User Guide

VirusBuster Professional 2005

VirusBuster
www.virusbuster.hu

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HARMFUL MALWARES

About computer viruses…

Spreading of the malware programs and increasing of the infections can be important security questions for any computer user. In the following lines you can find a summary review of the malicious programs, their operation and spreading.

Generally, the 'virus' expression means a computer program which endanger the data stored on the computer and/or the system's operation. Similar to a biological virus, the computer variant is also able to multiply itself and usually attaches to an executable file to be spread. When they are isolated (for example in an archived file) and they can't operate you can feel secure, they are harmless in such a case. But if they escape from the archives and become active they can be dangerous and perform considerable devastation in computer systems.

The malicious programs named 'viruses' in everyday language can be divided into groups by their activity and spreading methods.

There are so-called *boot viruses* which spelt the greatest danger among viruses till the middle of nineties. They try to infect the computer's boot sector which control the boot processes. These viruses can be activated at computer's boot time and although they are disappearing, it is worth mentioning them.

The majority of today's known viruses is put among *program viruses*. But surveying their rate in all the known active viruses, this leading role can't be stated. These viruses infect the DOS' .com, .exe, the Windows' NewEXE and the Windows95/NT's portable .exe formats. The program viruses' greater part insert their own code at the end of the program files and modify those to be started automatically when the host program is executed.

The *macro viruses* have appeared for just some years, but better and better invade our privacy. Their main target to infect Microsoft Office package's documents in which macros can be used. These documents are sent in e-mails frequently so the spreading of this kind of viruses is growing.

That viruses belong to the *script viruses* - as their name shows - are not spreading in binary code form but in source codes. For this reason anybody can modify easily the collected virus making a new variant of the original malware.

One of the viruses' subtype is the so-called worm viruses (worms). Several of them spreading in e-mail and try to exploit the possibilities of computer networks spreading from machine to machine using falsified sender address. Besides the waste of time spent on "handling" these e-mails, the worms can overload computer systems.

As the Internet became more popular, the number of e-mail viruses started to grow slowly and they are the top of the viruses at present. They spreading themselves in e-mails, sometimes in more hundred instances utilized the mailer programs or mailer servers. These infected mails can be recognized by their attachment which is the virus itself. The life cycle of the today's viruses accelerated. A typical mail virus is spreading fast after it is released, but practically it disappears in a short time thanks to the frequently updated virus databases.

Trojan programs also belong to the computer malwares. These are not able to spread without help and they always have some kind of hidden harmful routine to exploit the system vulnerabilities. As they can't spread themselves, you can get them in e-mails or by downloading the Internet. Based on their functionality there are different trojan programs.

The *backdoors viruses* opens a backdoor on the attacked computer providing clear way into the system.
The *dialer programs* change the dial-up Internet connection. They connect to a remote Internet provider instead of the local one increasing the user's telephone bill.
The *password stealing programs* try to collect the user's encoded files and the passwords found in the

memory and send them in a specified e-mail address.

You can see that the protection is reasonable for the viruses' wide incidence and their various form. The justification of antivirus applications is not a question for today in the area of computer security.

Virus infection symptoms

Infection symptoms strongly depend on the propagated virus' properties. The following list contains some common symptoms you can experience:

- Different problems on the computer (for example: file copy problems)
- The computer often stops or restarts itself.
- Getting messages from your mail partners that they are receiving infected mails from you.
- The computer running slower than usual.
- Less free memory is available than before.
- Menu items, functions or whole applications disappear.
- Program’s opening takes longer than before while configuration was unchanged.
- The size of the files increased seemingly without any reason.
- Some viruses simply display a message box to inform the infection.
- The date of the files changed.
- Unable to access drives.
- Strange graphical forms are displayed on the screen.

Keep computer virus free

Several viruses begin harmful activities in the world a day to start their attacks against the users and antivirus solutions with renewed effort. Because of the fast spreading the viruses are able to infect the unsuspicious users' computer in a short time.

If users devote their energies to prevention too they get back their efforts repelling a serious virus attack. Keep in mind, observing security requirements you can avoid data losing or other serious problems. Some tips how you can keep your computer infection-free:

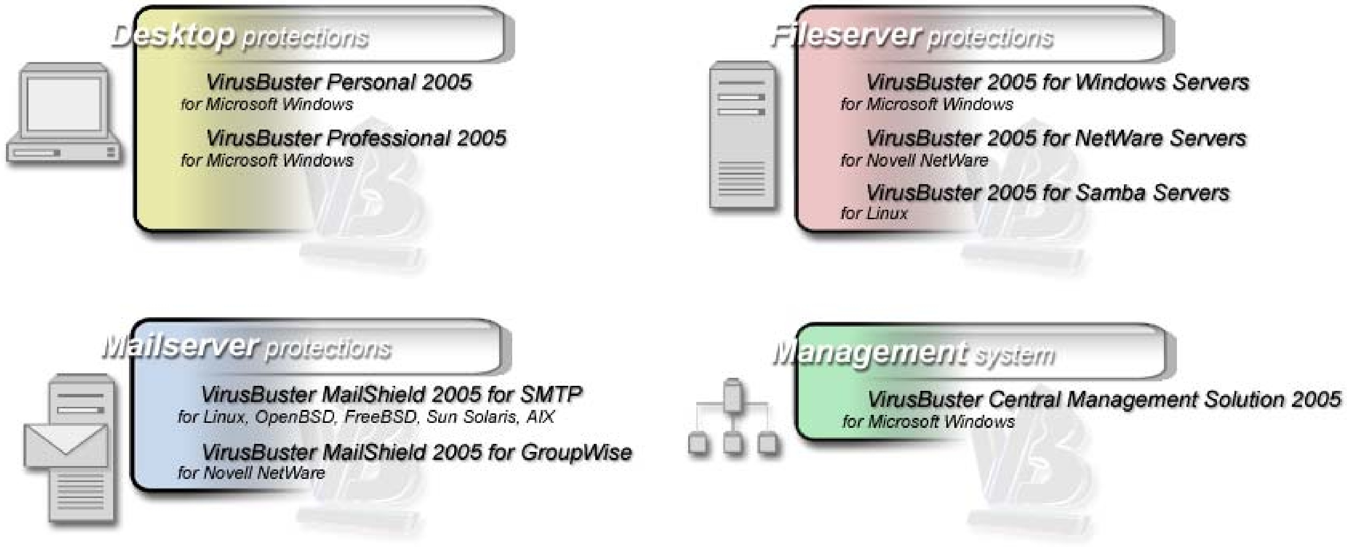
- Make virus scanning on data that get into system from external device.
- Use resident virus protection.
- Update the antivirus software's virus database as frequently as it is possible.
- Files attached to e-mails must be handled as potential contingency.
- Set user accounts using various authority levels.
- Importance of shared directory handling! Make access rights and permissions for different users.
- Use only official applications.
- Use firewall against outside intrusions.
- Get files from reliable source.
- Protect your own password information.
- Scan the whole system for viruses if infection symptoms are experienced.
- Do not make available your computer stored important data for anybody.

Users can defend themselves against viruses using reliable and up-to-date antivirus applications.

VIRUSBUSTER PRODUCTS

Product range

VirusBuster product collection provides comprehensive IT security and antivirus solutions for the personal and enterprise users.


Desktop protections
VirusBuster Personal 2005
for Microsoft Windows
VirusBuster Professional 2005
for Microsoft Windows
Fileserver protections
VirusBuster 2005 for Windows Servers
for Microsoft Windows
VirusBuster 2005 for NetWare Servers
for Novell NetWare
VirusBuster 2005 for Samba Servers
for Linux
Mailserver protections
VirusBuster MailShield 2005 for SMTP
for Linux, OpenBSD, FreeBSD, Sun Solaris, AIX
VirusBuster MailShield 2005 for GroupWise
for Novell NetWare
Management system
VirusBuster Central Management Solution 2005
for Microsoft Windows

Desktop protection

- The primary aim was to create a product, which suits the special needs of home users when creating VirusBuster Personal. The program can not only be operated easily, but its performance is equivalent to the version's, which has been developed for Windows workstations.
- VirusBuster Professional provides comprehensive protection for every workstation. Besides the resident file protection, it protects everyday work and e-mails by integrating into Microsoft Office applications and detects removes all harmful programs arriving from the Internet either while browsing or e-mailing.

Fileserver protection

- VirusBuster for Windows Servers and VirusBuster for NetWare Servers provide resident protection for the data, systems and the everyday work of the users, optimized to the increased data traffic of servers.
- The VirusBuster for Samba Servers ensures comprehensive virus protection for Samba fileservers.

Mailserver protection

- VirusBuster MailShield for SMTP was designed to be a mail system independent product, which can be easily integrated and flexibly configured to establish a comprehensive line of defense for any company's e-mail traffic against viruses and spam.
- VirusBuster MailShield for GroupWise provides continuous protection by filtering the e-mail traffic for viruses and other malicious codes and spam. The product can be installed as a module of VirusBuster for NetWare Servers.

Management system

- VirusBuster Central Management Solution provides a real and comprehensive central controlling and monitoring option on Windows networks. With the help of CMS, corporate networks can have a suitable up to date protection, which requires a minimal level of maintenance.

Our antivirus products contain the new VirusBuster virus scan engine providing that the latest improvements, technologies and functions to be available for users using any of our antivirus products.

The scan engine

All of our products are based on VirusBuster's scan engine, which has an outstanding performance. The engine also uses heuristic analysis to detect harmful programs. Thanks to its platform- and operating system independent scanning methods it effectively scans for all known viruses, worms, trojans, scripts, macro viruses and other harmful codes on any system even in compressed files. To improve the scanning of these files, the engine uses emulation techniques.

Main features:

- Heuristic analysis
- High-speed scanning
- Processor/PC emulation technologies if it is possible
- 99% of the scan engine is platform independent (the remaining 1% is the platform dependent parts' implementation)
- Flexible virus database architecture: any new file types can be built into the database
- Usage of independent scanning technologies
- Daily virus database updates
- Processor-/platform-independent virus database and scan engine technology
- Operating system independent file type recongizer and parser
- Native scanning in .tar, .gz, .bzip2, .zip, .rar, .arj, .ace, .chm, TNEF, ms cab archives and in install shield cab files
- Native scanning in files compressed with diet, upx, aspack, pecompact and fsg (other .exe packed files extracted with emulation technology)
- Scanning in embedded archives to any level (depends on system resources)
- Scanning for viruses, worms, trojans and other harmful codes
- Detecting and removing spywares and adwares
- Information about IWORMs that can be removed by deleting the whole mail
- Scanning in many executable files
- Scanning in Microsoft Word, Excel, PowerPoint, Access and Project files
- Scanning in embedded OLE objects
- Scanning in the new Office 2003 XML format
- Scanning in HTML, Java script, ActiveX and Visual Basic Script (VBS) files
- Scanning in other scripting language files, like Unix / Linux shell scripts
- Scanning in Windows Help files (HLP)
- Scanning in LNK and PIF files
- Built-in MIME parser for scanning e-mails, mailboxes and MHT files
- Supporting the following encoding methods: BinHex 4.0, Base64, Quoted-printable, UUEncode
- Native scanning in Outlook Express mailboxes

VIRUSBUSTER PROFESSIONAL 2005

The number of viruses and other threats, which arrive from the Internet is growing rapidly every day, therefore the effective protection of home users' and companies' workstations is crucial. A possible infection can not only cause loss of data, but the time and money spent on recovery can be a serious loss for the company and users.

VirusBuster Professional provides comprehensive protection for every workstation. Besides the resident file protection, it protects everyday work and e-mails by integrating into Microsoft Office applications and detects removes all harmful programs arriving from the Internet either while browsing or e-mailing.

The integrated Office module in VirusBuster Professional is a plug-in protection, which scans documents and messages after decryption, but before execution inside MS Office (Word, Excel, PowerPoint, Outlook, Access) applications. When using Professional, the encrypted document or e-mail can only be viewed by the sender and the recipient and there is no central gathering, decryption and scanning so as to protect your privacy.

Main features:

- Effective protection for your computer against viruses
- Easy to use, wizard style user interface
- Advanced user interface for experienced users
- Task oriented operation
- Manual, automatic and scheduled scanning
- Resident protection with pre-defined protection levels
- Task oriented, modular updates
- Intelligent quarantine for infected files
- Resident protection integrated into MS Office applications to protect everyday work
- E-mail protection integrated into MS Outlook
- Supports Windows Security Center
- Daily virus database updates

Minimal system requirements

The following system requirements must be available to execute the program:

- Windows 95/98/Me/NT/2000/XP operating system
- Intel Pentium (or compatible) processor at 400 MHz
- 64 MB memory of RAM
- 20 MB of free hard disk space

- Internet Explorer 5
- In case of using Windows 9x/Me/NT4: version 6.0 of msvcp60.dll, msvcrt.dll, mfc42.dll, mfc42u.dll
- In case of using Windows 95: Windows Sockets 2
  (For more information about these requirements please read the **`readmeen.txt`** file could be found in the installation kit)

Installation

Please make sure, that your computer is virus free before installing the software! The anti-virus software can only operate properly if it was installed on a virus free computer. Perform a virus scan on the computer with the help on VirusBuster Scanners 2005's latest version, which can scan the whole system for viruses in a fast and easy way.

> ! Note!
> If an anti-virus software is already installed on the computer, it has to be removed before installing VirusBuster. If an older version of VirusBuster is installed on the computer, it should be removed as well!

The product's installation package is available in two versions:

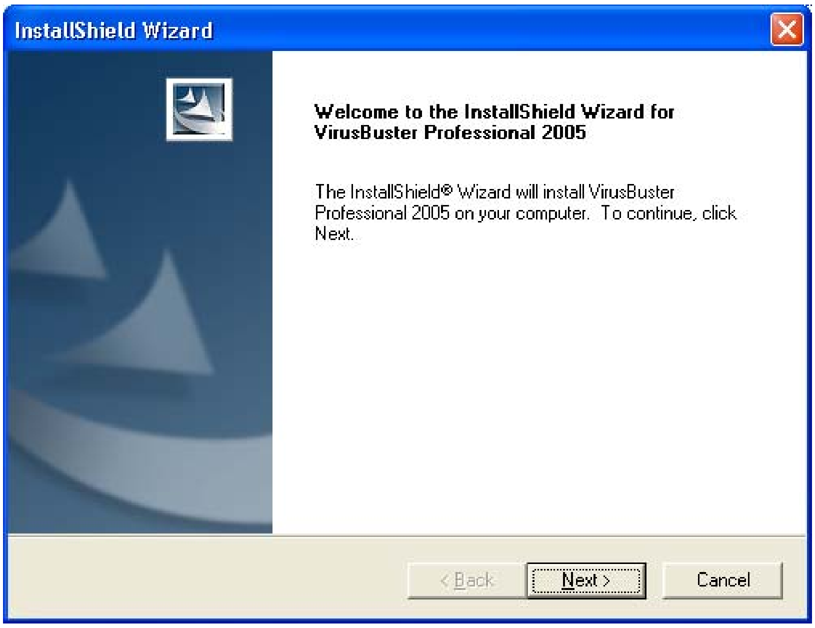
- Self-extracting compression (`winprof.exe`), which contains the whole product package. After having executed the above file, the installation package will be decompressed and the installation will be started.
- Uncompressed version, installation can be initiated by starting `setup.exe`.

