

Windows 2000 Virus Protection

OBJECTIVES

1. Manually scan the C: drive for viruses.

RESOURCES

1. Marcraft 8000 Trainer with Windows 2000 installed
2. McAfee Virus Scan installed



Troubleshooting

DISCUSSION

Viruses can harm the operation of your system. When visiting questionable web sites, or opening infected e-mail, you may get a virus that causes your system to operate strangely. Viruses can delete documents, system files, or other files on your computer. They can be spread to other users through e-mail, the Internet, or any other electronic means of communication. It is important to rid the computer of any viruses and perform preventive maintenance on your system. It is also important to have the latest .DAT files, which define the known viruses, because new viruses appear every day. McAfee can also update its files on your computer directly from their Web site. This lab will help you to use McAfee VirusScan to scan the hard drive on your computer.



Troubleshooting

PROCEDURE

1. **Manual scan for viruses**
 - a. Boot to the Windows 2000 desktop.
 - b. Double-click the McAfee VirusScan Central Shortcut on the desktop.
 - c. If you are prompted to perform a scan because one has not been performed before, click No.
 - d. You will now see a window similar to Figure 30-1. Click the Scan button.
 - e. Highlight "Local Disk (C:)."
 - f. Click the Settings button.

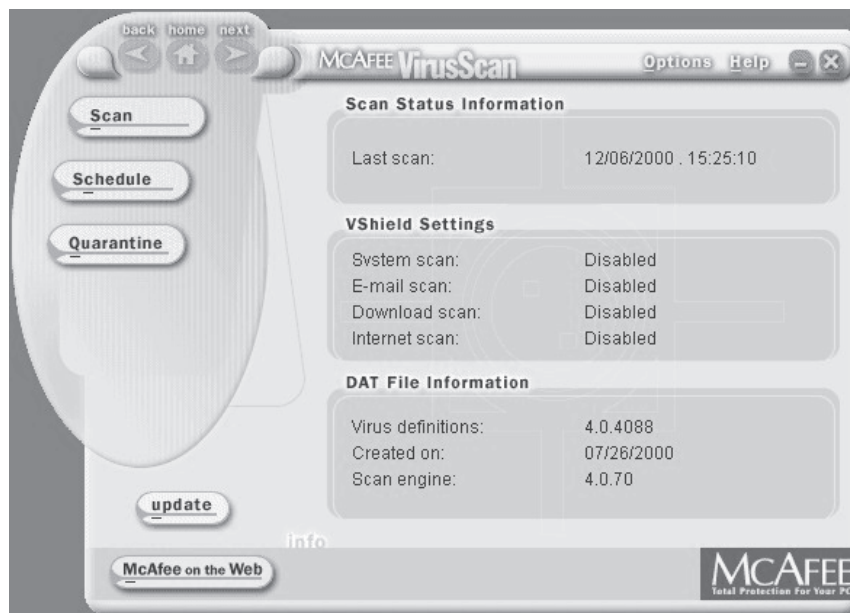


Figure 30-1: McAfee Virus Scan

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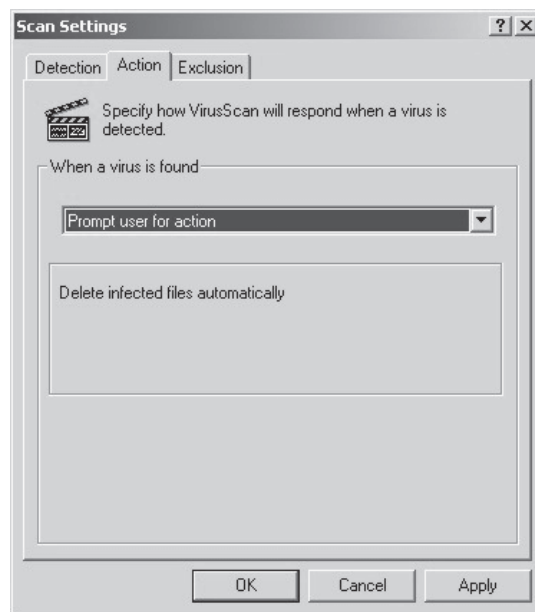


Figure 30-2:
Scan Settings

- ___g. Record the items selected under "What to scan" in Table 30-1.
- ___h. Click the "All files" radio button.
- ___i. Click the Action tab. You will see a window similar to Figure 30-2.
- ___j. Click the down arrow to open the "When a virus is found" menu so that it expands and record the options in Table 30-2.
- ___k. Click the Exclusion tab.
- ___l. From this window you can add or remove folders to be excluded during a scan. Record the item that is excluded in Table 30-3.
- ___m. Click OK to close the Scan Settings window.
- ___n. Click the Activity Log button. You will see a window similar to Figure 30-3.
- ___o. Click the Log Settings button.
- ___p. Record the Items under "Enable logging for" in Table 30-4.
- ___q. Click OK to close the Log Settings window.

