

McAfee VirusScan Enterprise 8.7 Users Guide

MCAFFEE VIRUSSCAN 8.7 (VS) USER'S GUIDE

This document aims to introduce to the users McAfee VS 8.7 software and covers information about how to use it in order to get the users familiarized with its use and operation. In the first section, users will find information about how to access McAfee VS software environment and use the functions on the McAfee VS 8.7 software interface. The second section covers information about the tasks that should be used frequently such as virus scan, updating virus definitions etc. To get information about how to install the software please click on the link [Installation of McAfee Vscan Anti-Virus Software](#)

McAfee VS 8.7 Update

The most basic and fundamental information is about how to update the anti-virus software. All anti-virus software are ineffective against the viruses which emerged after the production and/or installation date of antivirus software. For this reason they must be updated by virus definition files which inform the software about newly detected viruses. These virus definition files are provided by the companies who produced the antivirus software and distributed from Internet. The instructions for customizing the program to update itself automatically is given under the AutoUpdate section below. To manually update your software please click on the [Manual Update](#)

McAfee VS 8.7 Access

There are a number of ways to access McAfee VS software functions.

- McAfee VS software can be seen as an icon (with a picture of a shield) on the System Tray. When you right click on this icon, the menu on Figure 1 is displayed with a menu including eight options. "On-Access Scan Statistis" is selected by default and you can open it by double clicking the mouse. Note: If the anti-virus software is administered centrally, the departmental coordinator may have disabled the appearance of the icon on the System Tray.

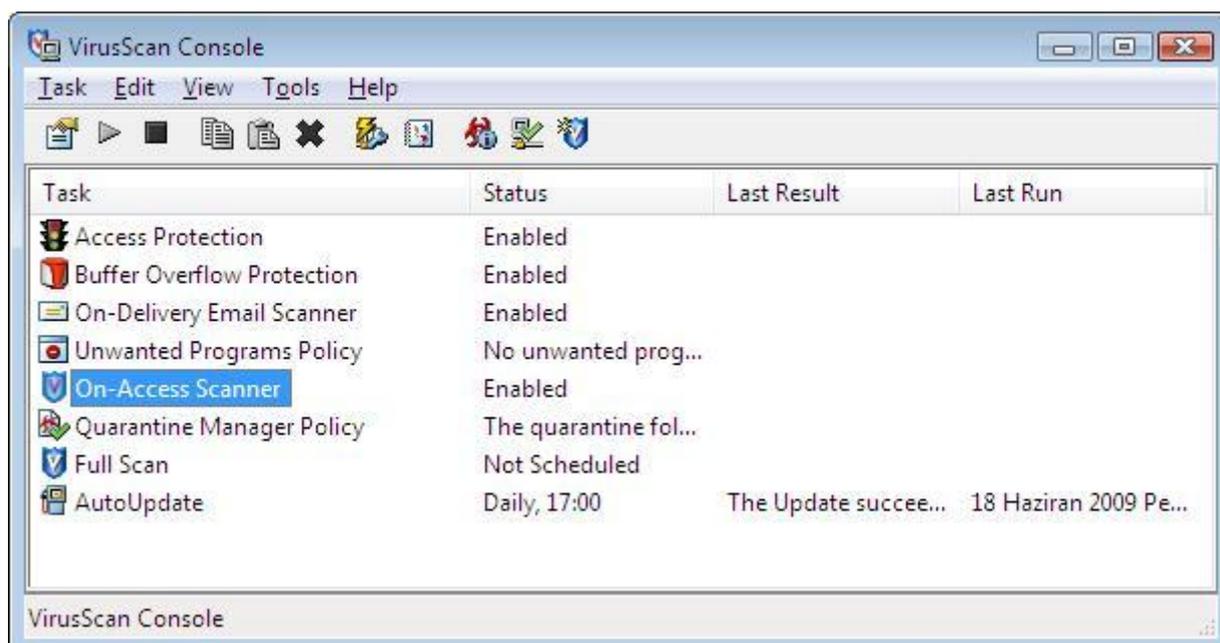


Figure 1- McAfee VS

- Click the Start menu.

All Programs > McAfee > VirusScan Console (Windows XP / Vista)

On the window displayed, there are 8 tasks that are available by default:

These default tasks are "Access Protection", "Buffer Overflow Protection", "On Delivery Email Scanner", "Unwanted Programs Policy", "On-Access Scanner", "AutoUpdate", "Full Scan", "Quarantine Manager Policy" and are displayed under "Task".

On-Access Scanner:

This task enables the virus scanning of any file that is accessed. All the programs that the user tries to access are initially scanned with the aid of this task. By scanning the files before they are accessed, the virus software tries to detect the virus patterns beforehand.

The picture in Figure 2 is the picture of the window that is displayed after the "On-Access Scan" task is double clicked. The user sees two panels in the window. The one on the left contains the icons of "General" and "All Processes". The panel on the right displays the contents of these icons.

By default, the contents of the "General" icon are displayed. The "General" icon contains all the virus scans and specifies the tasks to be performed as a result of the virus scans.