On the installation disk, the installation packages can be found at the following paths ('X' = CD drive):

- Compressed: `'X':\vbuster\zips\winprof.exe`
- Uncompressed: `'X':\vbuster\windows\prof\setup.exe`

Normal installation

The InstallShield Wizard's instructions should be followed, which will guide you through the installation process.



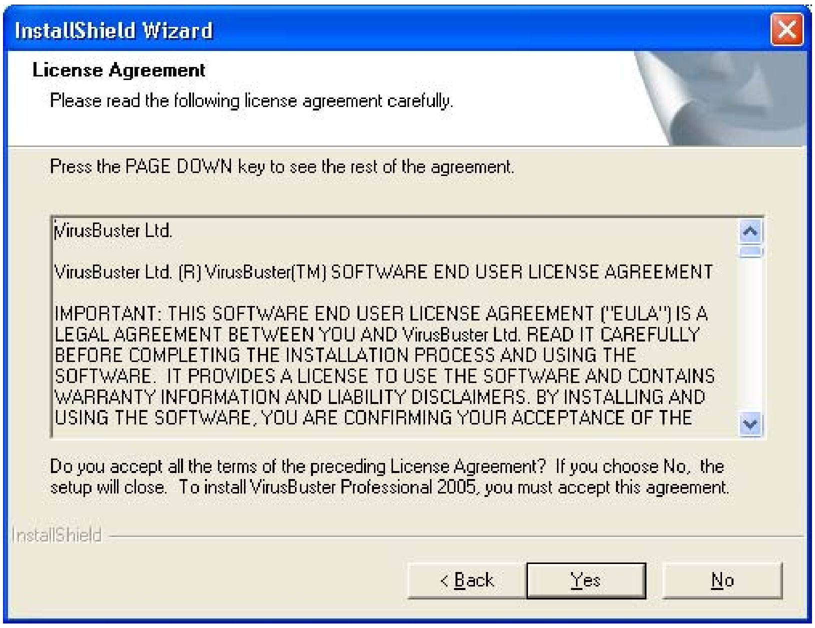
Welcome to the InstallShield Wizard for VirusBuster Professional 2005

The InstallShield® Wizard will install VirusBuster Professional 2005 on your computer. To continue, click Next.

Welcome screen

You can move forward from the welcome screen by clicking on the **|Next >|** button. The end user licence agreement will be displayed in the next window. Generally, on the bottom of every window, you can step back with the **|< Back|** button and quit the installation process with the **|Cancel|** or **|Exit|** buttons.

Displaying and accepting the license agreement:



InstallShield Wizard

License Agreement

Please read the following license agreement carefully.

Press the PAGE DOWN key to see the rest of the agreement.

VirusBuster Ltd.

VirusBuster Ltd. (R) VirusBuster(TM) SOFTWARE END USER LICENSE AGREEMENT

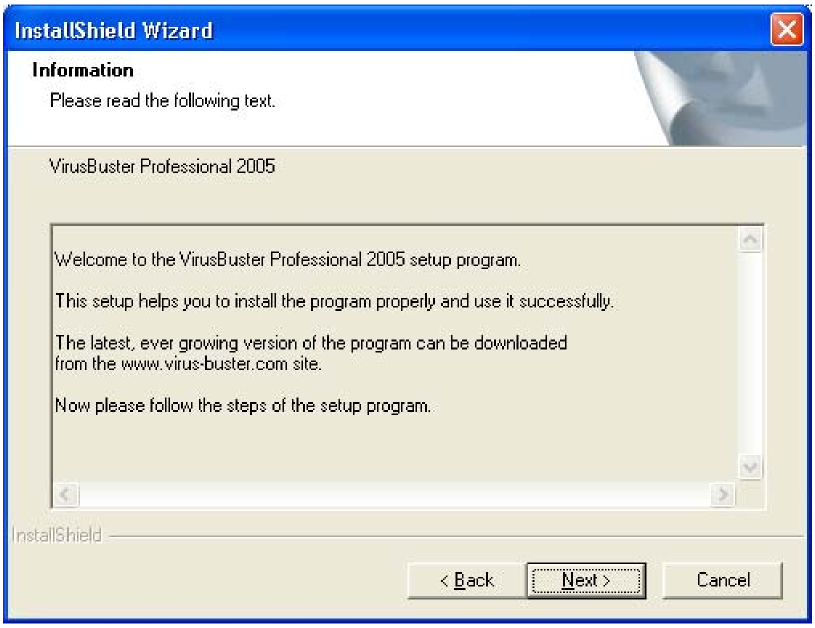
IMPORTANT: THIS SOFTWARE END USER LICENSE AGREEMENT ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU AND VirusBuster Ltd. READ IT CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AND USING THE SOFTWARE. IT PROVIDES A LICENSE TO USE THE SOFTWARE AND CONTAINS WARRANTY INFORMATION AND LIABILITY DISCLAIMERS. BY INSTALLING AND USING THE SOFTWARE, YOU ARE CONFIRMING YOUR ACCEPTANCE OF THE

Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install VirusBuster Professional 2005, you must accept this agreement.

End user license agreement

Please overview the agreement and select the **|Yes|** button, if you accept the term and conditions and would like to continue the installation process. If you do not accept the terms and conditions of the above agreement, choose the **|No|** button, which will terminate the installation process and exit the InstallShield Wizard.

The next window contains information about the product:



InstallShield Wizard

Information

Please read the following text.

VirusBuster Professional 2005

Welcome to the VirusBuster Professional 2005 setup program.

This setup helps you to install the program properly and use it successfully.

The latest, ever growing version of the program can be downloaded from the www.virus-buster.com site.

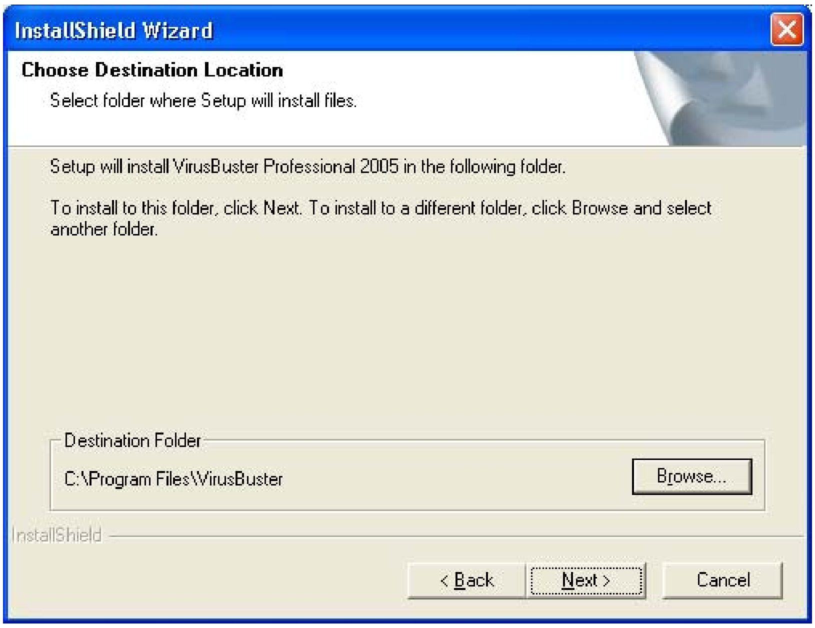
Now please follow the steps of the setup program.

Information panel

You can step forward with the **|Next >|** button, and specify the installation path.

By default, the product will be installed on the system partition in the `Program files\VirusBuster\` directory, which can be changed by clicking on the **|Browse…|** button, where you can browse through the drives and directories available on you computer and choose the needed path for installation. After having selected the installation path, you can move forward by clicking on the **|Next >|** button.

Choosing the installation path:



InstallShield Wizard

Choose Destination Location

Select folder where Setup will install files.

Setup will install VirusBuster Professional 2005 in the following folder.

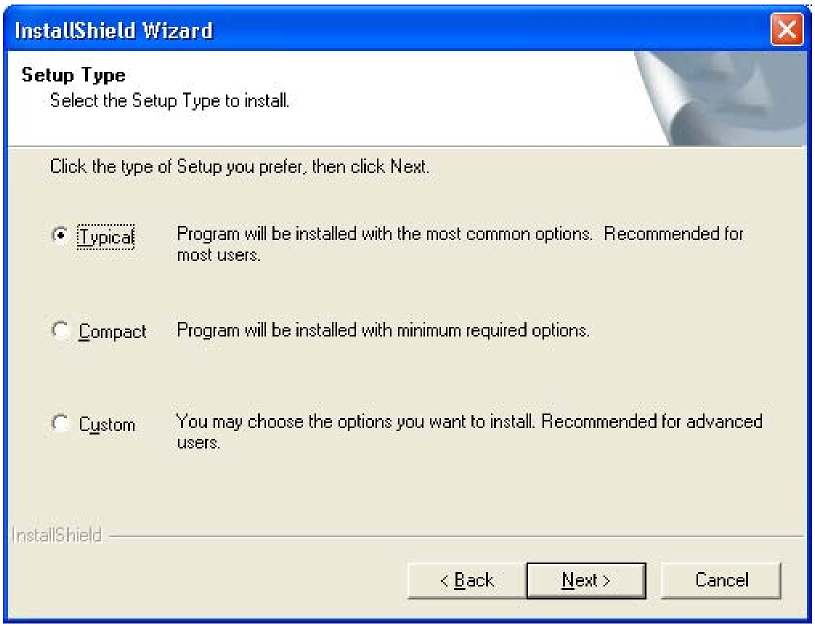
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder

C:\Program Files\VirusBuster

Specifying the installation path

Choosing the installation mode:



InstallShield Wizard

Setup Type

Select the Setup Type to install.

Click the type of Setup you prefer, then click Next.

● Typical Program will be installed with the most common options. Recommended for most users.

○ Compact Program will be installed with minimum required options.

○ Custom You may choose the options you want to install. Recommended for advanced users.

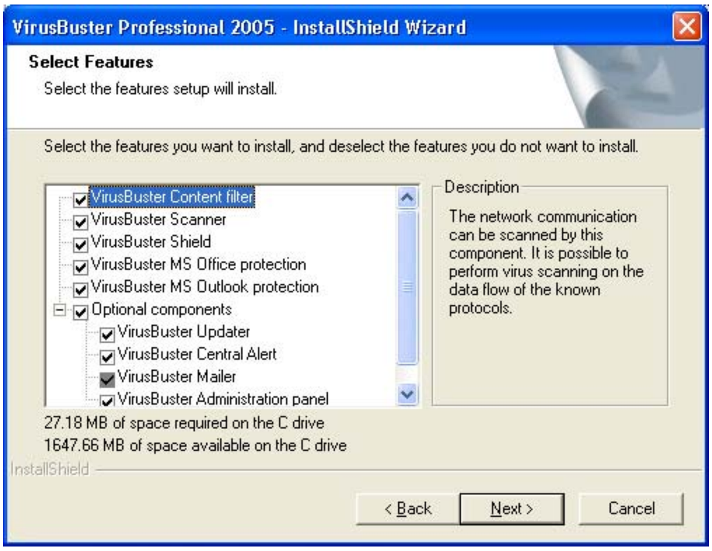
Choosing the installation mode

The most suitable installation mode in most cases is the *Typical*, and if there is no reason to choose one of the other two options, this one should be selected. This time the following panel will be the *SMTP mail client settings* window.

The *Compact* installation mode only installs basic components. The product will be operational, but some of the extra functions may not be accessible if this option is selected. The following panel will be:Specifying registration information window.
The *Custom* installation mode is only advised for experienced users. The user can specify the components, which should be installed, if this option is selected.

After selecting install modes you can continue the installation by clicking on the **|Next >|** button.

Choosing components, which will be installed:



VirusBuster Professional 2005 - InstallShield Wizard

Select Features

Select the features setup will install.

Select the features you want to install, and deselect the features you do not want to install.

- ☑ VirusBuster Content filter
- ☑ VirusBuster Scanner
- ☑ VirusBuster Shield
- ☑ VirusBuster MS Office protection
- ☑ VirusBuster MS Outlook protection
- ☑ Optional components
  - ☑ VirusBuster Updater
  - ☑ VirusBuster Central Alert
  - ■ VirusBuster Mailer
  - ☑ VirusBuster Administration panel

Description

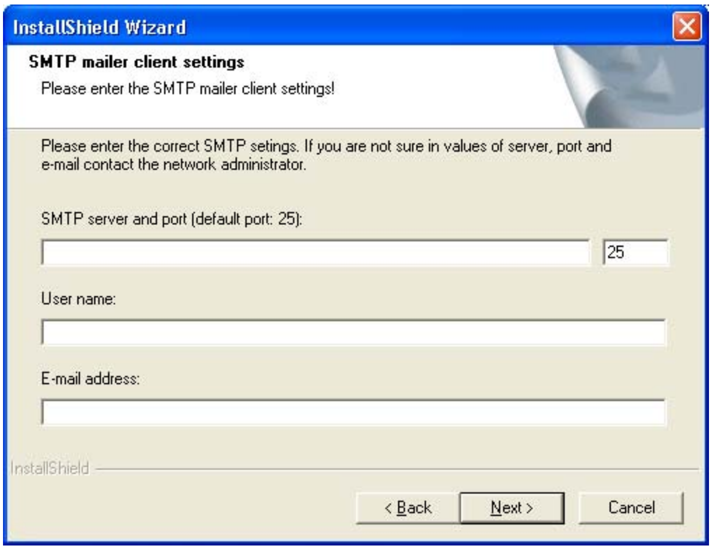
The network communication can be scanned by this component. It is possible to perform virus scanning on the data flow of the known protocols.

