

MULTI-AV SCANNING TOOL

This is the help file for the **Multi Vendor Anti Virus Command Line Scanner Front End** utility and is distributed in a self-extracting ZIP file (**Multi_AV.exe**) that contains the Kixtart Script Interpreter { <http://kixtart.org/> Kixtart is CareWare } 4 batch files, 6 Kixtart scripts, one Link (.LNK) file, this PDF instruction file and two utilities; **UNZIP.EXE** and **WGET.EXE**. Other files, such as **UNRAR.EXE**, will be downloaded as needed.

http://www.ik-cs.com/programs/virtools/Multi_AV.exe

<http://www.pctipp.ch/downloads/dl/35905.asp>

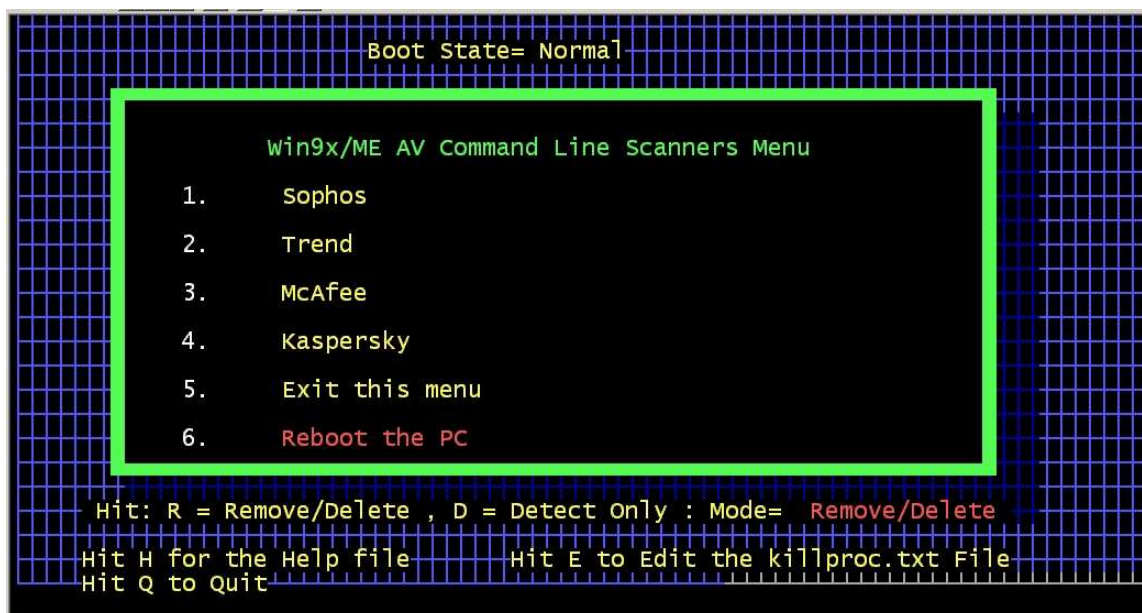
NOTE: You may have to disable your software FireWall or allow **WGET.EXE** to go through your FireWall to enable the utility to download the needed AV vendor related files.

To use this utility, perform the following...

Execute; **Multi_AV.exe** { Note: You must use the default folder **C:\AV-CLS** }
Choose; **Unzip**
Choose; **Close**

C:\AV-CLS\StartMenu.BAT -- { or Double-click on 'Start Menu' in **C:\AV-CLS** }

This will bring up the initial *menu of choices and should be executed in **Normal Mode**. This way all the components can be downloaded from each AV vendor's web site. The choices are; **Sophos, Trend, McAfee, Kaspersky, Exit this menu** and **Reboot the PC**.



```
Boot State= Normal

Win9x/ME AV Command Line Scanners Menu

1.   Sophos
2.   Trend
3.   McAfee
4.   Kaspersky
5.   Exit this menu
6.   Reboot the PC

Hit: R = Remove/Delete , D = Detect Only : Mode= Remove/Delete
Hit H for the Help file      Hit E to Edit the killproc.txt File
Hit Q to Quit
```

* When the menu is displayed hitting 'H' or 'h' will bring up this PDF help file.