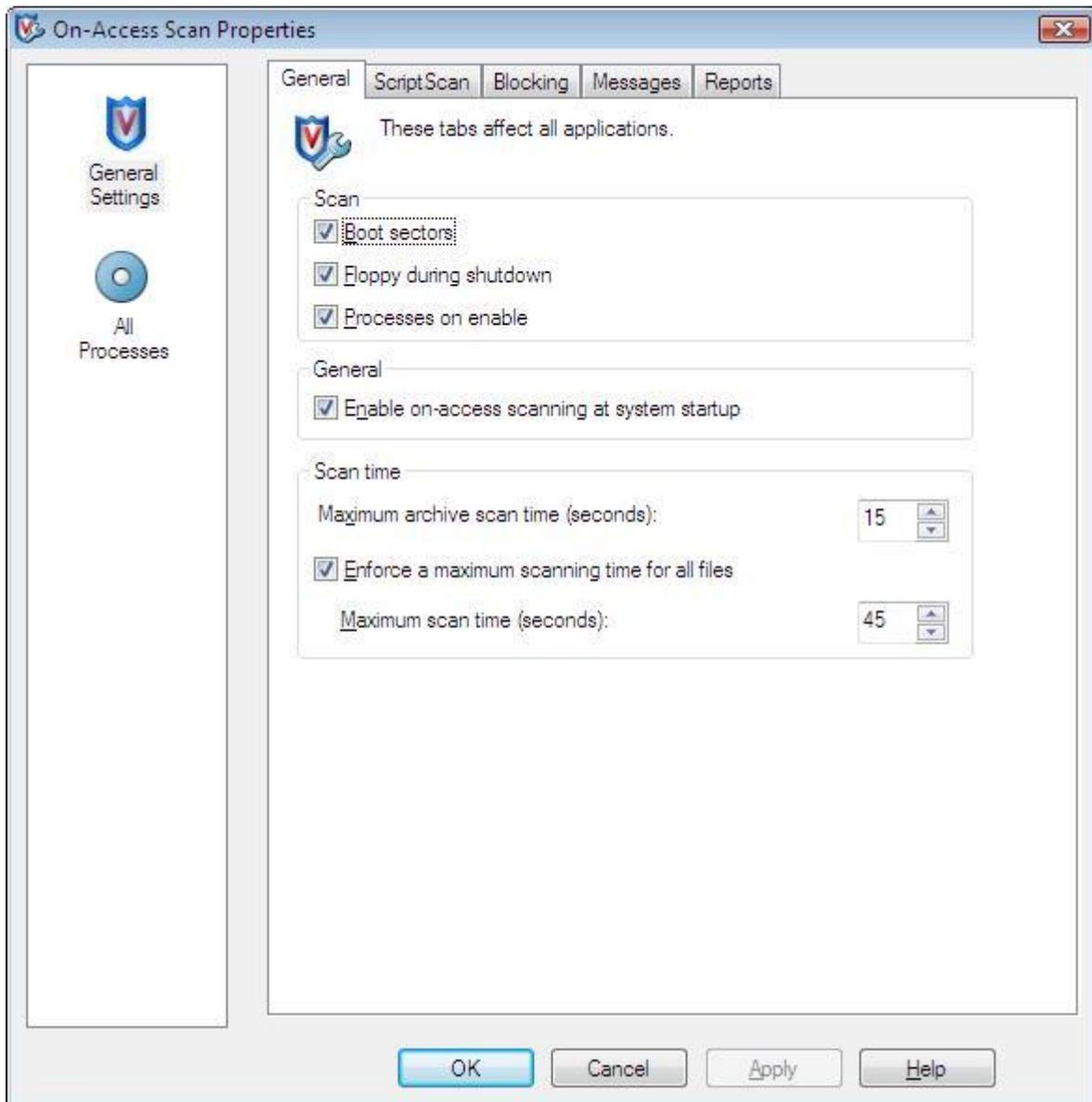


Figure 2- McAfee VS console

In the "Scan" box, the actions that the anti-virus program will perform during the startup or shut down are defined. The "General" box enables the running of "On-Access Scan" feature during the startup of the computer. "Scan time" box shows maximum how much seconds will be used to scan the file. The first option is for archive files. The second and third options are applicable for all the files.

When "Messages" tab is clicked, "Message for local users" is displayed. This box contains the message that will be displayed to the user using the computer when a virus is detected. If the user does not own the administrator rights, the message contains the tasks that the user can follow then. The tasks mentioned here may allow the user to delete the file; however, this is not the default setting, because it may be that a virus affecting the system files may get activated because of a careless or an ignorant user. "Response to network users" box specifies the message that will be displayed to the users using the computer on a network and this box specifies whether the connection will be maintained or not (Figure 3).