27.18 MB of space required on the C drive
1647.66 MB of space available on the C drive

Choosing components, which will be installed

Information will be displayed about the selected module on the right side of the window under *Description* by clicking on one of the components. The *MS Office* and *MS Outlook* protection components can only be selected (installed) if the product, which can be protected by these components is installed on the computer. After selecting the needed components, you can move forward by clicking on the **|Next >|** button. Display of the following panels depends on the selected components.

SMTP mailer client settings:



InstallShield Wizard

SMTP mailer client settings

Please enter the SMTP mailer client settings!

Please enter the correct SMTP setings. If you are not sure in values of server, port and e-mail contact the network administrator.

SMTP server and port (default port: 25): 25

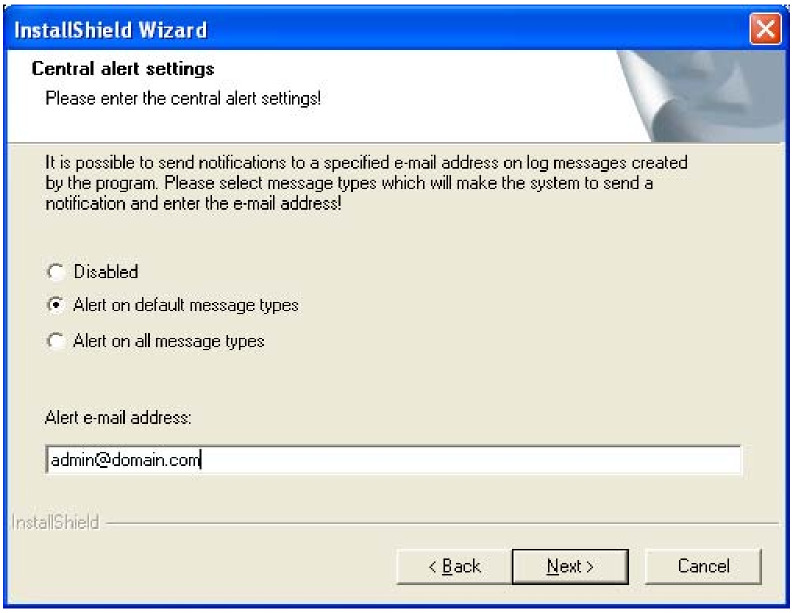
User name:

E-mail address:

SMTP mailer client settings

The settings of the *Mailer* component can be specified in this window. This component is responsible for the message sending functions of the product. For more information about settings should be specified on this panel see the chapter *Sending mails*. These settings can be specified in the software as well, after installation. Click on **|Next >|** button to continue. If you have select the Typical mode before, you will be navigated to the *Specifying registration information* window.

Using the Central alert function, it is possible to ”control” the log messages created by the program. Please select one of the available options to set Central alert!



Central alert settings

Please enter the central alert settings!

It is possible to send notifications to a specified e-mail address on log messages created by the program. Please select message types which will make the system to send a notification and enter the e-mail address!

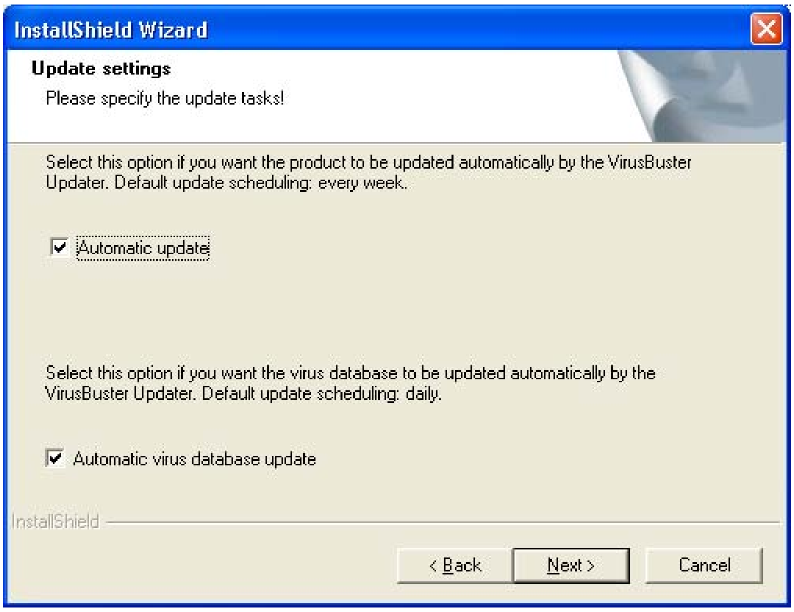
○ Disabled
● Alert on default message types
○ Alert on all message types

Alert e-mail address: admin@domain.com

Central alert setting

The program is able to send notifications to a specified e-mail address – for example to the system administrator – on log messages created by the program to inform about the system operation.

The settings of the updater can be modified in the *Update settings* window:



Update settings

Please specify the update tasks!

Select this option if you want the product to be updated automatically by the VirusBuster Updater. Default update scheduling: every week.

☑ Automatic update

Select this option if you want the virus database to be updated automatically by the VirusBuster Updater. Default update scheduling: daily.

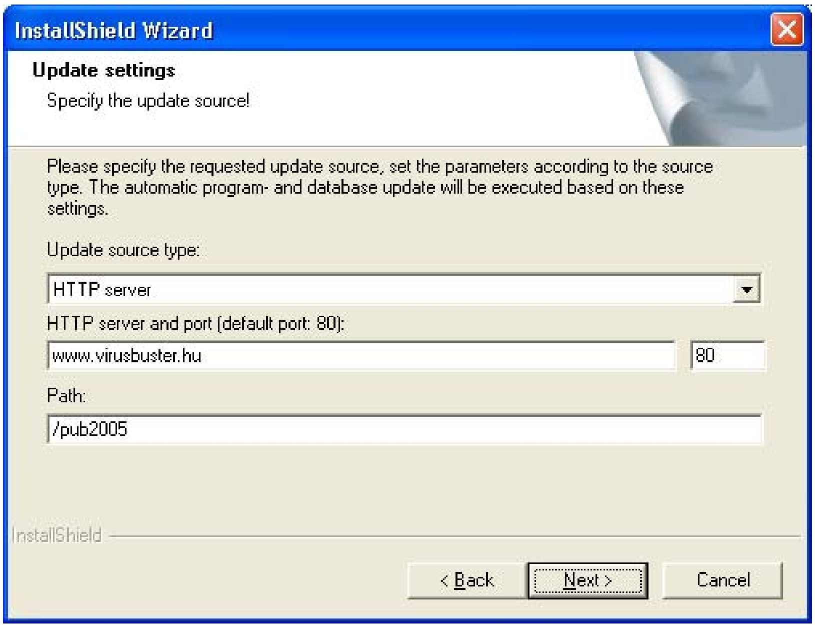
☑ Automatic virus database update

Update task settings

Update tasks will update the anti-virus software in given periods so that your protection is always effective and up-to-date, therefore creating default update tasks is advised. By default, the product contains tasks for the automatic update of the virus database and the software itself. You can step forward by clicking on the **|Next >|** button, to set the update source. If you don't want to create on of the default tasks, a warning window will inform you about the importance of regular updates, and you can only move forward to the Registration data panel after accepting this window.

Specifying the update source:

Select one of the *HTTP* or *FTP server* types or use the *Local/network path* option (in this case, please specify the update source). The automatic software and virus database updates will try to update software components from the source specified here. These settings can be specified or modified later in the product.



InstallShield Wizard

Update settings

Specify the update source!

Please specify the requested update source, set the parameters according to the source type. The automatic program- and database update will be executed based on these settings.

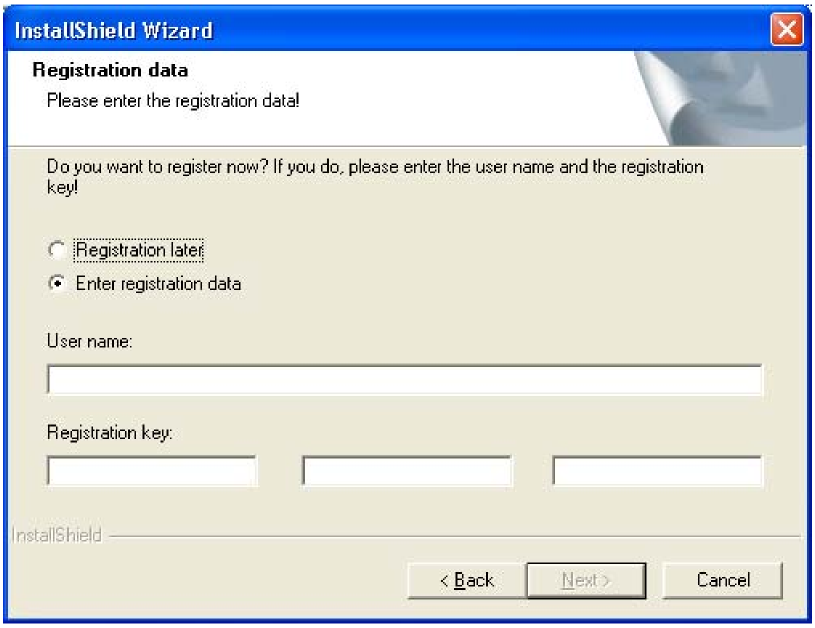
Update source type: HTTP server

HTTP server and port (default port: 80): www.virusbuster.hu 80

Path: /pub2005

Update source settings

Specifying registration information:



Registration data

Please enter the registration data!

Do you want to register now? If you do, please enter the user name and the registration key!

○ Registration later

● Enter registration data

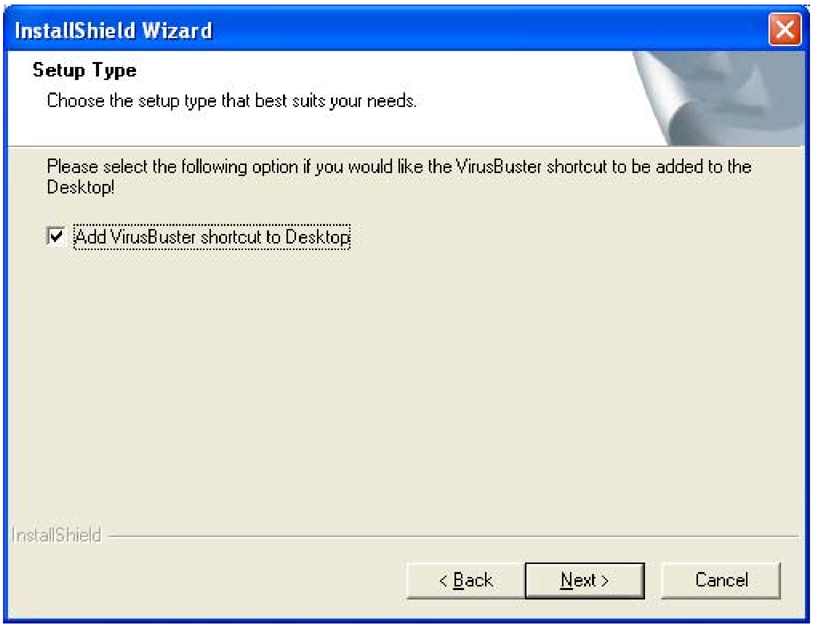
User name:

Registration key:

Registration information

The software can be registered during the installation process by typing the user name and the registration key in the appopriate fields. The software can be installed without registration by selecting the *Register later* option and by clicking on the **|Next >|** button. Detailed information about this topic can be found in the *Buy, register, activate* section.

Choose Desktop icon:



Setup Type

Choose the setup type that best suits your needs.

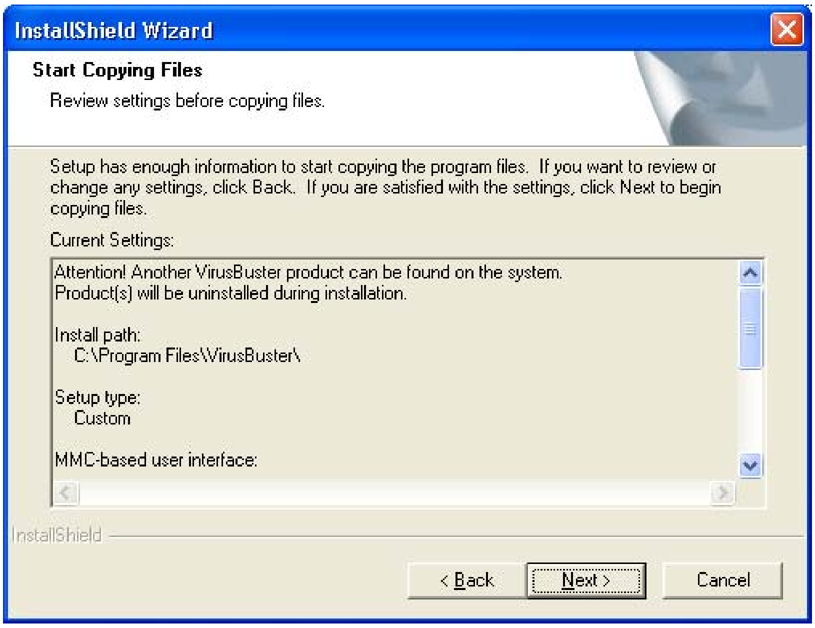
Please select the following option if you would like the VirusBuster shortcut to be added to the Desktop!

☑ Add VirusBuster shortcut to Desktop

Add shortcut to desktop

If you would like a VirusBuster shortcut to be displayed on the Desktop, please check this option!

Starting the installation:



InstallShield Wizard

Start Copying Files

Review settings before copying files.

Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.

Current Settings:

Attention! Another VirusBuster product can be found on the system.
Product(s) will be uninstalled during installation.

Install path:
C:\Program Files\VirusBuster\

Setup type:
Custom

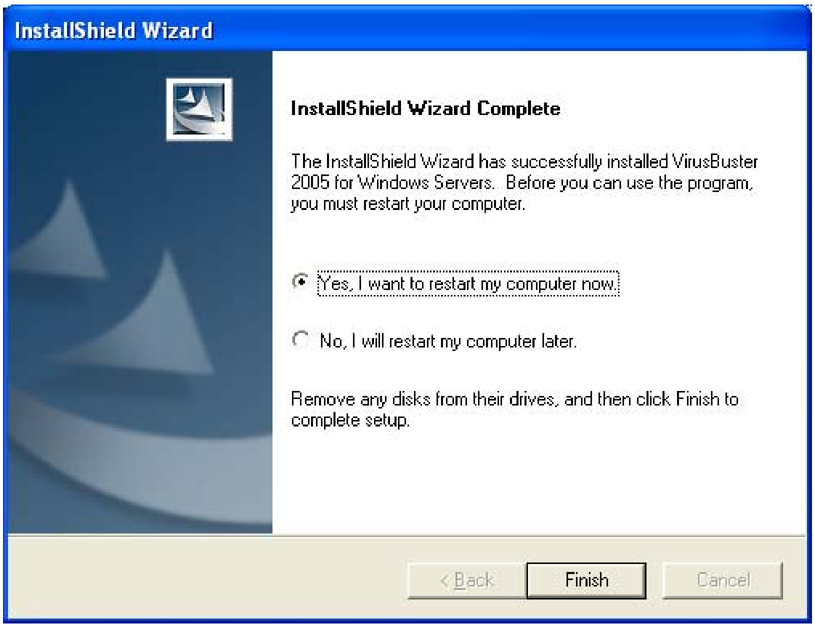
MMC-based user interface:

Starting the installation

Finally, you can overview the settings and components, which will be used during the product's installation.