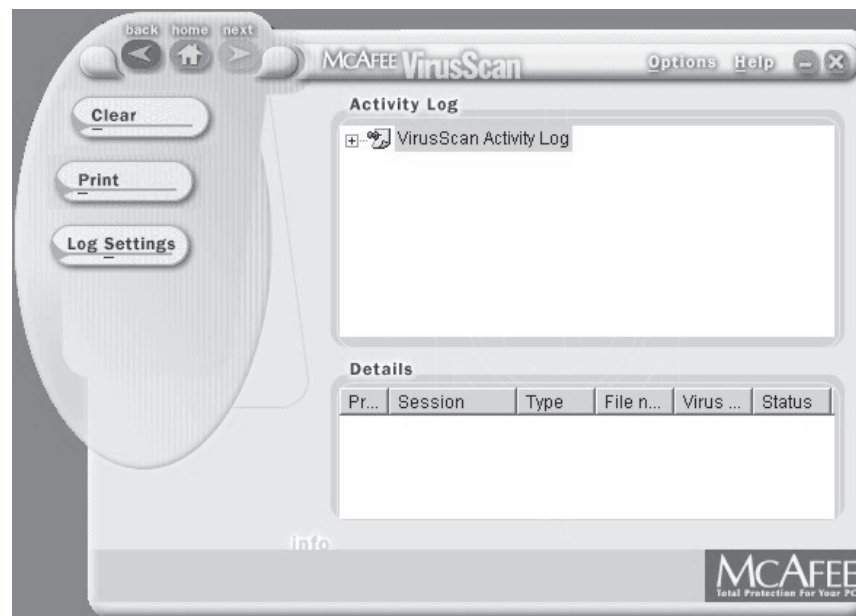


Figure 30-3:
Activity Log

- ___r. Click the "VirusScan Activity Log" and then expand it by clicking the + sign next to the icon.
- ___s. Click the VirusScan Log if it exists to highlight it.
- ___t. Click the Clear button.
- ___u. Click the Back button in the upper-left portion of the window to return to the previous scan window.
- ___v. Click the Scan Now button and the virus scan will begin. It may take several minutes.
- ___w. Record your observations of the bottom of the window in Table 30-5. What do you think it is showing?

2. View results

- a. If any viruses are detected you should choose delete the file affected.
- b. Immediately after the scan is finished a window similar to Figure 30-4 will open. Click on OK to the result window.
- c. Click the Activity Log button.
- d. Expand the VirusScan Activity Log.
- e. Expand the VirusScan Log.
- f. You will see an item with the current date and time of the scan you just performed. Expand the item.
- g. Click on Scan Settings.
- h. Under the Details window you can see various information about the scan. Record the required values in Table 30-6.
- i. Click on Scan Summary and record the required details in Table 30-7.
- j. Close the McAfee VirusScan window.

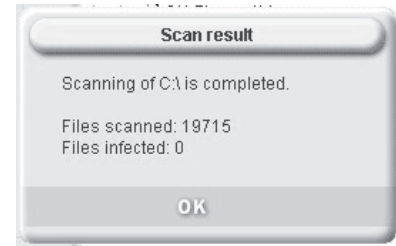


Figure 30-4: Scan Results

3. VirusScan Console

- a. In the System Tray there is an icon that looks like a magnifying glass. This is the VirusScan Console. Double-click on it. You will see a window similar to Figure 30-5.

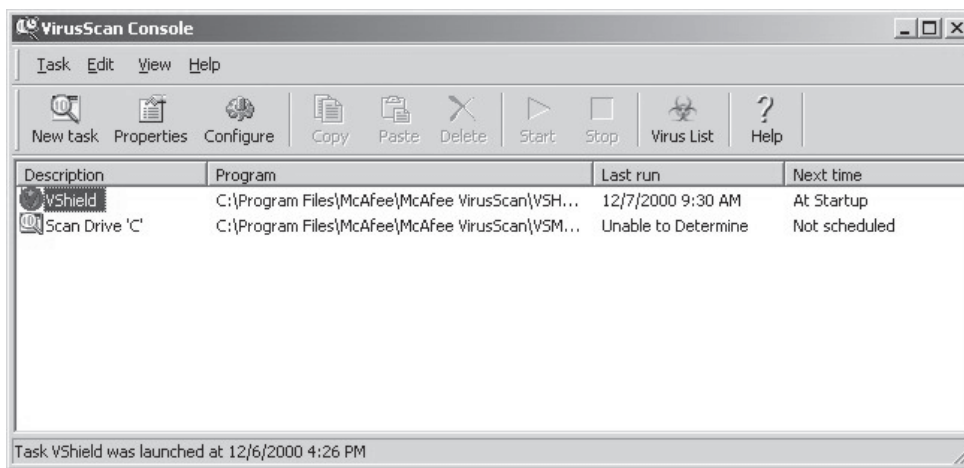


Figure 30-5: VirusScan Console

- b. Double-click on Scan Drive 'C'.
- c. Click the Schedule tab. You can specify when an automatic scan should take place from this window.
- d. Click Enable and record the options to Run in Table 30-8.
- e. Click Cancel and Close the VirusScan Console window.