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Sophos, Trend, McAfee and Kaspersky Modules

To perform a scan using these vendor's scanners choose the number on the menu corresponding to the Anti Virus scanner you wish to run. The scripts will automatically obtain the Anti Virus vendor's files for you. You don't need to have them already resident on your computer.

After the files have been downloaded to your computer and have been made ready to use, you will get a prompt if you want to run the scanner or not. If you do want to perform a scan then click on "**Yes**" if you do not want to perform a scan (for example if you want to perform the scan in **Safe Mode**) choose "**No**". If you choose No or ignore the prompt it will return you back to the main menu. An example prompt for the Sophos scanner is shown below.



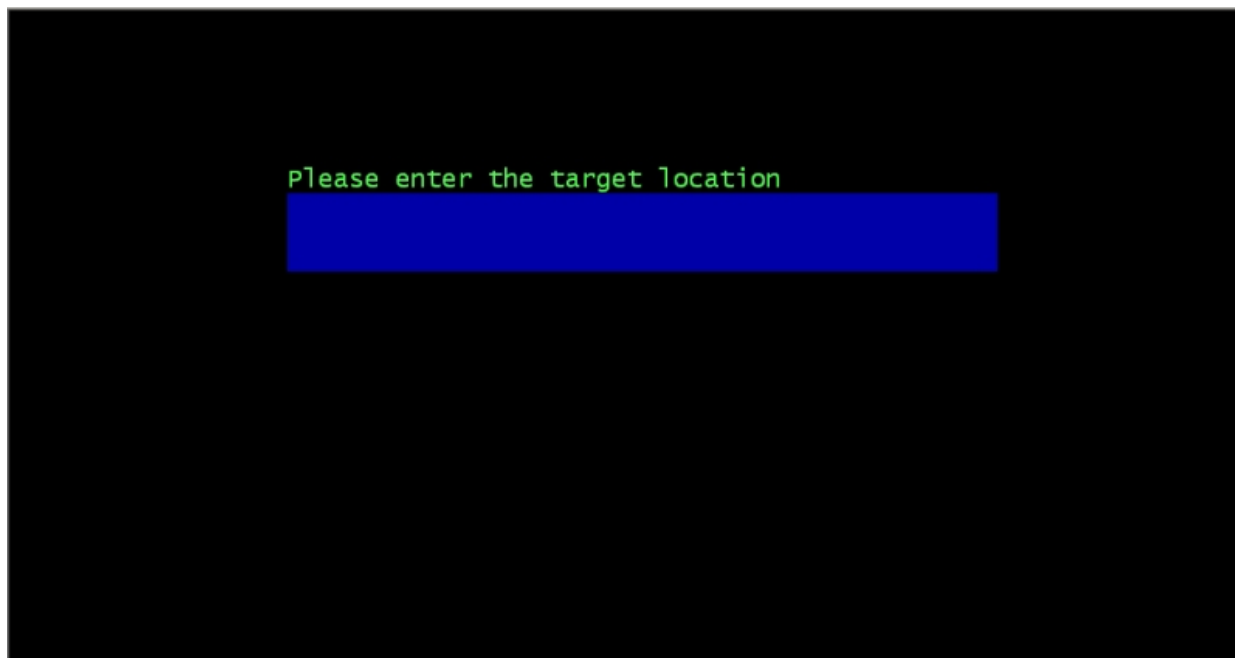
If you choose to perform a scan then you will be prompted to see if you want to perform the scan of a particular folder or location. An example prompt for the Sophos scanner is shown below.