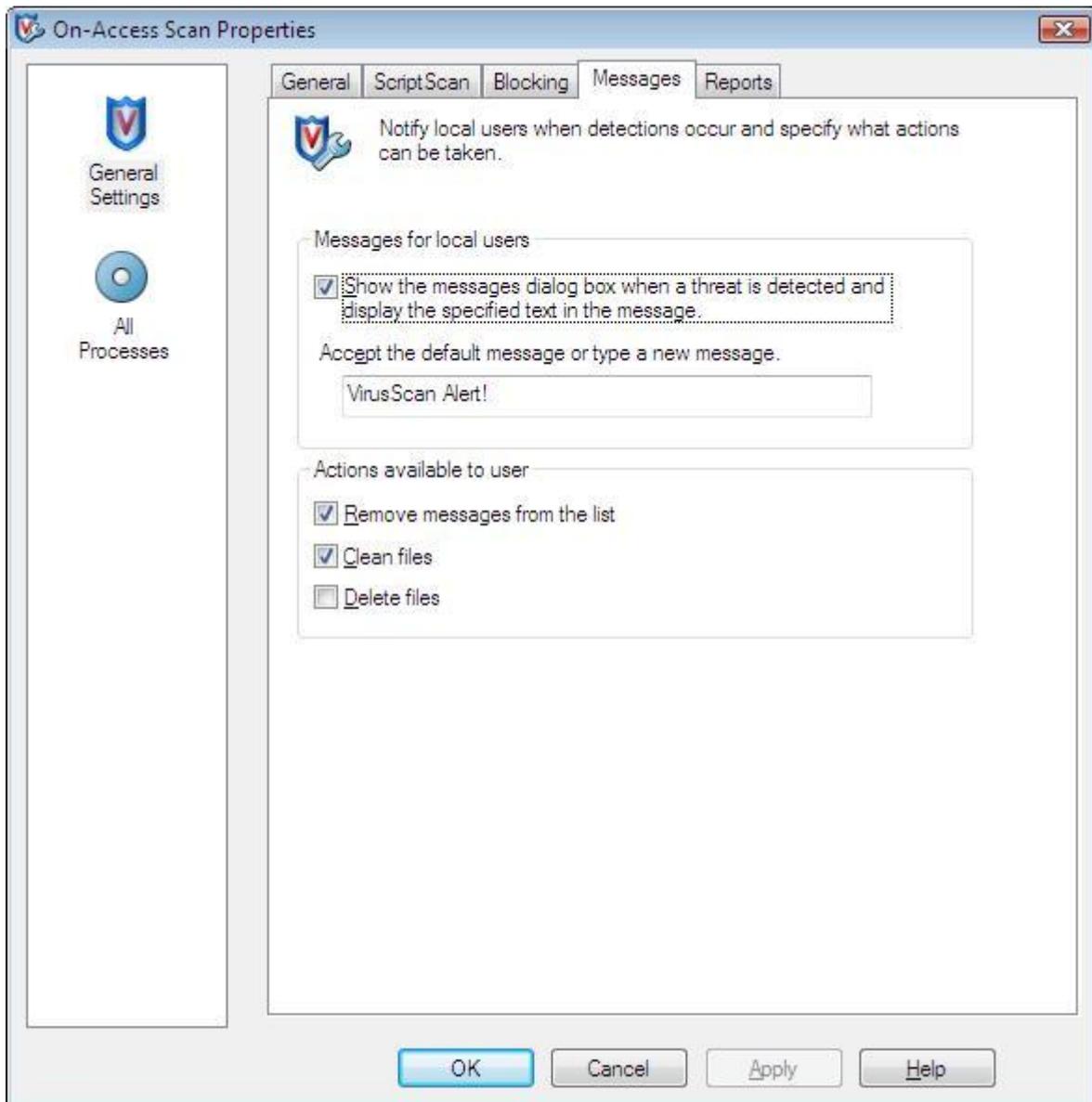


Figure 3- McAfee VS On-Access Scan Features - Messages

"Report" tab, when clicked due to a detection of virus activity on the computer, enables one to locate the logs that will be created and specify their maximum sizes. In addition to the virus activity, it records the name of the current user when the virus is detected, the encrypted files that were not scanned and the summary of the session.

Under "All Process" icon, the "Process" tab includes the rules that will be applied to all the tasks or to the tasks that are classified as low risk level and high risk level. The default setting applies the rules to all the tasks (Figure 4).

