system32>
```


PC Maintenance Class Handout

Revo Uninstaller

http://www.revouninstaller.com/start_freeware_download.html

Follow instructions

CCleaner

Download Free version from CCleaner.com

<https://www.ccleaner.com/ccleaner/download>

Click on Download at the bottom of the FREE column

Start install

Click Customize

Uncheck Add 'Run CCleaner' option to Recycle Bin Context menu

Uncheck Add 'Open Ccleaner..' option to Recycle Bin Context menu

Click Install

Uncheck View release notes

Click Run Ccleaner

Defraggler

Download Free version from CCleaner.com

<https://www.ccleaner.com/defraggler/download>

Click on Download at the bottom of the FREE column

Start install

Uncheck "Install Google Chrome" in lower corner

Click on Customize

Uncheck Add Defraggler menus to Windows Explorer

Uncheck Replace Windows Disk Defragmenter

Click Install

Uncheck View release notes

Click Run Defraggler