The files' copying will be started by clicking on the **|Next >|** button.

Successful installation:



InstallShield Wizard

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed VirusBuster 2005 for Windows Servers. Before you can use the program, you must restart your computer.

● Yes, I want to restart my computer now.

○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

Successful installation

If the installation was finished without any problems, you can exit the installer after all files have been copied by clicking on the **|Finish|** button, the software has been installed successfully.

Installation with parameters

By specifying parameters after the installation executable (`setup.exe`), other installation modes can be accessed, which are not available on the installation interface. You can find detailed information about these parameters and installation modes in the `readmeen.txt` file, which can be found in the installation package.

If the installation has not started…

Please check, that your computer fits all minimal system requirements. Check, if your system has all needed system and program components. Without these, installation cannot be performed and an error message will inform you about the needed system component, which should be present in your computer before installing the anti-virus software. You can find detailed information about this topic in the `readmeen.txt` file, which can be found in the installation package.

Remove, modify, repair

If you want to remove VirusBuster from you computer, or you want to modify the installed components or reinstall installed components, you have to perform the following:

- Click on the *Add/remove program* icon on the *Control panel*!
- Search for the product, which should be removed in the list, and select it.
- Click on the **|Modify/remove|** button!

You can select the needed operation in the window, which is displayed:

- *Modify*
  If you select this option, a component list will appear after clicking on the **|Next >|** button. By selecting or deselecting components in the list, you can add new components, or remove installed ones. The needed operations (installation/removal) will be performed after clicking on the next button.
- *Repair*
  Reinstalls installed components.
- *Remove*
  Uninstalls all installed components from the computer.

Starting from the Start menu

VirusBuster products will be registered under Start / Programs / VirusBuster during installation. All the shortcuts related to the product are placed here, the software can be started here and product-related documentation can also be opened from this menu.

The program can be started with the following shortcut:

- *VirusBuster 2005 Console*
  The products' general comprehensive wizard-based graphical user interface, through which the installed components can be accessed.

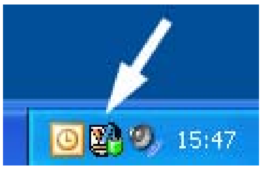
! Note
In case of installing several different VirusBuster products, individual products can be started with this shortcut jointly.

There are shortcuts for documentation (Help), which contains detailed information about the usage of products and their operation.

The installed components and functions can not only be controlled from the comprehensive interface, but can be started individually from the *VirusBuster Components* directory, if the VirusBuster console is not running. If one of the components was not started from the console, it cannot be accessed from it until it has not been stopped.

System tray

VirusBuster can be accessed from the system tray. A VirusBuster icon will be displayed in the tray after installation, indicating that the VirusBuster product is present in the system.

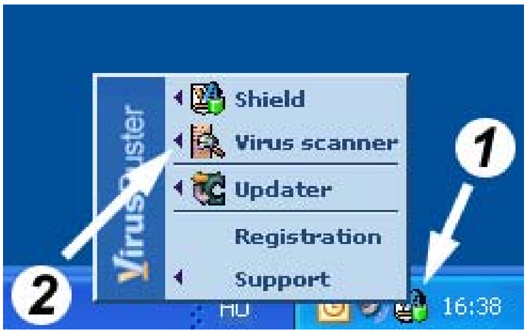


VirusBuster icon on the system tray

The little shield on the icon indicates the status of the *Shield (Resident protection)*, which provides continuous virus protection for the system (if this function is not installed, the shield is not displayed). The shield's colour indicates the protection's status:

- *Green*
  The *Shield* is active, the computer is protected against viruses (if the product is registered or is in a trial period).
- *Grey*
  The *Shield* is not functioning, there is no resident virus protection.

The most important functions of the program can be accessed from the system tray easily, the most commonly used components and tasks can be started from here. By clicking on the VirusBuster icon (1) with the right mouse button, a local menu will appear where the needed function can be selected. If a menu has a sub-menu, it will be indicated with a little arrow in front of the menu item's name (2).



VirusBuster icon on the system tray – local menu

The following items are always listed in the menu:

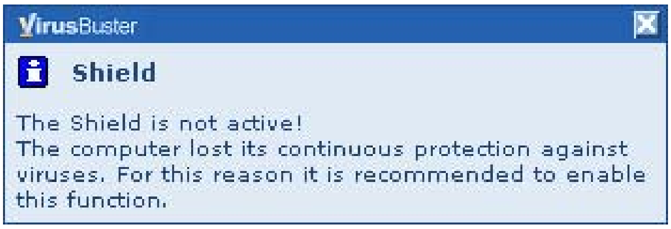
- *Registration*
  This menu item contains all function related to purchasing or registering the software. Detailed information about this topic can be found under the Buy, registration, activation section.

- *Support*
  This menu item contains three items, which are the following:
  Help
  The installed products' documentation files can be accessed here.
  Contact us
  With the help of this function you can send an e-mail to VirusBuster about the product, if the *Mailer* component is installed (detailed description under the *Mail sending* section).
  Information
  Opens VirusBuster's home page.

After registering the software or during the trial period, the most important installed components and the available scanning or update tasks can be accessed from the menu. The VirusBuster Console can be started by clicking twice on the menu with the left mouse button.

Pop-up windows

Through the little information boxes – pup-up windows – displayed above the System Tray users get quick and immediate information about the status of the antivirus system and events occurred during the program operation.



Shield

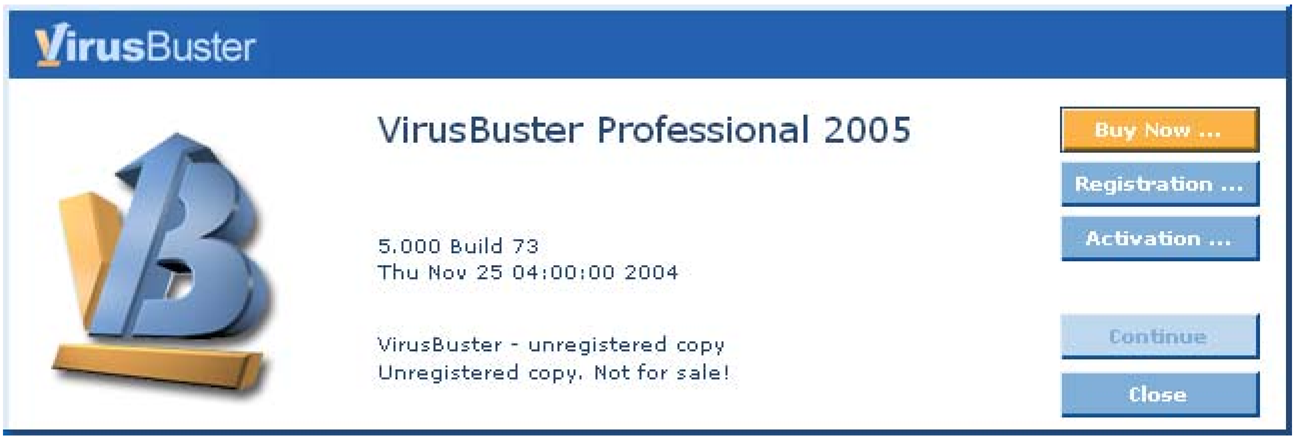
The Shield is not active!
The computer lost its continuous protection against viruses. For this reason it is recommended to enable this function.

Pop-up window

The title highlighted with bold characters shows the „sender" of the displayed message. The message informs users about this module's operation or message. Certain cases there is a button placed between the message lines. Clicking on it users can navigate to the offered function directly (for example if the message warns user of virus database update, the action could be started immediately by clicking on the **|Update|** button).

The pop-up window will close itself after a while, users can also do it by clicking on the **|X|** button placed on the right-upper corner of the pop-up window.

Buy, registration, activation



VirusBuster Professional 2005

5.000 Build 73
Thu Nov 25 04:00:00 2004

VirusBuster - unregistered copy
Unregistered copy. Not for sale!

Not registered product – warning window

The installed anti-virus software can be used for 30 days with full functionality after the first installation. During this *'Trial period'* the user can access all functions and settings and all virus removal functions are available. The software is a full functionality virus protection during this period, the only difference between the registered and the trial version is that it regularly warns the user in a message window (when starting components), that it is a trial period and the software can be registered using several methods. Several options are available: the product can be purchased, registered or activated or – only during the trial period – the **|Continue|** button can be used to start the software (and to postpone buying, registration, activation). The **|Exit|** button will close the program.

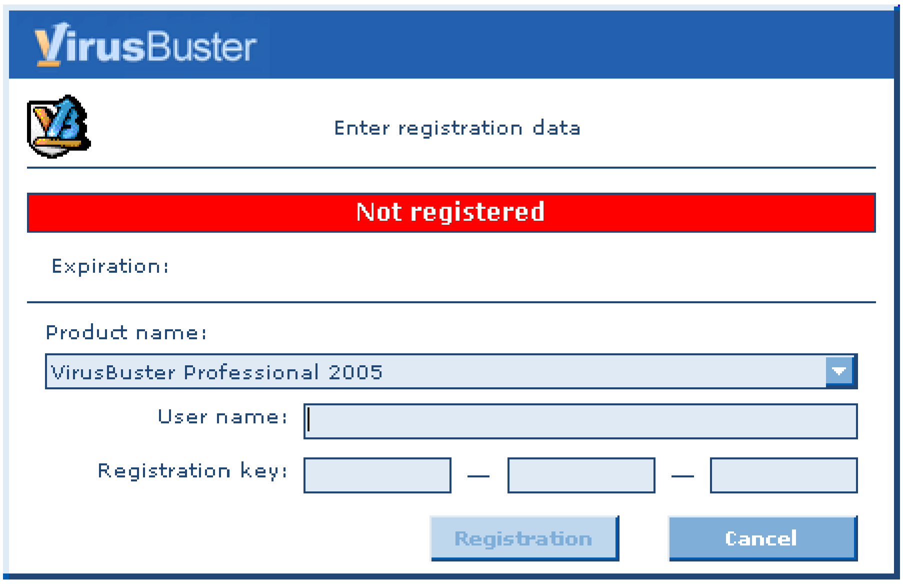
Buy

The buying function is available in the pop-up window by clicking on the **|Buy …|** button. The software redirects the user to VirusBuster's home page, on which the product can be bought online – this is an e-mail based license order – and the user will receive the registration information, which can be used for registering the product.

Registration

The product can be used with full functionality for 30 days after installation, this is the trial period. After this period, the software cannot be used without registering it with a valid registration key. The panel, where the program can be registered can be opened by clicking on the **|Register …|** button on the pop-up window or by accessing this function from the VirusBuster icon's menu in the system tray.

On the registration panel, the product, which is needed to be registered can be selected from the *Product's name:* drop-down menu (several products can be installed on one computer at the same time). The registration information must be typed in the *User name:* and *Registration key:* fields accordingly. Then the software can be registered by clicking on the **|Register|** button, if valid registration information was supplied and the date of expiry will be displayed on the panel. A green line will appear with *Registered* written on it.



Enter registration data

Not registered

Expiration:

Product name: VirusBuster Professional 2005

User name:

Registration key:

Not registered product – registration window

When the registration expires, the product can be used with full functionality until the next software update. According to the products' license agreement, the right to use product updates is only valid during the license period!. According to this, the product can only be updated after the registration has expired, if a new license is bought and the software is registered again. If a new license is not bought and the product is not registered again, an update will cease all functionality. The above is not valid for the virus database, the database can be updated without any limitations, but the vendor will not provide any guarantee for the software's compatibility with the new database updates.

Activation

During the activation process, the user can request the product registration key (3x5 characters) with the activation key (3x4 characters) online. The activation is not the registration itself, but the process of acquiring the registration key. The beginning of the registration period will be the day of activation and is valid for the period set in the license agreement.
The activation panel can be accessed in a pop-up window by clicking on the **|Activate …|** button.

User interface

VirusBuster products have a unified appearance, which provides a comprehensive control interface for the programs. The installed products can be started with the same program icon (*Starting from the Start menu*), all of the installed components are available on the joint user interface.

> Important!
> If the user logged into the system without administrator rights (low level user) then most of the settings will not be available for this user on the user interface!

VirusBuster products have a wizard-based user interface, on which the user can modify the settings of the product easily. The functions' settings can be modified step-by-step with the help of the detailed description on each settings panel.

The settings of the protection components on the wizard-based interface can be modified on two levels, which are the following:

- *Simple* user interface
  This interface is for beginner users. Only the basic settings are listed, only the most important parameters can be modified. The protection can be suited to the user's needs with the pre-set settings combinations.
- *Advanced* user interface
  This interface was designed for experienced users. All settings are available on this interface and the system can be totally customized for unique needs.

You can switch between the two interfaces with the **|Simple|** – **|Advanced|** buttons on the bottom of each settings panel.

> Important!
> In case of switching from the *Advanced* user interface to the *Simple* user interface, there may be some settings, which cannot be associated with any of the settings combinations on the simple interface. In this case – if the switching is done – all the settings modified on the advanced interface will be lost and will be replaced with a settings combination, which can be displayed on the simple interface.

The interface's structure

VirusBuster's user interface can be displayed by starting it from the *Start menu* with the *VirusBuster Console* shortcut. On this interface, the needed settings can be modified, a virus scan can be started, messages can be sent, etc. with the help of menus and panels.