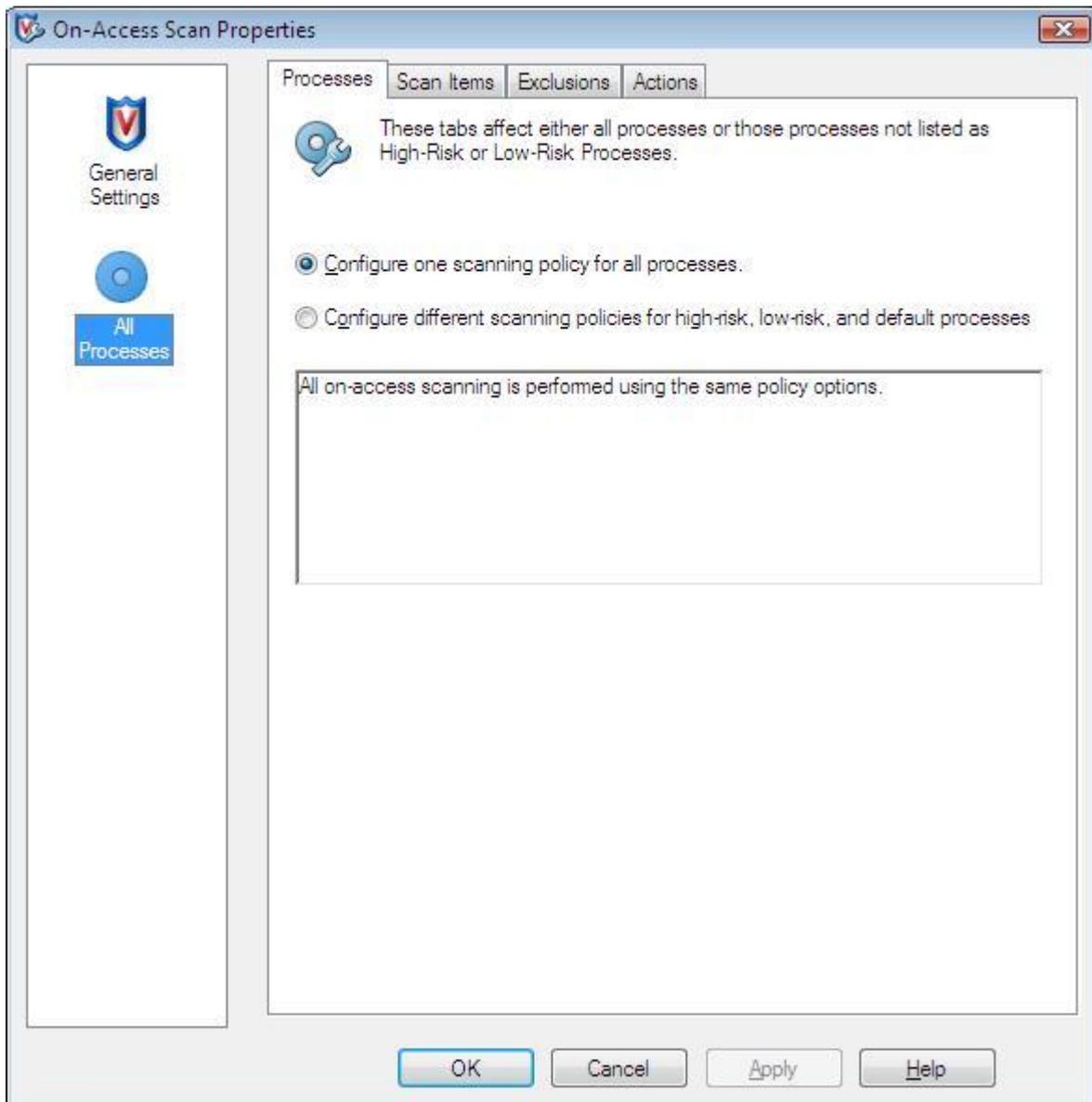


Figure 4- McAfee VS On-Access Scan Features - All Processes

Under "Scan Items" icon, the "Scan Files" tab specifies by default the setting of scanning the files as they are written on the disc or as they are read from the disc. In addition to these options, it enables the scanning of network drives and files opened for backup. Under "What to scan" box, all the files are selected by default. However, according to the user's wishes, the default files and the other files that the user specifies can be scanned. Or, according to the user's wishes, another special setting can be done to be able to scan only specific type of files. It is recommended that users use the default settings. "What not to scan" section enables the user to scan the specific directories and/or file types that s/he does not want to scan.

"Find unknown program virus" and "Find unknown macro virus" options are selected by default under the "Heuristics" box. These options enable the detecting of viruses that are not present in the virus definitions but are using an old virus engine. In "Non-viruses" box, "Find potentially unwanted programs" option is not selected as default. If this option is enabled, anti-virus software may prevent some programs that cause the display of some pop-up windows. In "Compressed files" box, there are

options about scanning of the zipped files. By default ".UPX" files are scanned. However, it does not scan the files that are coded as ".ZIP" and MIME.