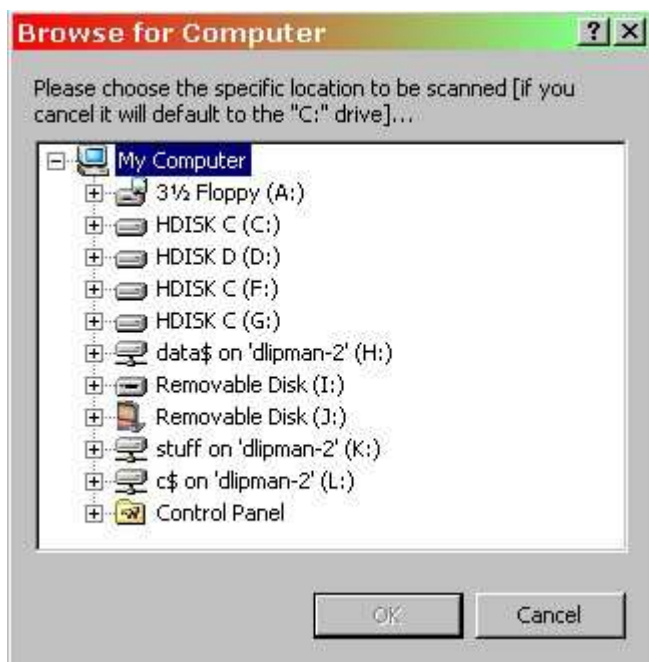
If you choose "**No**" then the AV scanner will proceed to perform a scan of all hard disks on the computer. If you choose "**Yes**" then you will be prompted to type in the path of the folder or the drive to be scanned. The scanner will then proceed to perform the scan of that location and all folders below it. If the drive or folder does not exist (for example a syntax error is made in typing the folder location) you will again be prompted to type in the path of the folder or the drive to be scanned.

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On a Windows 95, Windows 98, Windows ME or a Windows NT4 PC you will get the following dialogue to enter the location to be scanned.



On a Windows 2000, Windows XP or a Windows 2003 Server PC you will get the following browsing dialogue to choose the location to be scanned.