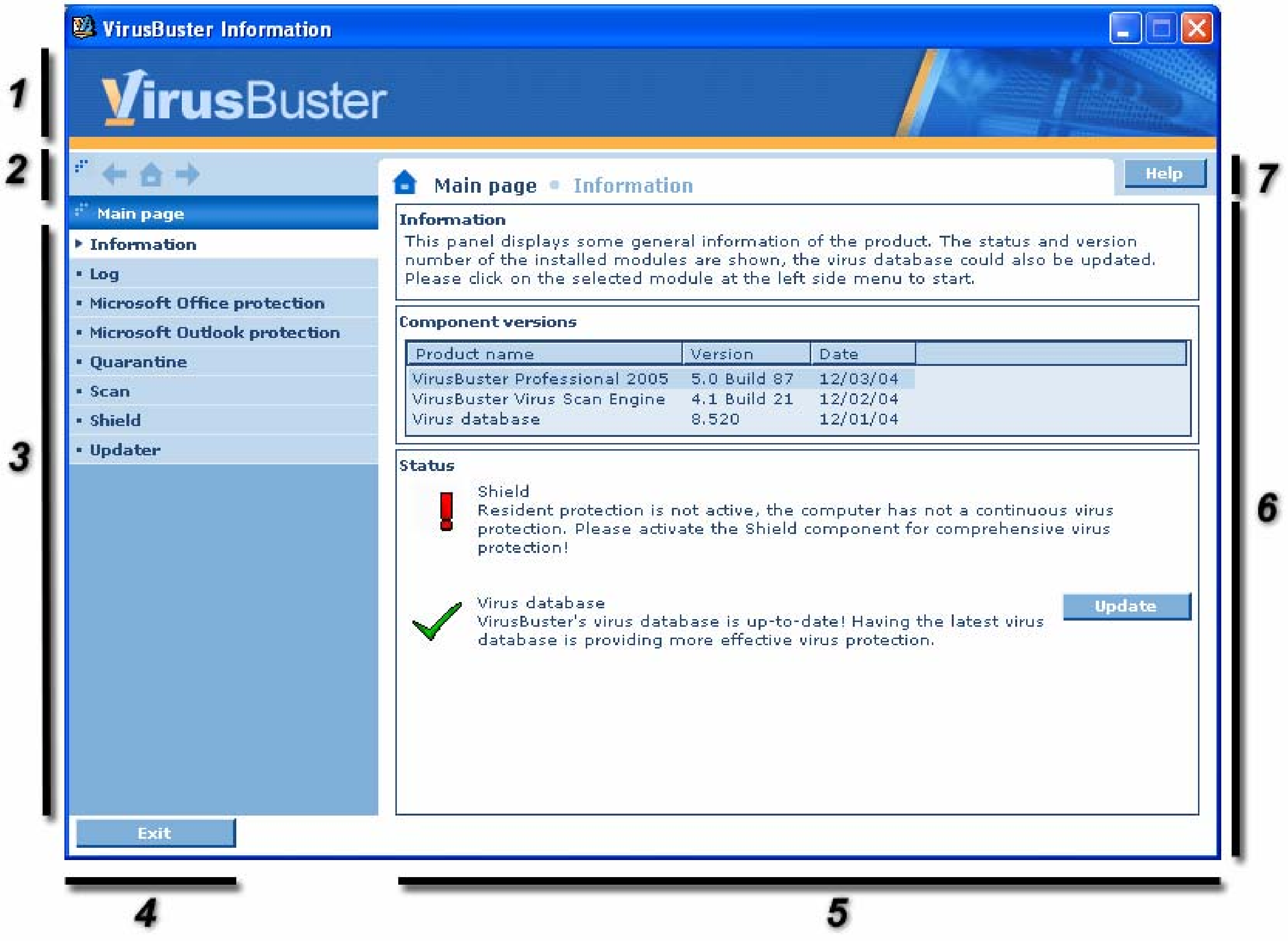
After having started the console, the *Main page* will appear, which contains basic information about the program. You can overview the status and version numbers of the installed VirusBuster products and the most important components. The virus database's update can be started by clicking on the **|Update|** button. You can overview the status of the *Shield* and the version of the virus database. The used icons and their meaning:

✓ Service active / In case of the virus database: the database is newer than 7 days, it is up to date.

❗ The service is stopped / In case of the virus database: The database is older than 7 days

! The service is not installed / In case of the virus database: virus database error.

You can overview the settings of each component with menus (3) on the console. By clicking on one of the menus, the component's options, settings will be displayed on the settings panel (6). In this case, the sub menus of the selected component will be displayed in the menu (3), with the help of which you can access other functions and settings of the component or you can see the step you are currently at in a multi-step settings process. You can return to the Main page by clicking on the navigation panel's (2) house icon. Each step of the navigation can be accessed with the right and left arrows.



Information
This panel displays some general information of the product. The status and version number of the installed modules are shown, the virus database could also be updated. Please click on the selected module at the left side menu to start.

Component versions

Product name	Version	Date
VirusBuster Professional 2005	5.0 Build 87	12/03/04
VirusBuster Virus Scan Engine	4.1 Build 21	12/02/04
Virus database	8.520	12/01/04

Status

Shield
Resident protection is not active, the computer has not a continuous virus protection. Please activate the Shield component for comprehensive virus protection!

Virus database
VirusBuster's virus database is up-to-date! Having the latest virus database is providing more effective virus protection.

Wizard-based user interface

The structure of the interface:

1 *Header*
The window's header, VirusBuster logo.

2 *Navigation panel*
Navigation through the selected menu items and the panels. You can access the previously viewed panel(s) and menu(s) with the left arrow and you can access the last step, from which you have stepped back with the right arrow. You can access the main page by clicking on the house icon. The lock symbol shows if the main options are changeable or not (Administration).

3 *Menu*
You can access the settings panels of the installed components with the menu items.

4 *Exit*
You can exit the program anytime by clicking on the **|Exit|** button.

5 *Panel control buttons*

On most of the settings panels there are several buttons to help the settings process or to start a process, with the help of which you can switch between the simple and advanced user interfaces, go through a settings process or start the selected task.

6 *Settings panel*
The settings panel of the component, option or operation, which was selected in the menu (3) is displayed here. This is the panel, on which settings can be modified and tasks can be added or started.

7 *Help*
You can view help in connection with the active panel's settings.

How to test virus scanning engine

In order to see what happens, when our virus scanning engine finds an infected file, you can use the EICAR (European Institute of Computer Anti-virus Research) Standard Anti-virus Test file, which naturally is not a virus, but is detected by our engine as if it were. To create a file that contains the EICAR sequence, type the following string and save it in a file having a **`.COM`** extension (like **`EICAR.COM`**):

```
X5O!P%@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*
```

To check the operation of the virus scanning engine, perform a virus scan on the created file, or execute the file if the resident protection (Shield) is active. If the engine is operating correctly, the result of the scan or the execution will be a warning window.

> Note
> If executed, this small COM file will display the "EICAR-STANDARD-ANTIVIRUS-TEST-FILE" message, and will exit.

The structure of the virus protection

VirusBuster products consist of modules, the program's components form the virus protection together. We will overview the operation and the structure of each component on the following pages.

Shield

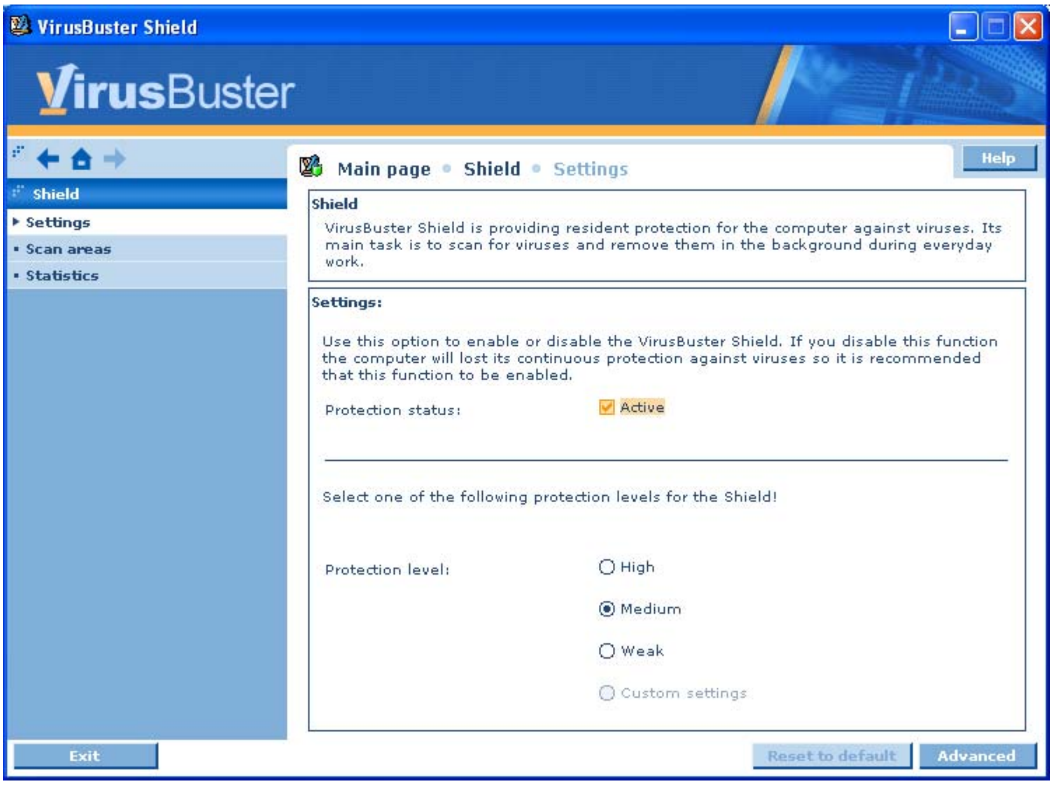
This component provides resident protection against viruses. Its main task is to scan for viruses and remove them in the background. The component scans files when they are accessed (when writing or reading the file). The Shield's settings can be modified on the following panels:

- Settings
- Scan areas
- Statistics

Settings

The protection's settings can be modified on the *Settings* panel. It can be configured in a matter of seconds on the simple user interface, or in detail on the Advanced panel, which can be displayed by clicking on the **|Advanced|** button.

Simple settings



Shield

VirusBuster Shield is providing resident protection for the computer against viruses. Its main task is to scan for viruses and remove them in the background during everyday work.

Settings:

Use this option to enable or disable the VirusBuster Shield. If you disable this function the computer will lost its continuous protection against viruses so it is recommended that this function to be enabled.

Protection status: ☑ Active

Select one of the following protection levels for the Shield!

Protection level: ○ High ● Medium ○ Weak ○ Custom settings

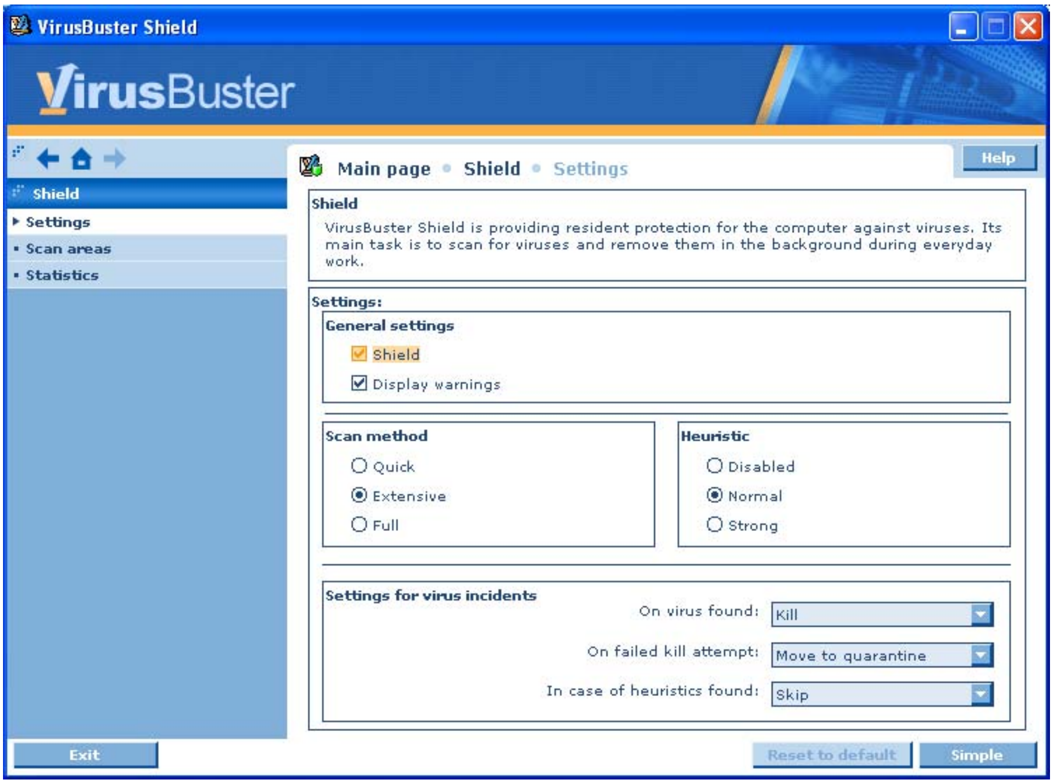
Shield - settings

The protection is active, if the *Active* option is checked. The protection's level can be easily set by choosing from the pre-defined levels on the panel. The protection levels are a combination of settings, which can be displayed by switching to the *Advanced* panel.

Protection levels and their settings:

- *High*
  Uses the *Full* virus scanning option, high heuristics, killable viruses will be disinfected, non-killable viruses will be moved to the quarantine.
- *Medium*
  Uses the *Extensive* virus scanning option, medium heuristics, killable viruses will be disinfected, non-killable viruses will be skipped.
- *Weak*
  Uses the *Fast* virus scanning option, no heuristics, killable viruses will be disinfected, non-killable viruses will be skipped.
- *Custom settings*
  This option cannot be selected, it will be enabled if such a combination of settings is created on the *Advanced* panel, which is not present in any of the pre-defined levels.

Advanced settings



Shield

VirusBuster Shield is providing resident protection for the computer against viruses. Its main task is to scan for viruses and remove them in the background during everyday work.

Settings:

General settings

☑ Shield

☑ Display warnings

Scan method

○ Quick

● Extensive

○ Full

Heuristic

○ Disabled

● Normal

○ Strong

Settings for virus incidents

On virus found: Kill

On failed kill attempt: Move to quarantine

In case of heuristics found: Skip

Shield - Advanced settings

The protection can be activated by enabling the *Enable Shield* option on the *Advanced* panel.

By enabling the *Display warnings* option, the user will receive a warning message when a virus is found.

The scanning method can be set to the following levels:

- *Quick/Extensive/Full*

Heuristic analysis can be set to the following levels:

- *Disabled/Normal/Strong*

The description of the *Virus found settings* can be found in the *Scanner* section.