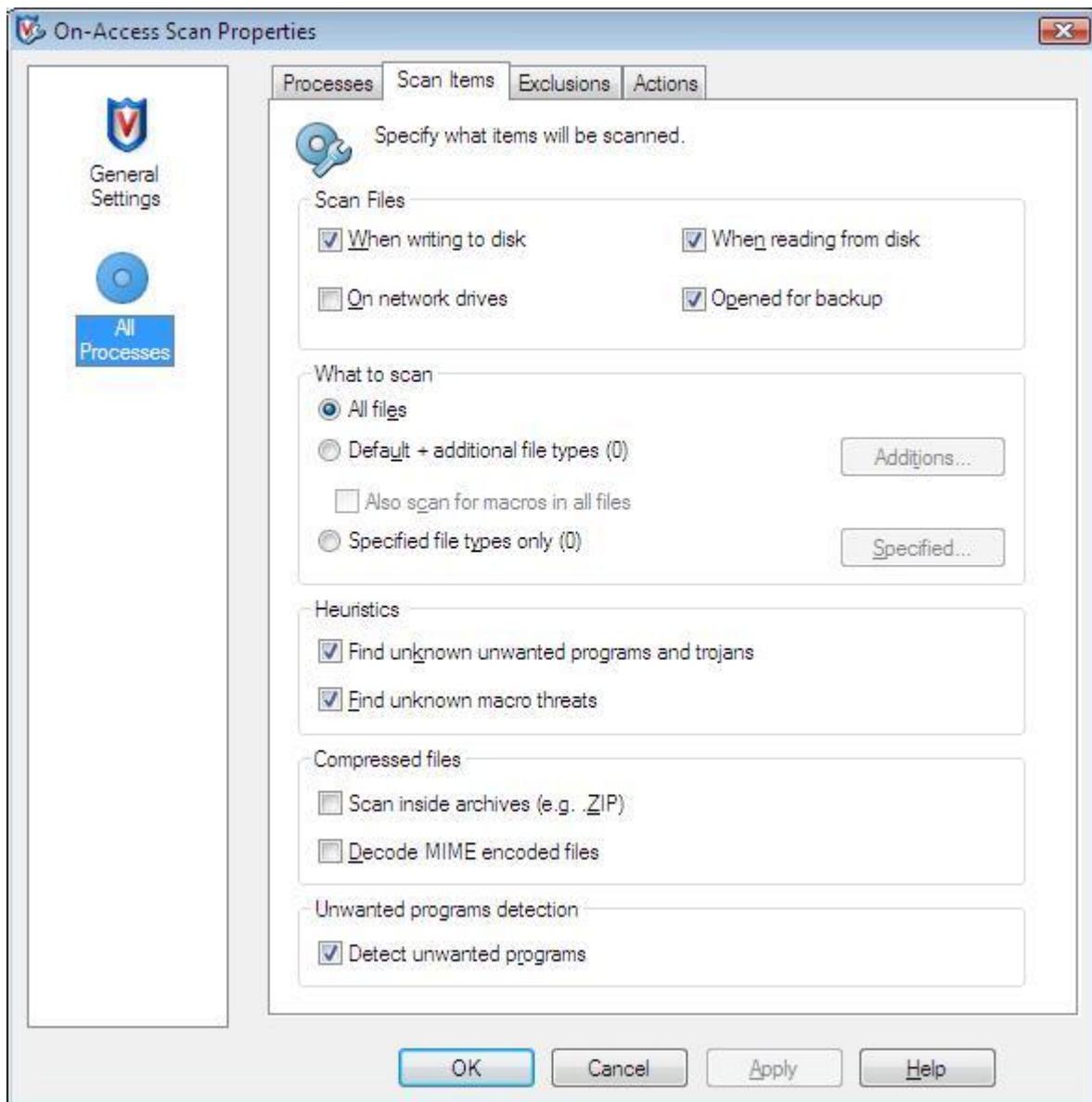


Figure 5- McAfee VS On-Access Scan Features - All Processes - Scan Items

The tasks that should be performed when the file that generates the virus activity is detected, are specified under "Action" tab. Cleaning the file automatically is the default setting. If the cleaning of the virus is unsuccessful, the setting is set to moving the file to the directory that is specified as quarantine directory.

AutoUpdate:

If the user forgets or neglects the task of updating the virus definition files, the software should not end up being useless against the latest virus threats; so, this section is designed for this purpose. When AutoUpdate is double clicked, the picture shown on Figure 6 is displayed. The user should click on "Update Now" file to start updating the software.

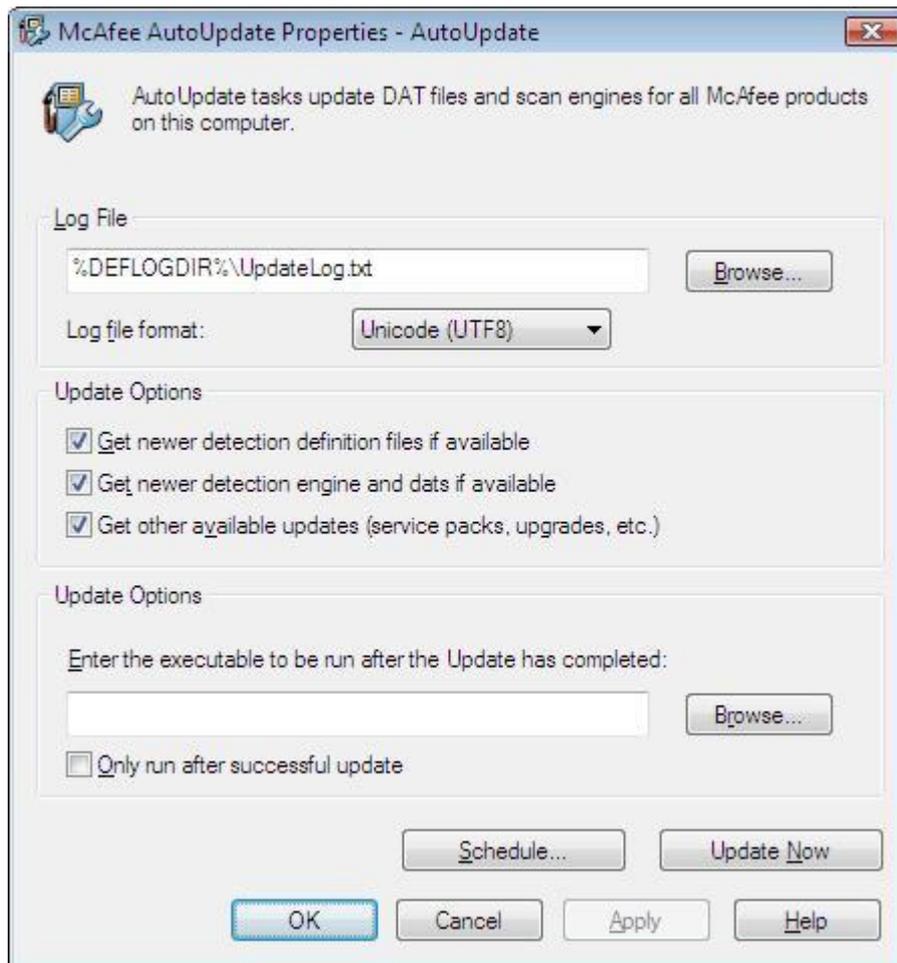


Figure 6- McAfee VS - AutoUpdate Features

"Log file" box keeps the logs of the update process. If the updating process fails, examining the log reports may help the user to fix the problem. "Run options" box enables the running of a program after the updating process is finished. Running of the virus scanning program after the updating process, enables the user to see whether the computer gets affected by the activity of a new virus.

In order to schedule the update, in the following windows after pressing the "Schedule" button, if computer is a domain member, user name and password with the update privileges, else without doing anything press "Schedule" button. Subsequently, under "Schedule" tab, the frequency of updating should be specified. Under normal circumstances, it is sufficient to update the software once in a week. However, in cases of emergencies, when there are the risks of new viruses spreading, this time interval should be shortened (Figure 7).