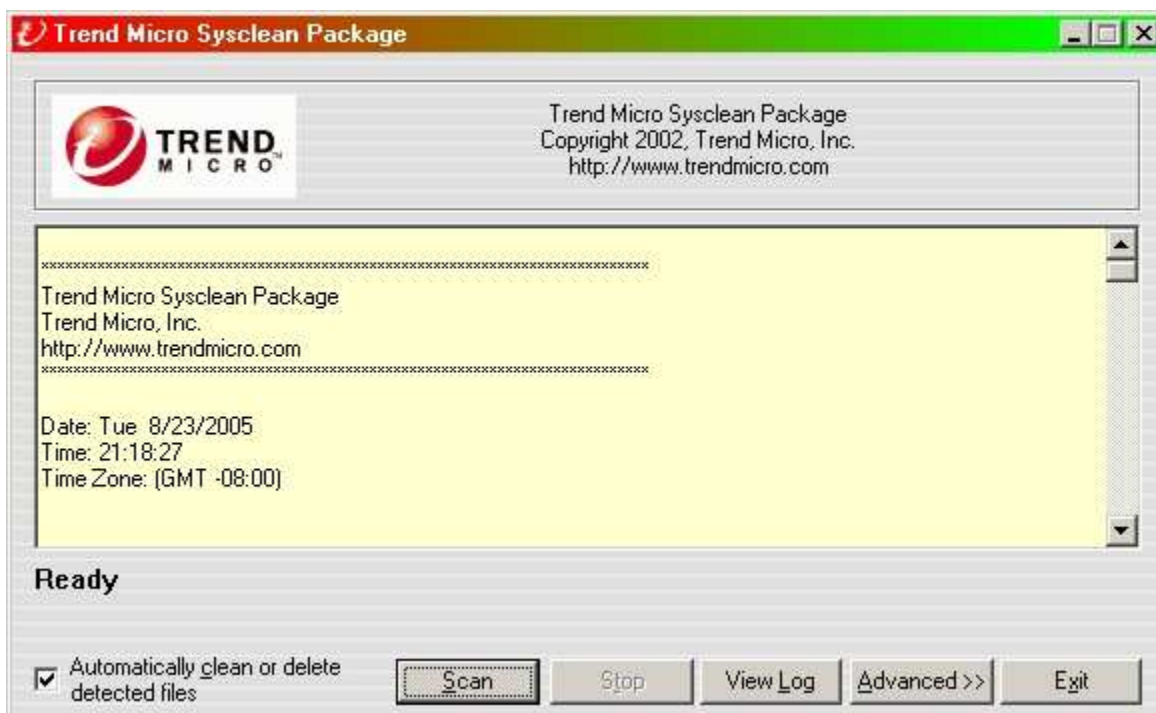


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Trend Micro Module

Choosing the number on the menu corresponding to Trend will automatically obtain the Trend Micro Sysclean utility and the latest Trend Pattern File. You don't need to have it already resident on your computer.

After the files have been downloaded to your computer and they have been made ready to use, you will see the following GUI utility. By clicking on the "**A**dvanced" button you can choose to scan a specified folder or drive. If it is not chosen then Sysclean will scan all hard disks.



Trend Sysclean view after clicking the "**A**dvanced" button



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Additional information on the use of this tool

```
Boot State= Normal

Win9x/ME AV Command Line Scanners Menu

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4.  Kaspersky
5.  Exit this menu
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Hit: R = Remove/Delete , D = Detect Only : Mode= Remove/Delete
Hit H for the Help file      Hit E to Edit the killproc.txt File
Hit Q to Quit
```

'Remove/Delete' and 'Detect Only' Modes of Operation.

There are two modes of operation; **Remove/Delete** and **Detect Only**. The software defaults to the **Remove/Delete** mode which means that any files that are deemed to be infected will be automatically removed from the system and can which can not be cleaned. If you desire to use the Multi AV Scanning Tool just to detect and not delete malware, you can hit the letter "D" and place the software in a **Detect Only** mode of operation. Those files found to be infected by malware will be logged but not cleaned nor deleted from the system. You will either have to manually delete them [not suggested] or you will have to later use a selective scan and tell the scanner where the scan is to be performed based upon the previous logged entries. These two modes of operation are only for the McAfee, Sophos and Kaspersky modules since the Trend Micro Sysclean utility has a GUI selection for detection with or without file deletion.

Anti Virus Modules

You can choose to go to each menu item and just download the needed files or you can download the files and perform a scan in **Normal Mode**. Once you have downloaded the files needed for each scanner you want to use, you should reboot the PC into **Safe Mode** [F8 key during boot] and re-run the menu again and choose which scanner you want to run in **Safe Mode**.

Also, it would be helpful to read the following information...

"How to perform a clean boot in Windows XP"

<http://support.microsoft.com/kb/310353>

While in **Safe Mode** Shutdown as many applications as possible prior to running the scanners !

C:\AV-CLS\DOSCLEAN.BAT

C:\AV-CLS\KAVCLEAN.BAT

C:\AV-CLS\SOFCLEAN.BAT -- For use on a Win9x/ME PC or on a Win2K/WinXP PC that is using FAT32 after you have booted from an Emergency Boot Disk (EBD) or DOS disk and have already

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executed; **C:\AV-CLS\StartMenu.BAT** and already chose McAfee, Trend, Kaspersky and/or Sophos from the menu. These batch files will execute the DOS CLS. If needed DOS disk boot images can be obtained from; <http://www.bootdisk.com/bootdisk.htm>

Additionally on a Win2K/WinXP PC the batch files can be executed in "**Safe Mode with Command Prompt**".