Available actions when a virus is found:

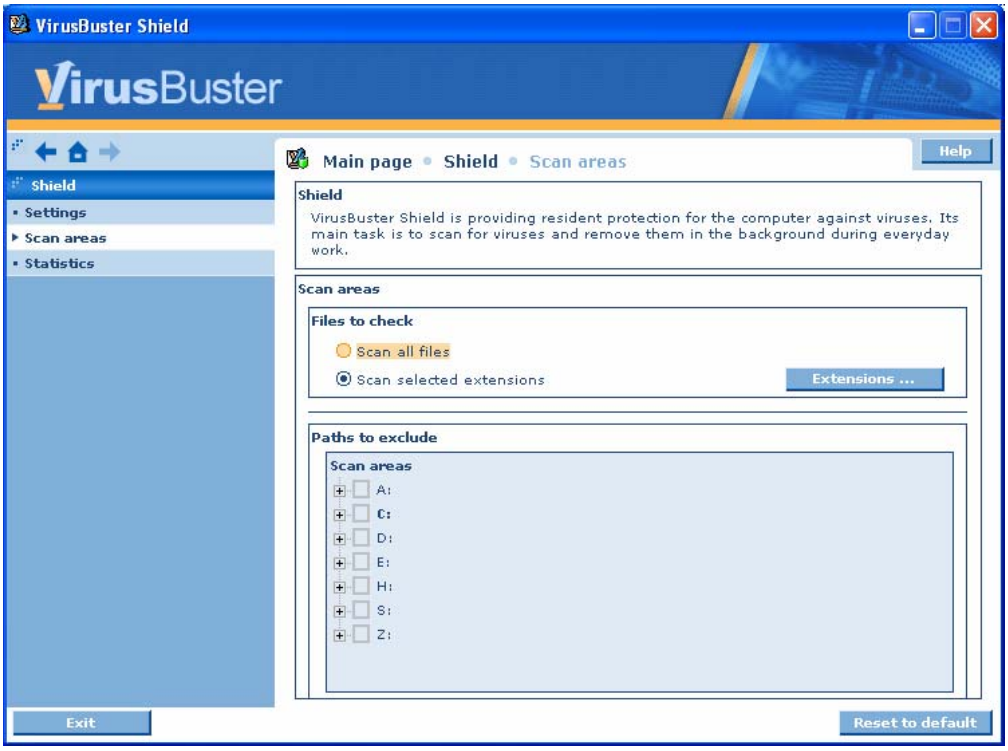
- *Kill/Skip/Rename/Move to quarantine/Delete*

Available secondary actions and actions for heuristic detections:

- *Skip/Rename/Move to quarantine/Delete*

Scan areas

On this panel those file types can be set, on which virus scanning should be performed and those paths, which should not be scanned.



Shield

VirusBuster Shield is providing resident protection for the computer against viruses. Its main task is to scan for viruses and remove them in the background during everyday work.

Scan areas

Files to check

○ Scan all files

● Scan selected extensions

Paths to exclude

Scan areas

⊞ □ A:
⊞ □ C:
⊞ □ D:
⊞ □ E:
⊞ □ H:
⊞ □ S:
⊞ □ Z:

Shield – Scan areas

If the *Scan all files* option is enabled, all file types (extensions) will be scanned when they are accessed.

If the *Scan specified file types* option is enabled, only the specified file types (extensions) will be scanned when they are accessed. The extensions can be set as detailed in the Scanner component's *Extension settings* paragraph.

In the *Excluded paths window* the drives and directories on the computer are displayed in a tree structure. The user can select the paths, which should not be protected and files under these paths will not be scanned when they are accessed. A plus sign indicates, if a directory has sub-directories. The plus sign will be changed to a minus sign if the directory is open and its sub-directories are displayed. A directory can be opened by clicking on its name once, or on the plus sign once. If the checkbox in front of the directory is selected, the files in the directory will not be scanned. The directory's opened or closed status is very important when selecting checkboxes, as if it is open, its sub-directories will be scanned. If it is closed, the selection will be applied to all sub-directories recursively. Directories, which have been selected recursively are marked with an asterisk (*).

If your computer is a member of a network, you can add network shares to exclude by clicking on the **|Network…|** button. You have to select the desired path in the appeared window then click on the **|Add|** button. The selected path will be added to the existed ones.

There are three option for selecting a directory:

- Black check in the square
  The selected directory and all its sub-directories are selected and the files in these will not be scanned when they are accessed.
- No black check in the square, the directory's name is bold
  There is a sub-directory in the directory, which is checked. The files in this directory will not be scanned when they are accessed.
- No black check in the square, the directory's name is not bold
  Neither the directory, nor any of its sub-directories are checked, all files in these directories will be scanned when they are accessed.

Statistics

Comprehensive information about files scanned by the Shield and the detected infections. The last found virus's name and the path where it was found are also displayed on the panel.

Content filter

VirusBuster's content filtering feature provides protection for clients against Internet-borne malicious programs. The content filtering components analyse network communication and scan the data traffic of protocols known by them.

> Improtant!
> You can use the Content filter with restrictions by the following protocols:
> *IMAP protocol*: Content filter doesn't operate in case of clients which cut and download the mail into pieces. Multi-threading communication to the server is also not supported (e.g. The Bat!).
> *HTTP protocol*: Content filter doesn't scan for viruses in case of multi-thread downloading (in case of several downloading managers).
> *All protocols*: Content filter doesn't scan files over 2 MBytes.

Filtering settings can be found on the following panels:

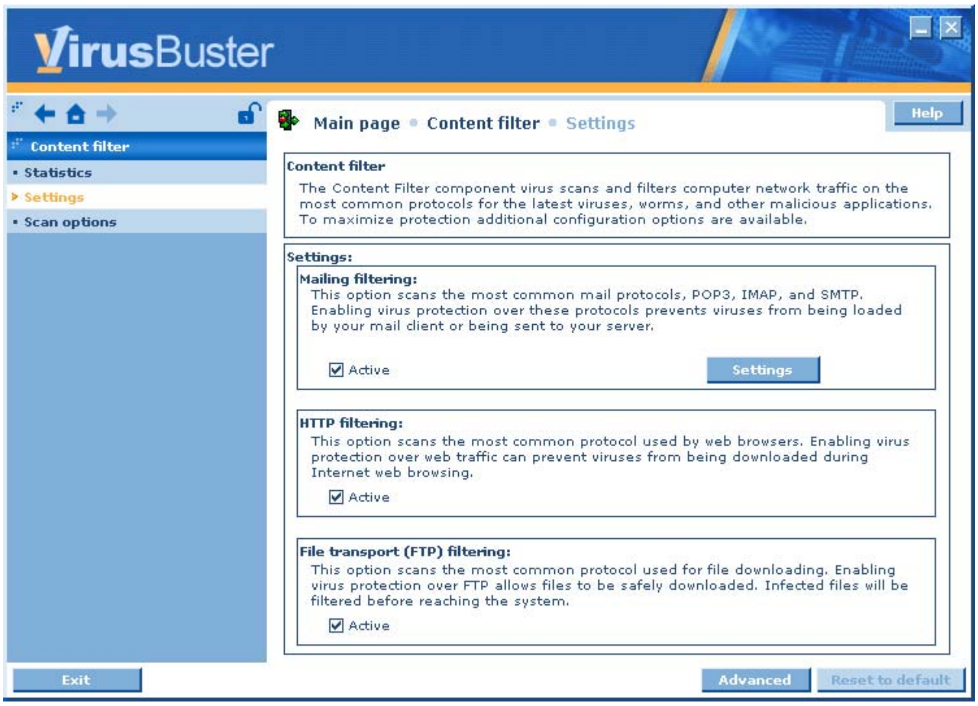
- Settings
- Scanning options
- Statistics

Settings

The module's general settings can be modified on the simple panel, or the advanced panel, which provides a wider range of settings by clicking on the **|Advanced|** button.

Simple settings

The Content filter can be switched on or off for each protocol. The protection can be activated by clicking on the *Enabled* checkbox on the needed protocol's panel.



Content filter
The Content Filter component virus scans and filters computer network traffic on the most common protocols for the latest viruses, worms, and other malicious applications. To maximize protection additional configuration options are available.

Settings:

Mailing filtering:
This option scans the most common mail protocols, POP3, IMAP, and SMTP. Enabling virus protection over these protocols prevents viruses from being loaded by your mail client or being sent to your server.
☑ Active Settings

HTTP filtering:
This option scans the most common protocol used by web browsers. Enabling virus protection over web traffic can prevent viruses from being downloaded during Internet web browsing.
☑ Active

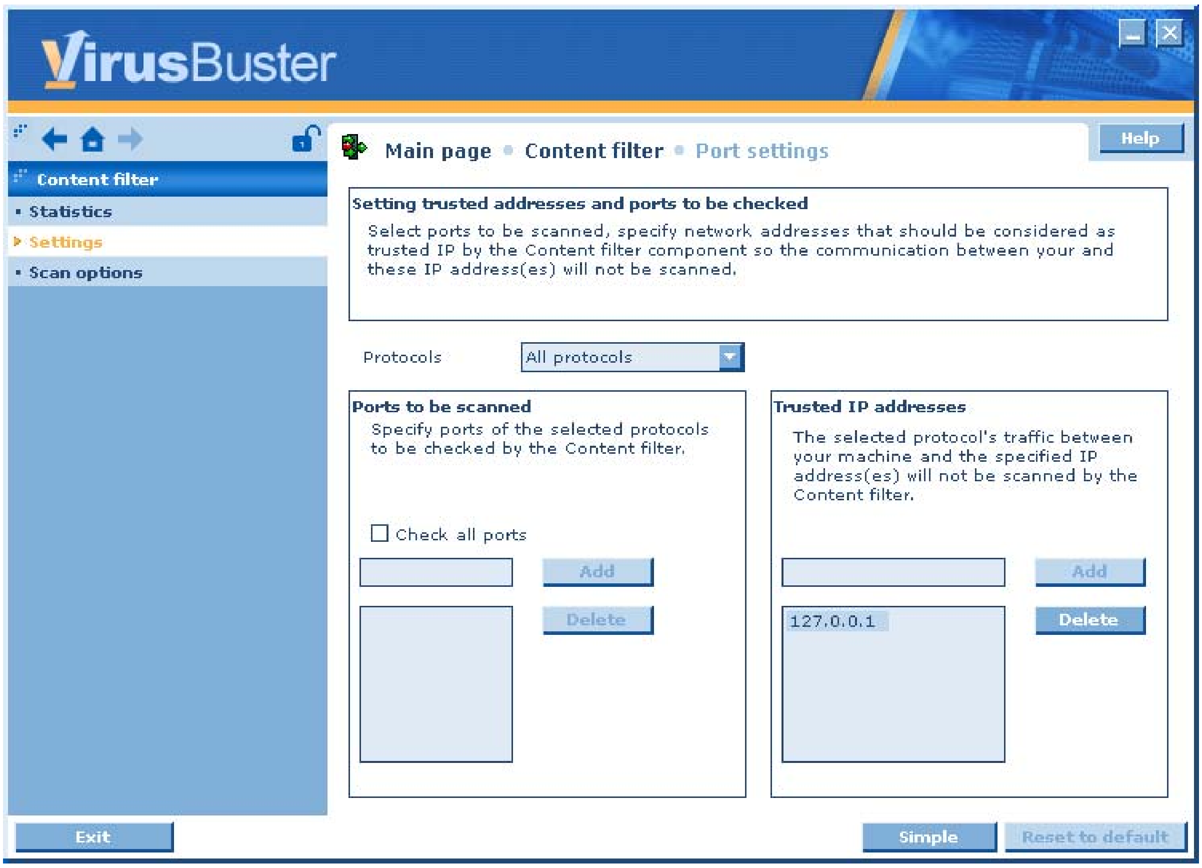
File transport (FTP) filtering:
This option scans the most common protocol used for file downloading. Enabling virus protection over FTP allows files to be safely downloaded. Infected files will be filtered before reaching the system.
☑ Active

Content filter - Settings

- *Mail filtering*
  Provides virus protection for POP3, IMAP and SMTP mail forwarding protocols' e-mail traffic. By clicking on the **|Settings|** button, the protected protocols can be chosen on a new panel. The panel can be closed by clicking on the **|Back|** button.
- *Browser (HTTP) filtering*
  Analyses and protects data traffic on the HTTP protocol.
- *File transfer (FTP) filtering*
  Provides virus protection for data traffic on the FTP protocol. Currently the analysis of inbound (download) data traffic is supported.

Advanced settings

The communication protocols communicate with the external device through various ports. The settings of the virus protection for this data traffic can be modified on this panel. The protocols, which should be scanned and the trusted network addresses (from which data traffic will not be scanned) can be set here.



Setting trusted addresses and ports to be checked

Select ports to be scanned, specify network addresses that should be considered as trusted IP by the Content filter component so the communication between your and these IP address(es) will not be scanned.

Protocols: All protocols

Ports to be scanned

Specify ports of the selected protocols to be checked by the Content filter.

☐ Check all ports

Trusted IP addresses

The selected protocol's traffic between your machine and the specified IP address(es) will not be scanned by the Content filter.