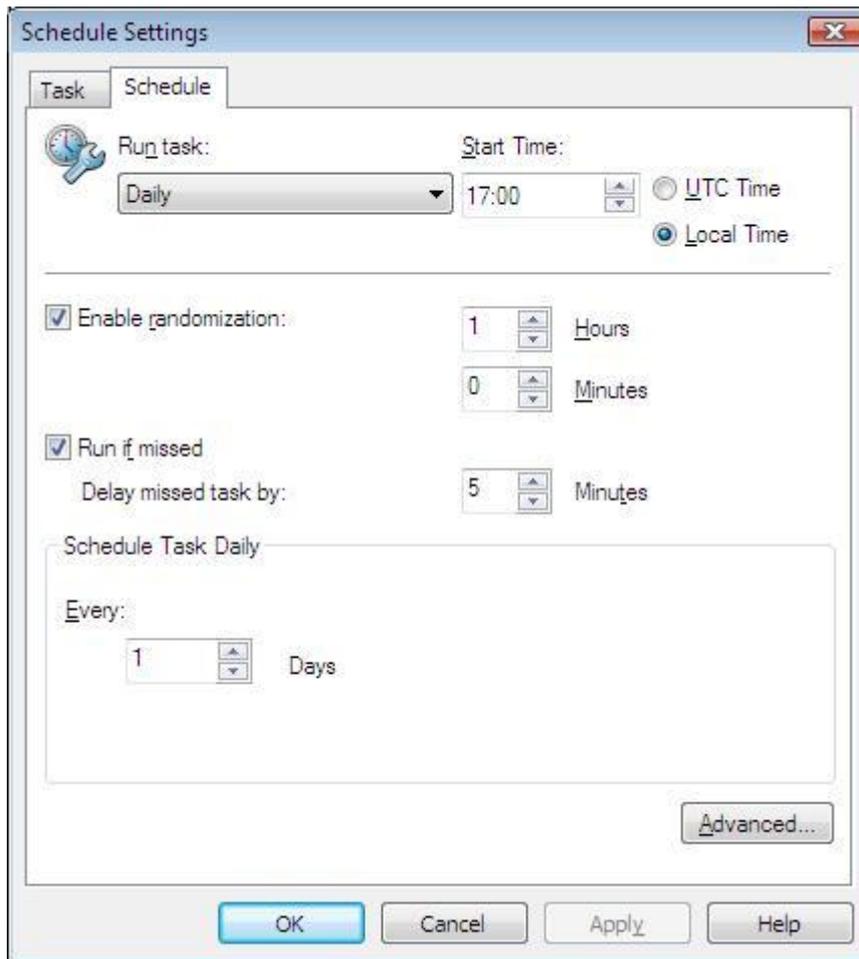


Figure 7- McAfee VS - AutoUpdate Features - Scheduled Update

On Delivery E-mail Scan:

This option enables the virus scanning of e-mail messages that are received and sent by the users who use MS Outlook program. The window displayed after double-clicking it is very similar to the "Detection" window provided on Figure 5. However, instead of "Scan Items" box, there is "Scan of e-mail" box. This enables the scanning of e-mails that are sent by Microsoft Exchange.

Under "Advanced" tab, "Find unknown program virus" and "Find unknown macro virus" options are selected by default under the "Heuristics" box. These options enable the detecting of viruses that are not present in the virus definitions but are using an old virus engine. However, "Find at unknown program virus" option that enables the scanning of the files with two or more extensions is not selected by default. We recommend to our users to enable this option and use it. In "Non-viruses" box, "Find potentially unwanted programs" option is not selected as default. If this option is enabled, anti-virus software may prevent some programs that cause the display of some pop-up windows. In "Compressed files" box, there are options about scanning of the zipped files. By default ".UPX" files are scanned. However, it does not scan the files that are coded as ".ZIP" and MIME. "E-mail message body" box enables examining of the e-mail message body in order to scan whether it contains a virus or not (Figure 8).

The tasks that should be performed when the file that generates the virus activity is detected, are specified under "Action" tab. Cleaning the file automatically is the default setting. If the cleaning of

the virus is unsuccessful, the setting is set to moving the file to the directory that is specified as quarantine directory.

Under "Alert" tab, "E-mail alert" box contains the "Return reply mail to sender" option that enables the sending of a feedback message to the sender that sends virus infected message from his/her inbox. However, since most of the new generation viruses are able to configure the "from" line of the e-mail messages, such feedback message may create false alarms. Therefore, we do not recommend our users to use this option. The "Send alert mail to user" option at the same box enables the sending of an e-mail message to the system administrator when a virus infected message is detected. It is recommended that the users should use this feature according to the policies implemented by their departments/units.

"Report" tab, when clicked due to a detection of virus activity on the computer, enables one to locate the logs that will be created and specify their maximum sizes. In addition to the virus activity, it records the name of the current user when the virus is detected, the encrypted files that were not scanned and the summary of the session.