If you are on a NT4, Win2K, WinXP or Win2003 Server that is using NTFS you can obtain a free, personal, copy of AVIRA NTFS4DOS and create a NTFS compliant DOS boot disk.

http://www.free-av.com/down/windows/unerase_en_h.exe

After you boot from the DOS Boot Disk or are in "**Safe Mode with Command Prompt**" you would execute one or more of the following depending on what modules you chose to download in

Normal Mode;

C:\AV-CLS\DOSCLEAN.BAT

C:\AV-CLS\KAVCLEAN.BAT

C:\AV-CLS\SOFCLEAN.BAT

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There may be times when you want to clean a PC that has no Internet connectivity or very slow Dial-Up Networking (DUN). The objective is to have the Multi AV Scanning Tool installed on a PC with Internet connectivity.

1. Start the menu and choose each AV module. However, don't perform a scan in each anti virus module. Quit the module after the files have been downloaded and then exit from the Multi AV Scanning Tool.
2. Copy the **C:\AV-CLS** folder to a Read-Write media such as a USB Flash Drive, ZIP Disk or Memory Card. Alternatively you could burn the **C:\AV-CLS** folder to a CD-ROM.
3. Insert the USB Flash Drive, ZIP Disk, Memory Card or CDROM in the affected computer and copy the **.\AV-CLS** folder from that media to the "C:" drive [Note: the destination on the affected computer must be the "C:" drive]. If you are using a CD-ROM the CD-ROM is ONLY good for that day as the anti virus vendors will put out new signature files and/or engines and the files on the CD-ROM will quickly become out-of-date. Also note that if you use a CD-ROM the files copied from the CD-ROM will be marked as Read-Only files on the hard disk. After the files are copied to the "C:" drive you should Right-Click on the folder **C:\AV-CLS** and uncheck the Read-Only attribute and apply the changes to all files and sub-folders. Due to the Read-Only nature of CD-ROMs, it is suggested to use Read-Write media whenever possible.
4. You can now follow the normal instructions on the affected computer running the menu in **Normal Mode, Safe Mode, Safe Mode with Command Prompt** or by booting from a DOS Disk or a DOS Disk with NTFS4DOS to clean the affected, non-Internet connected, computer.

Each Command Line Scanner (CLS) will subsequently create a log file of what has been done upon completion.

Sophos:

The files for the Sophos CLS are located in; **C:\AV-CLS\Sophos** and the log file is called **C:\AV-CLS\Sophos\ScanReport.TXT** At the end of the scan, it will be displayed in your text editor, **NOTEPAD.EXE**.

Kaspersky:

The files for the Kaspersky CLS are located in; **C:\AV-CLS\KAV** and the log file is called **C:\AV-CLS\KAV\ScanReport.TXT** At the end of the scan, it will be displayed in your text editor, **NOTEPAD.EXE**.

Trend:

The files for the Trend Sysclean CLS are located in; **C:\AV-CLS\Trend** and the log file is called **C:\AV-CLS\Trend\Sysclean.log** At the end of the scan, it will be displayed in your text editor, **NOTEPAD.EXE**.

McAfee:

The files for the McAfee CLS are located in; **C:\AV-CLS\McAfee** and the log file is called **C:\AV-CLS\McAfee\ScanReport.HTML** At the end of the scan, it will be displayed in your browser (Opera, FireFox or Internet Explorer).

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It is strongly suggested that you move each respective report out of the vendor's folder **C:\AV-CLS\ or save a new copy of the report before performing another scan. It would also be good practice to scan in both **Safe Mode** and in **Normal Mode** and to save a copy of the report representing each session for later examination and comparison.**

Multi AV's Running Process Killer

Included in the **C:\AV-CLS** folder is a file called **killproc.txt** and is used to shutdown or kill running processes prior to scanning the platform. There are two processes already in the text file. **Iexplore.exe** (Internet Explorer) and **firefox.exe** (FireFox). The objective would be to add any more names in the text file making sure the last line is a blank line.