127.0.0.1

Content filter - Settings

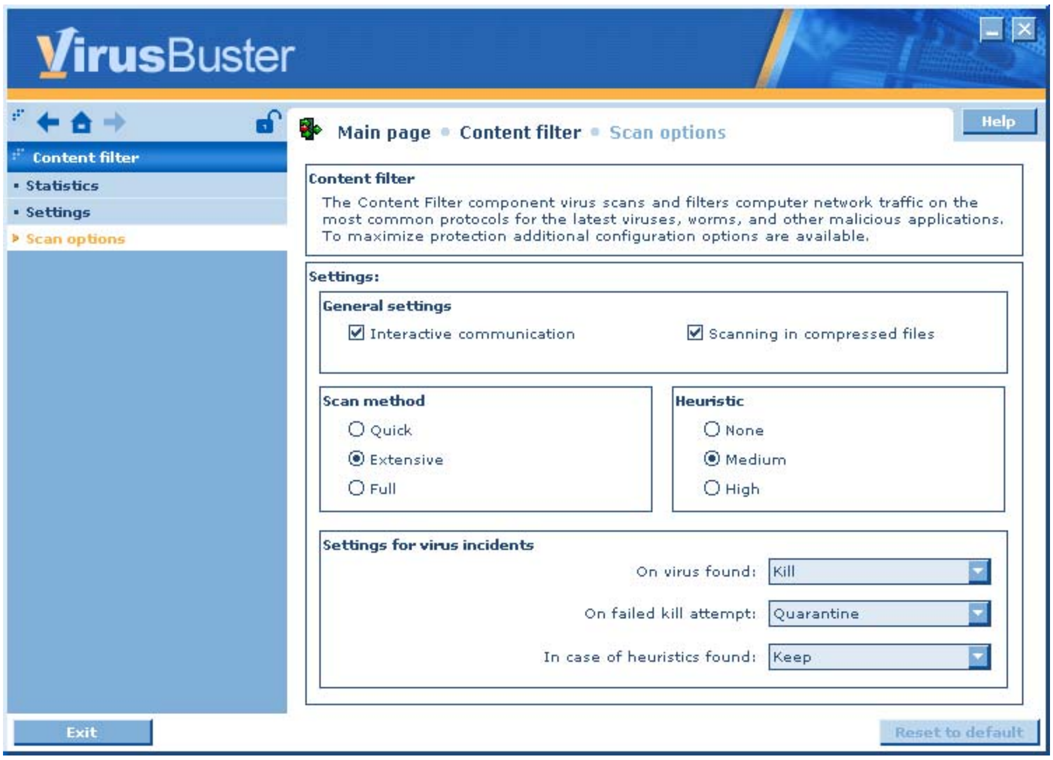
You can select the protocol type, which should be scanned from the *Protocol* drop-down menu. After having selected the protocol, please specify the port number in *Protected ports* (the port numbers, through which you would like to scan the selected protocol's data traffic). This can be performed by typing the needed value in the text field, then adding it with the **|Add|** button. You can delete values from the list by selecting the needed value and clicking on the **|Delete|** button. If you want to protect the selected protocol on all existing ports, please enable the *Scan all ports* option (this can cause major network load). If you select *All protocols* from the *Protocol* drop-down menu, then all protocols will be scanned on the ports set for this value.

You can add IP addresses to protocols selected from the drop-down list in *Trusted IP addresses*, from which data traffic will not be scanned. If an appropriate IP address is typed in the text field, it can be added with the **|Add|** button to the trusted addresses' list and they can be deleted later by selecting them from the list and clicking on the **|Delete|** button. Like in the above case, the system will handle all IP address as trusted, which were set for the value selected in *All protocols* in case of all protocols.

In case of default settings, the system will scan the data traffic of protocols on the most common ports.

Scanning options

The settings of virus scanning can be modified on this panel.



Content filter

The Content Filter component virus scans and filters computer network traffic on the most common protocols for the latest viruses, worms, and other malicious applications. To maximize protection additional configuration options are available.

Settings:

General settings

☑ Interactive communication ☑ Scanning in compressed files

Scan method

○ Quick
● Extensive
○ Full

Heuristic

○ None
● Medium
○ High

Settings for virus incidents

On virus found: Kill
On failed kill attempt: Quarantine
In case of heuristics found: Keep

Content filter – Scanning options

The scanning method can be set on the following levels:

- *Fast/Extensive/Full*

Heuristic analysis can be set on the following levels:

- *Off/Medium/High*

The description of *Virus found settings* can be found in the Scanner *section*!

The available actions when a virus is found are the following:

- *Kill/Move to quarantine/Skip/Delete*

Available secondary actions and settings in case of a heuristic detection:

- *Move to quarantine/Skip/Delete*

By enabling *Interactive communication* the software will prompt for user interaction every time there is an incident, and offers the set actions by defaults. If this option is disabled, the set actions will be automatically performed on the infected file.

If the *Scan compressed files* option is enabled, the program will scan for viruses in all compressed files.

> ! Important!
> In case of HTTP and FTP traffic scanning if you choose Delete or Move to quarantine actions, in addition to performing the specified action (deleting or moving the file to the quarantine) the specified file (its name and extension) will not be deleted from the original download target path, only its content will be replaced with a text message informing you about the action taken. If you try to run executable files created by this method (filled with text information) an error message will be returned because the system is not able to run false executable files (files filled with text).

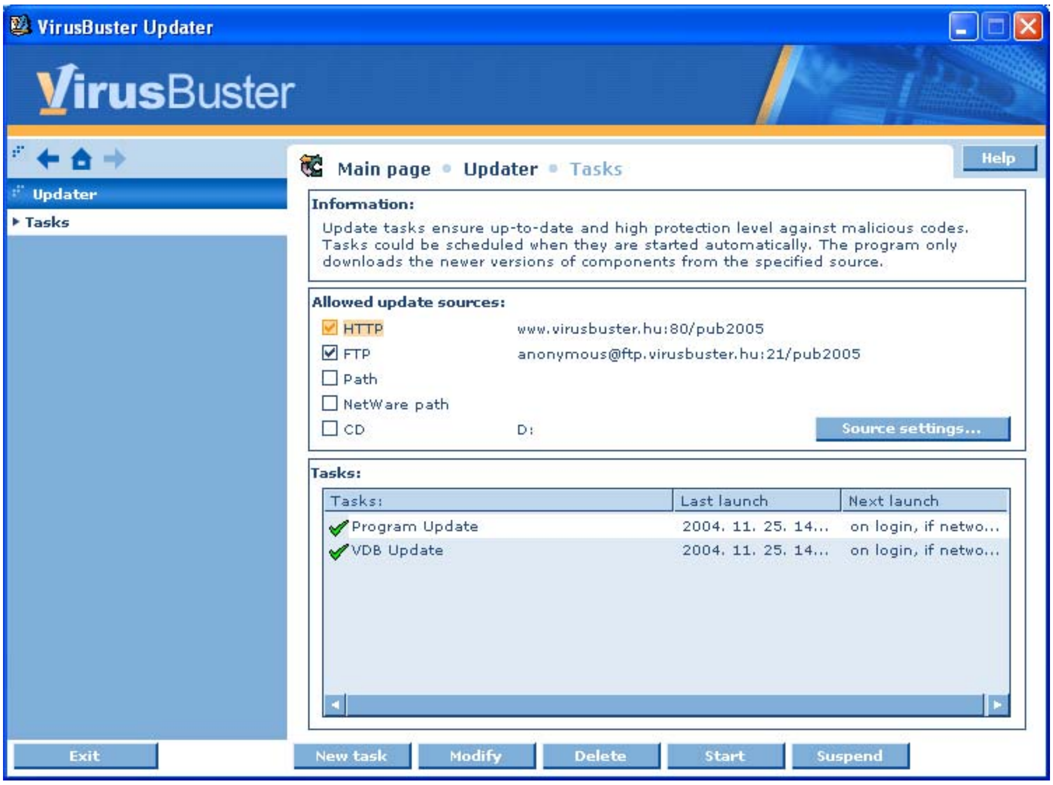
Statistics

The comprehensive statistics sheet contains the results of the analysis of the set protocols' data traffic and incidents.

The content can be updates by clicking on the **|Refresh|** button.

Software updates

Updating the software and the virus database is vital for maintaining the effectiveness of the protection. The software update is based on tasks: the update can be started with a few clicks or can be scheduled for a date or an event and it will be performed with the pre-set settings. Software update tasks can be added or modified in the *Updater* module, which provides an interface for creating tasks step-by-step to set the options and parameters needed for the update.



Information:
Update tasks ensure up-to-date and high protection level against malicious codes. Tasks could be scheduled when they are started automatically. The program only downloads the newer versions of components from the specified source.

Allowed update sources:

☑ HTTP www.virusbuster.hu:80/pub2005
☑ FTP anonymous@ftp.virusbuster.hu:21/pub2005
□ Path
□ NetWare path
□ CD D:

Tasks:

Tasks:	Last launch	Next launch
✓ Program Update	2004. 11. 25. 14...	on login, if netwo...
✓ VDB Update	2004. 11. 25. 14...	on login, if netwo...

Updater

The needed source can be activated (updates can be performed after this from the source) by checking the square in front of an update source in the *Tasks* menu item in the *Allowed update sources* settings. After this the source can be selected when adding a new task or modifying one. Information about a source is displayed next to its name, these can be modified by clicking on the **|Source settings ...|** button. In this window, the settings for each source can be modified. The settings of the item selected from the drop-down list can be modified on the bottom of the panel.

> **!** Important!
> If a source is inactivated, which has been selected for a task, the task cannot be started until the source has not been reactivated.

The possible update sources and their settings are the following:

- HTTP
  Update through the HTTP protocol. The HTTP server's name, the used port (default is 80) and path, where the descriptor file can be found must be specified. The default setting is:
  `www.virusbuster.hu:80/pub2005`
- FTP
  Update through the FTP protocol. The FTP server's name, the port used by the server (default is 21) and the path, the path, where the descriptor file can be found and the user name and

password for logging in must be specified. If you are using the ’Anonymous’ user name, please type you own e-mail address in the password field. The default setting is: `anonymous@ftp.virusbuster.hu:21/pub2005`

- NetWare path
  The update can be performed from a Novell NetWare server if the needed path is typed in the field in UNC format (`\\servername\sharename`).
- Path
  The update can be performed from a local or a network drive. The path can be specified by clicking on the **|...|** button.
- CD drive
  If the update is performed from a CD, please select the drive’s letter from the drop-down list.

> ! Important!
> The update can only be performed from a local or a network path, if the user is logged in to the domain!
> The update can only be performed from a Novell NetWare network path if the user is logged in to the server!

New tasks can be added or existing ones can be viewed, modified, started or the stopped on the bottom of the panel. In the first column of the task list, the tasks’ name is displayed, then the date of the last start and the date of the next start or the trigger event. The last column indicates, if the task is stopped.

The following operations can be performed by clicking on the appropriate buttons on the bottom of the panel:

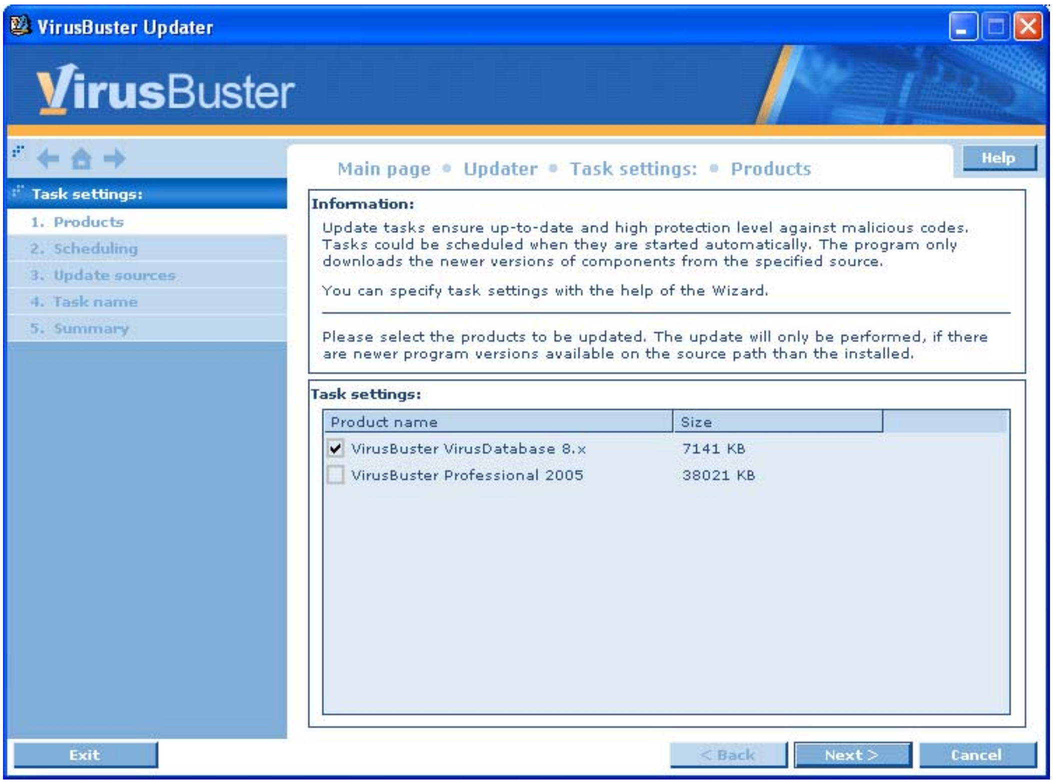
- **|New task|**
  For creating a new task and specifying its settings.
- **|Modify|**
  For *modifying the settings of a selected task*.
- **|Delete|**
  For deleting a selected task.
- **|Start|**
  For *running a selected task*.
- **|Suspend|**
  For suspending the selected task: the task cannot be started and will not start until it is authorized again.

Creating a new task

The settings for a new task can be added step by step, and the characteristics of the task can modified during the steps.

Products

The first step is the selection of the product(s) for the update task. The task will check if the selected product(s) are up to date and if there is a newer version of the product(s), it will download them and update the system. The list contains the installed products and the virus database file, which can be selected by checking the square in front of them. At least one item must be selected to be able to step forward in the wizard.



Information:

Update tasks ensure up-to-date and high protection level against malicious codes. Tasks could be scheduled when they are started automatically. The program only downloads the newer versions of components from the specified source.

You can specify task settings with the help of the Wizard.

Please select the products to be updated. The update will only be performed, if there are newer program versions available on the source path than the installed.

Task settings:

Product name	Size
☑ VirusBuster VirusDatabase 8.x	7141 KB
□ VirusBuster Professional 2005	38021 KB

Updater – selecting products

Scheduling

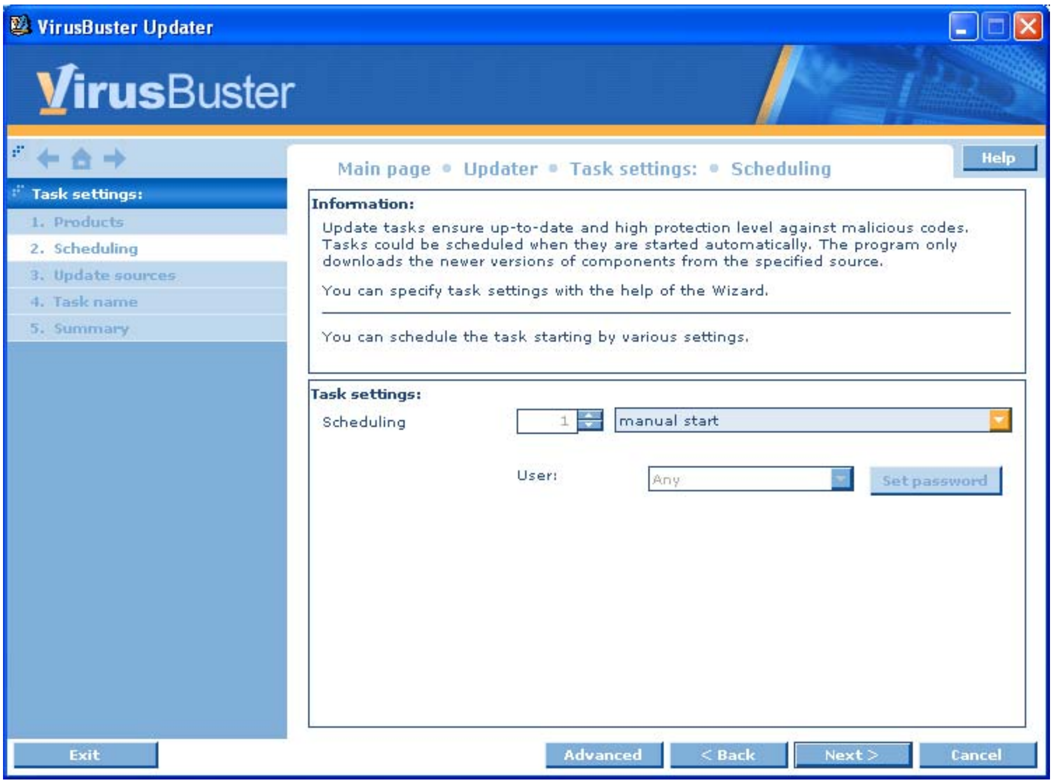
The starting of the update process can be scheduled on this panel by specifying the needed date or an event as a trigger.