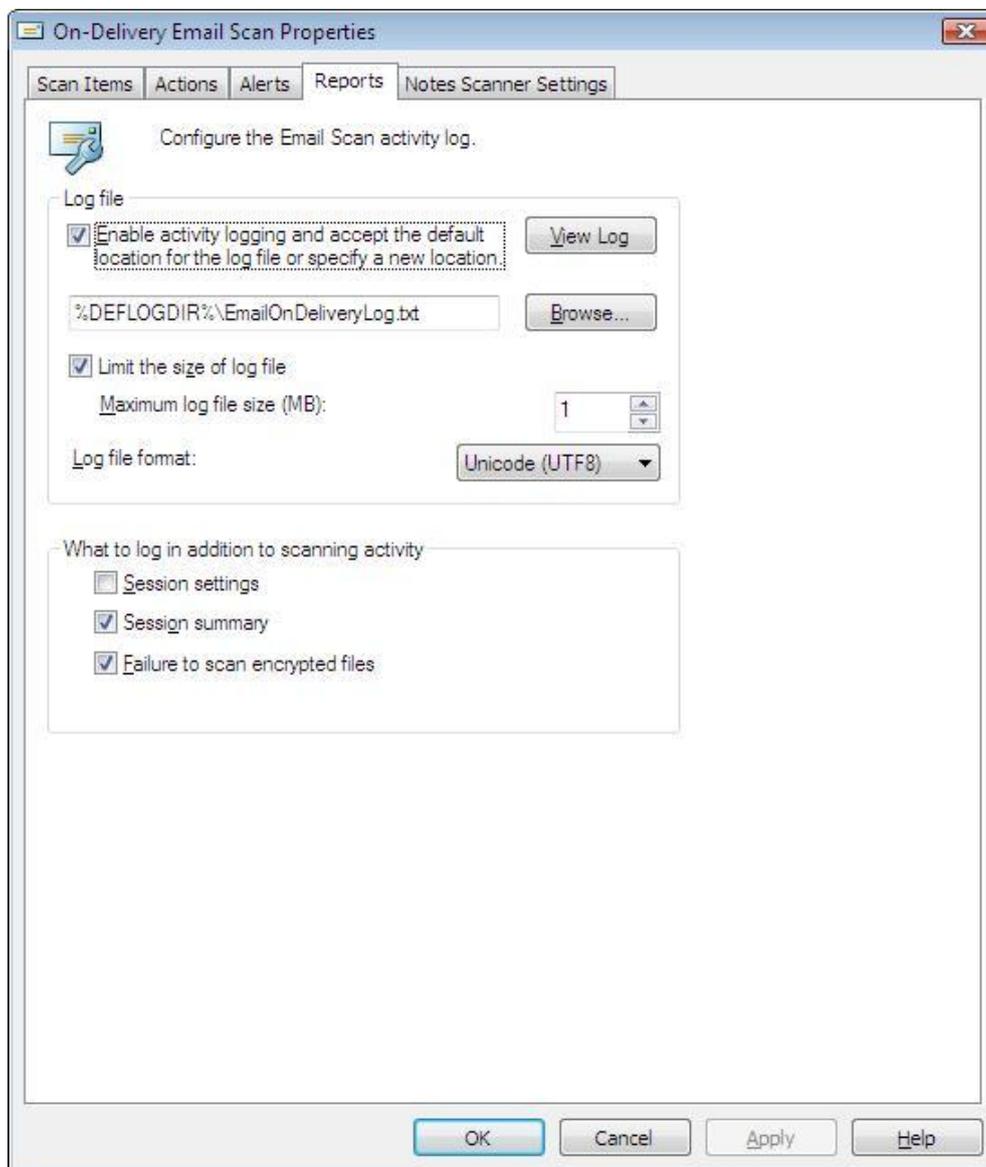


Figure 8- McAfee VS - On-Delivery Scan Features - Reports

Full Scan:

This option enables the user to scan all the files on his/her computer at a any time s/he designates. The "Add" button enables the user to add fields to be searched other than the ones that will already be searched. The "Remove" button enables the user to remove the locations where the search will not be conducted (Figure 9).

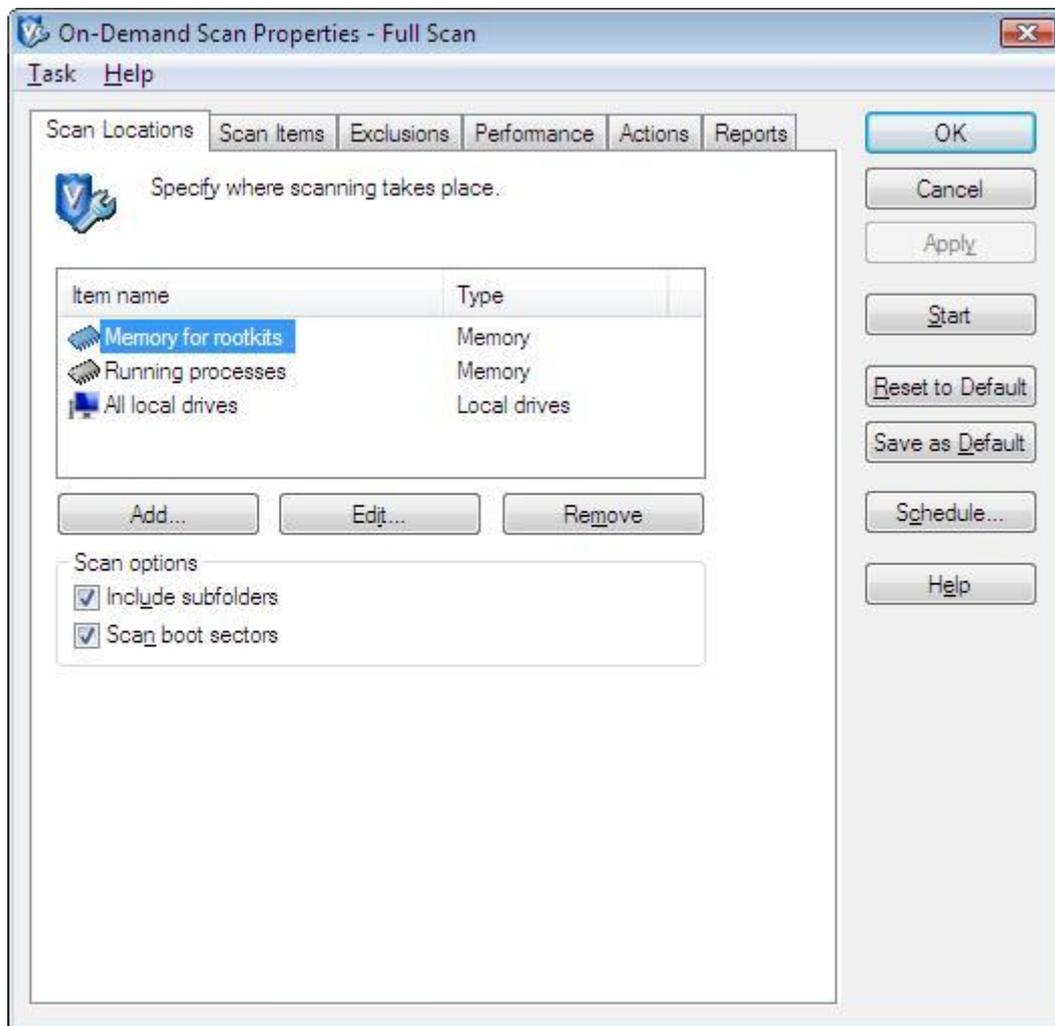


Figure 9- Figure 9- McAfee VS - On-Demand Scan Features

The "Start" button enables the user to start the scanning instantly. "Reset to Default" button enables the user to reset the settings to the default ones. "Save as Default" button enables the user to set the default settings according to his/her like. The scanning task can be scheduled to a certain time or time periods with the "Schedule" button (Figure 8).