For example if the following files needed to be shutdown...

mszx23.exe
w32tm.exe
Tibs3.exe
rundll32.exe



They would be appended to the list in **killproc.txt** ensuring that the last line of the text file is a blank line. Then prior to scanning the platform, all of the processes listed in the text file will be shutdown (killed).



* When the menu is displayed hitting 'E' or 'e' will bring up NOTEPAD and the **killproc.txt** text file for easy editing.

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Notes:

1. If a **'hosts'** file is found by this utility, it will be renamed from **'hosts'** to **'hosts.bak'** since malware has a tendency to modify the **'hosts'** file to block access to anti virus vendor web sites and thus possibly blocking the ability to download the needed Sophos, Kaspersky, Trend Micro or McAfee files.
2. The directory **C:\AV-CLS** is hard coded and should not be changed.
3. Due to the fact that malware corrupts **AUTOEXEC.NT** and **CONFIG.NT**, these files will be renamed to have the **.BAK** extension and the OS default files restored. This will help to make sure that other software will run correctly and without errors when using those files.
4. You may have to disable your software FireWall or allow **WGET.EXE** to go through your FireWall to allow it to download the needed AV vendor related files.
5. On Win9x/ME platforms a backup of **WIN.INI** and **SYSTEM.INI** will be made (with the **BAK** extension) and both will be examined such that the **SYSTEM.INI** SHELL= statement is set to, shell=explorer.exe and the **WIN.INI** LOAD= and RUN= statements are set to null. If the SHELL= line is other than shell=explorer.exe, it will be set to shell=explorer.exe and if the LOAD= and/or RUN= lines are not set to null then they will be set to null since these are vectors for loading malware.
6. If you run the McAfee CLS from a DOS boot disk or from a DOS boot disk with NTFS4DOS, the HTML log file will be truncated to conform to the DOS 8.3 naming convention and the resultant file will be called; **C:\AV-CLS\McAfee\ScanRepo.HTM**.
7. If you run the Sophos CLS from a DOS boot disk or from a DOS boot disk with NTFS4DOS, the log file will conform to the DOS 8.3 naming convention and the log file will be called; **C:\AV-CLS\Sophos\AVReport.txt**
8. If you run the Kaspersky CLS from a DOS boot disk or from a DOS boot disk with NTFS4DOS, the log file will conform to the DOS 8.3 naming convention and the log file will be called; **C:\AV-CLS\KAV\AVReport.txt**
9. Continued use of the respective AV scanners will keep them up to date since they will download the most recent signature and engine files for you.
10. If you are using Win9x/NT4 and the Multi AV Scanning Tool fails to run because Windows Management Instrumentation (WMI) is corrupt or missing, you can download v1.5 of the WMI files at...
<http://www.microsoft.com/downloads/details.aspx?familyid=AFE41F46-E213-4CBF-9C5B-FBF236E0E875&displaylang=en>

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11. Resources:
news:alt.comp.virus
news:alt.comp.anti-virus
news:alt.privacy.spyware
news://msnews.microsoft.com/microsoft.public.security.virus

The **MULTI AV SCANNING TOOL** is provided as CareWare [<http://en.wikipedia.org/wiki/Careware>]

If you find that the **MULTI AV SCANNING TOOL** has provided you some benefit it is strongly suggested that you provide a monetary donation to a charity. The following web site provides some charities under the banner of CharityWare - http://www.charity-ware.org/more_charities.htm

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Authorized hosts:

PCTipp - <http://www.pctipp.ch> April 2007

Ian Kenefick – <http://www.ik-cs.com> November 2004

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<http://www.pctipp.ch/downloads/dl/35905.asp>

<http://www.ik-cs.com/got-a-virus.htm>

<http://www.claymania.com/removal-trojan-adware.html>

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MULTI-AV SCANNING TOOL

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