4. VShield

- a. In the system tray there is an icon that looks like a V inside a shield. It may have a red circle with a slash in front of it. This is the Virus Shield. It can be made to monitor actions during normal operation. Double-click on it.
- b. If the System Scan is disabled; enable it.
- c. Press CTRL+ALT+DELETE and click Task Manager.
- d. Click the Performance tab.

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- ___ e. Arrange your screen so that you can see the Memory Usage of Task Manager and System Scan Status at the same time. The screen should look similar to Figure 30-6.

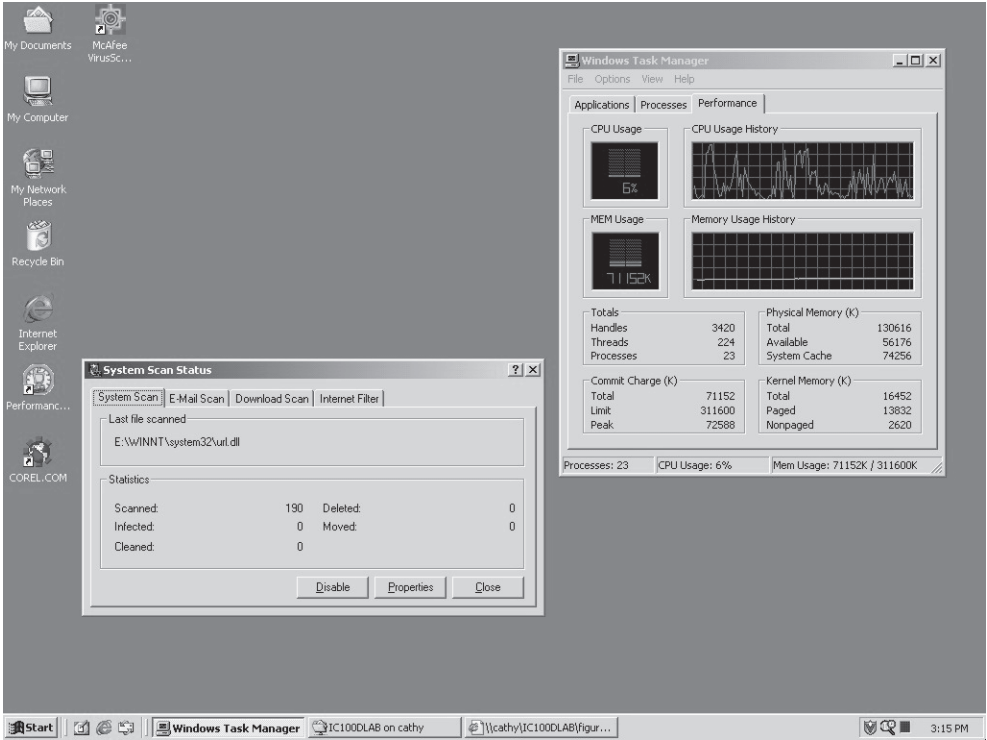


Figure 30-6:
View Both Windows at
Once

- ___ f. Click the Disable button and then the Enable button in System Scan and record the differences of memory usage in Table 30-9.

NOTE: We already know that programs take up system resources when they're running. This program also scans every file that is accessed.

- ___ f. Test this by opening a program like *Internet Explorer* and looking at the Last file scanned and the Scanned statistics for the number of files scanned.
- ___ g. Record the names of the other three tabs of the *System Scan Status* window in Table 30-10.
- ___ h. Disable System Scan, close all open windows, and shut down the computer.

TABLES

Table 30-1

What to Scan:	

Table 30-2

“When a Virus is found” Options:	

Table 30-3

Excluded Item:	
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Table 30-4

“Enable logging for”:	

Table 30-5

Scan Observations

Table 30-6

Details Window - Required Value	
Scan Engine Version:	
Scan Item 1:	
Scan All Files	

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Table 30-7

Scan Summary Details	
Virus in Memory:	
Files Infected:	

Table 30-8

Schedule Options:		

Table 30-9

Differences	
Memory Used During Disable:	
Memory Used During Enable:	

Table 30-10

System Scan Tabs:	



Feedback

LAB QUESTIONS

1. Approximately how many files did you scan for viruses?
2. What other drives were available in "Where & What" when doing a scan of drive C:?
3. Where would you view the date and time of your last scan?
4. Where would you go to have the C: drive scanned once a day?
5. Why is it important to have the latest virus .DAT files?