Under "Action" button, the user can find the tasks that should be done if a file is found out to be infected by a virus. The default setting is set to clean the file automatically. If the file cannot be cleaned, the setting is set to move the file to a quarantine directory.

Under "Advanced" tab, "Find unknown program virus" and "Find unknown macro virus" options are selected by default under the "Heuristics" box. In "Non-viruses" box, "Find potentially unwanted programs" option is not selected as default. If this option is enabled, anti-virus software may prevent some spy programs that cause the display of some pop-up windows. "CPU utilization" enables the

user to determine how much of the CPU will be used during the scanning. In "Compressed files" box, there are options about scanning of zipped files. By default ".UPX" files are scanned. However, it does not scan the files that are coded as ".ZIP" and MIME (Figure 10).

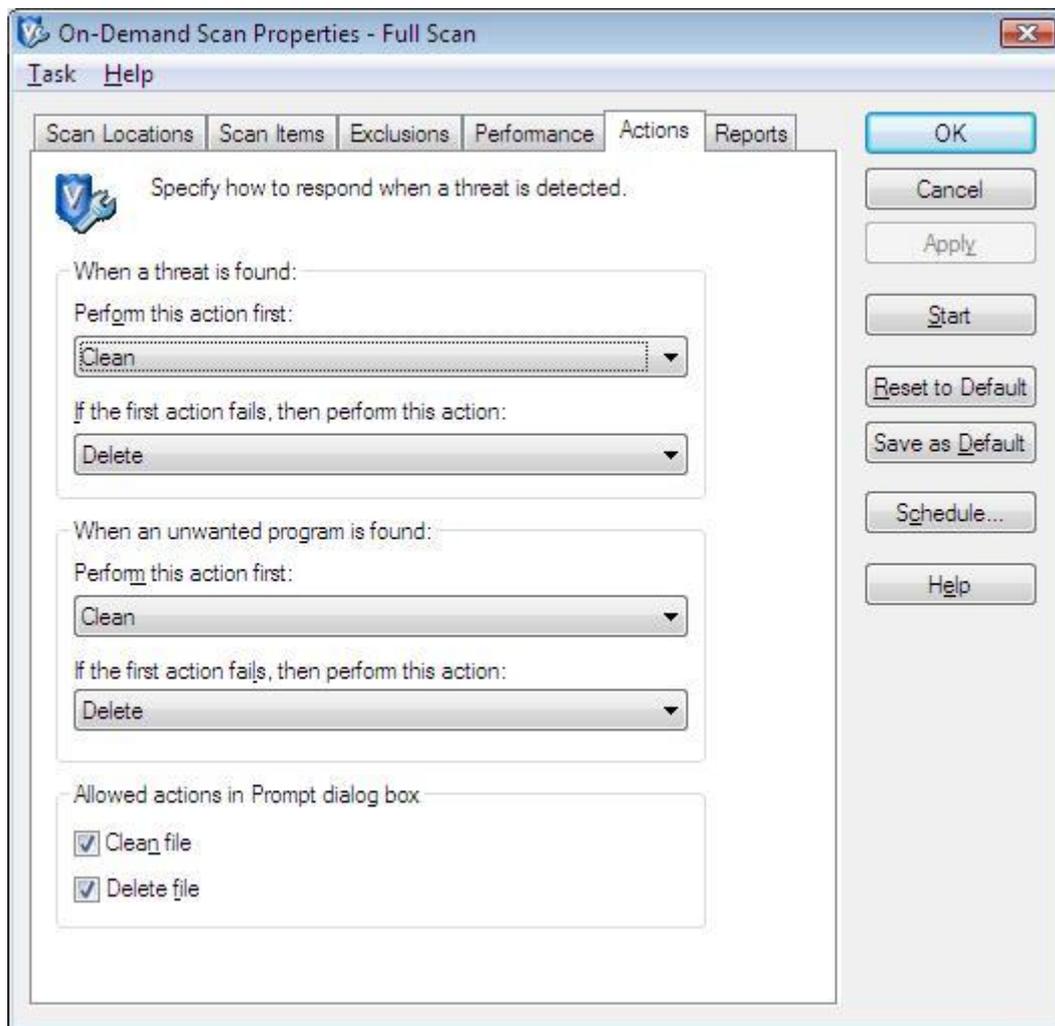


Figure 10- McAfee VS - On-Demand Scan Features - Actions

Under "Action" button, the user can find the tasks that should be done if a file is found out to be infected by a virus. The default setting is set to clean the file automatically. If the file cannot be cleaned, the setting is set to move the file to a quarantine directory.

If the user selects "Report" tab,

"Report" tab, when clicked due to a detection of virus activity on the computer, enables one to locate the logs that will be created and specify their maximum sizes. In addition to the virus activity, it records the name of the current user when the virus is detected, the encrypted files that were not scanned and the summary of the session.