The update task will be started and performed using the user privileges of the user profile set in the *User:* field. The password needed for logging in can be specified by clicking on the **|Password ...|** button.

Simple settings

The following periods can be selected to schedule the starting of a task:

- day(s)/week(s)
  A number can be specified here and the software will start the update every x days or weeks. On the required date, the task will be started when the user login to the system and the network is on-line. If the task starting was not successful, the program will always try starting the task in every login time until it could be performed successfully.
- manual start
  The task must be started by the user manually. The task can be started after it has been selected.



Information:

Update tasks ensure up-to-date and high protection level against malicious codes. Tasks could be scheduled when they are started automatically. The program only downloads the newer versions of components from the specified source.

You can specify task settings with the help of the Wizard.

You can schedule the task starting by various settings.

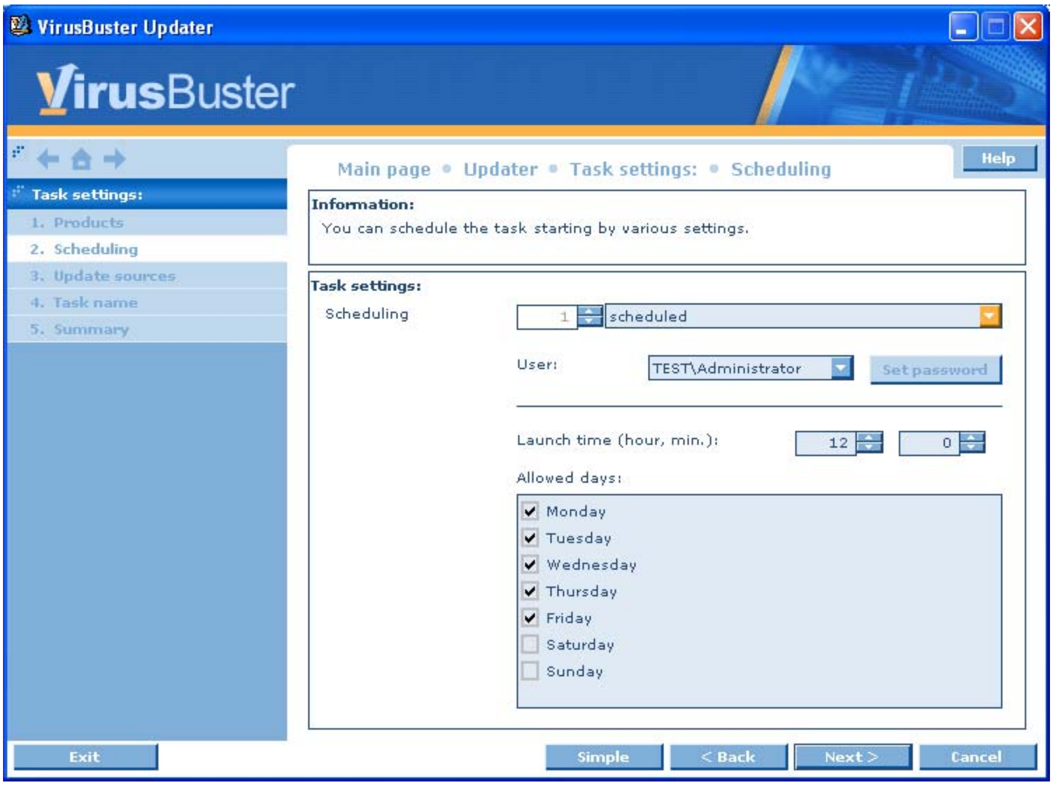
Task settings:

Scheduling 1 manual start

User: Any

Scanner - Scheduling

Advanced settings



Information:

You can schedule the task starting by various settings.

Task settings:

Scheduling 1 scheduled

User: TEST\Administrator

Launch time (hour, min.): 12 0

Allowed days:

☑ Monday
☑ Tuesday
☑ Wednesday
☑ Thursday
☑ Friday
☐ Saturday
☐ Sunday

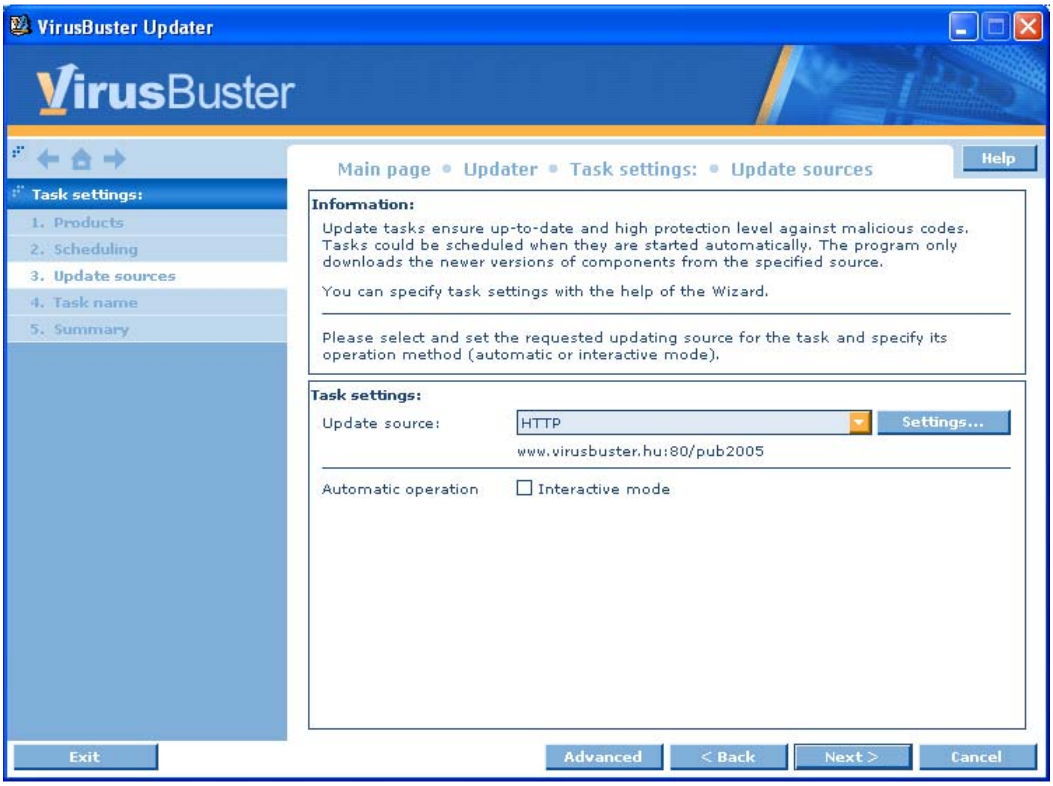
Scheduling – advanced interface

The following settings are available on the detailed scheduling panel:

- day(s)/week(s)/hour(s)
- manual
- scheduled
  An exact date can be specified for starting the task (hours, minutes) then the days can be selected, when the task must be started.
- every quarter-hour / every half-hour
  The task will be started at the set periods on the selected day(s).

Update sources

Simple settings



Information:

Update tasks ensure up-to-date and high protection level against malicious codes. Tasks could be scheduled when they are started automatically. The program only downloads the newer versions of components from the specified source.

You can specify task settings with the help of the Wizard.

Please select and set the requested updating source for the task and specify its operation method (automatic or interactive mode).

Task settings:

Update source: HTTP Settings...

www.virusbuster.hu:80/pub2005

Automatic operation □ Interactive mode

Scheduling, advanced interface

You can select the update source from the drop-down list, where the software will check for new updates at the given time. Only the active update sources are available, which can be set on the *Updater*'smain panel under Allowed update sources. The settings of the update sources can be modified globally by clicking on the **|Settings ...|** button.

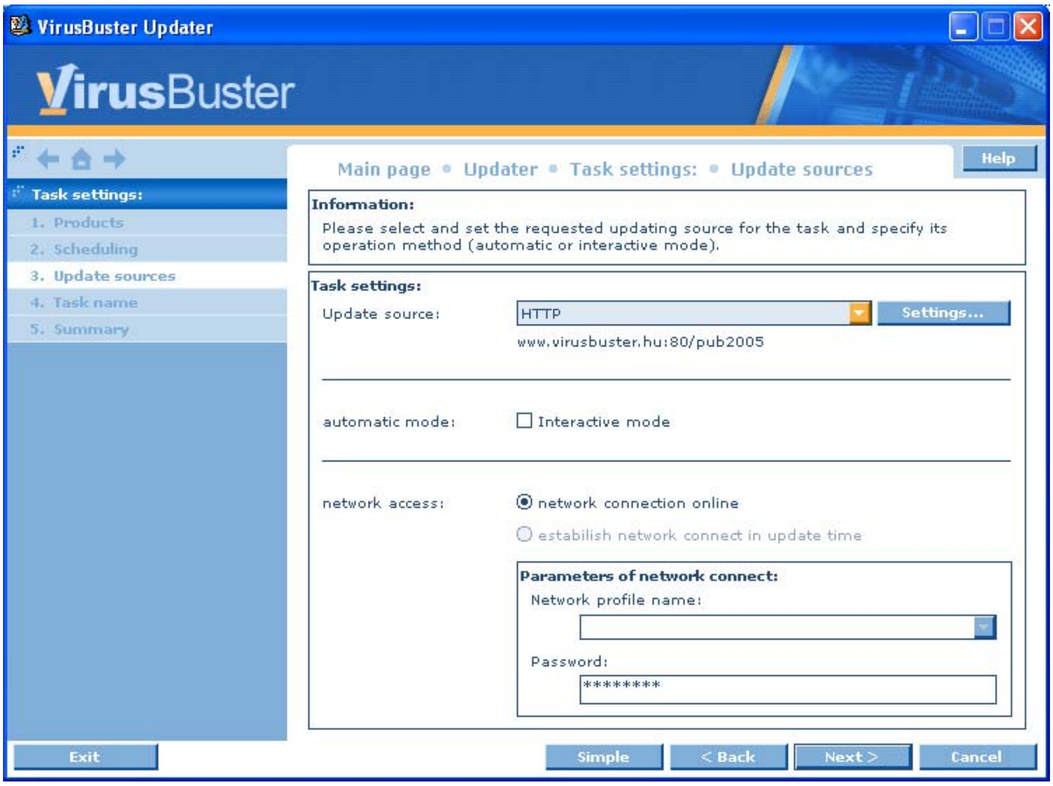
If you check in the *Progress dialog will be displayed* setting, you can follow the update process, otherwise the task will run in the backgroung without window displayed.

Enabling *Interactive mode*, if the *Progress dialog will be displayed* setting is checked, the user can follow the whole update process step-by-step and can change the task's settings temporarily.

The *Computer restart disable* option controls the system restart. If you check in this setting, the computer will never be restarted after update process have been finished.

! Important!
Please do not disable computer restart unless you have a relevant reason to do it, because there may be changes performed during the update process that need computer restart to be activated. If it is disabled, it is possible that the computer's resident protection may not be activated and your computer will not be protected!

Advanced settings



Information:
Please select and set the requested updating source for the task and specify its operation method (automatic or interactive mode).

Task settings:
Update source: HTTP
www.virusbuster.hu:80/pub2005

automatic mode: □ Interactive mode

network access: ● network connection online
○ estabilish network connect in update time

Parameters of network connect:
Network profile name:
Password: ********

Update sources, advanced interface

The above options can be all found on the advanced interface and it is possible to specify the *Updater*'s network handling with the *Network access* setting.

If the *Continuous network connection* is selected, the started task will not try to create a network connection and if the network cannot be accessed it will generate an error. If the *Establish network connection for updates* option is selected (if the network connection is not available continuously e.g. in case of a dial-up connection) the task will create a network connection and will terminate it if the task is performed if the connection was established by the program. The second option activates the *Network connection settings* where you can select the needed network profile from a drop-down list and specify the appropriate password.

Task's name

To specify a name for the task, type the needed name in the field. You can refer to the needed task on the *Tasks* panel's *Tasks* list window with this name in the future. It is not possible to add two tasks with the same name and the \ (backslash) character cannot be used in the task's name.

Summary

The settings specified during the steps above can be overviewed on this panel. If the settings are correct, the task's settings can be saved by clicking on the **|Finish|** button. You can step back to the last settings panel by clicking on the **|Back|** button. You can jump back to the *Updater*'s main panel by clicking on the **|Cancel|** button and all settings will be lost (the new task will not be created or modifications will not be saved).

Modifying an update task

When modifying a task, the same steps are present like in the case of adding a new task.

- *Summary*
  You can overview the settings of the task.
- *Products*
  You can modify the list of products, which should be updated (*Products* panel).
- *Scheduling*
  You can modify the scheduling of the task (*Scheduling* panel).
- *Update source*
  You can select a new update source for the task (*Update source* panel).
- *Task name*
  You cannot modify the task's name. This setting identifies the task which is being modified.
- *Summary*
  A summary of the modified settings (*Summary* panel).

Starting an update task

An update task – according to its settings – can be started at a specified time (scheduled) or can be triggered by an event (system startup) or the user can start it manually.

The steps of the update task can be overviewed if it is interactive – this can be specified when adding the task or modifying its settings on the Update sources panel.
The operation of the tasks can be automatized during any step if you select the *Automatic operation* option on the bottom of the panels. In this case the product will automatically perform the steps of the update and you can overview a summary of the update process on the *Summary* panel.

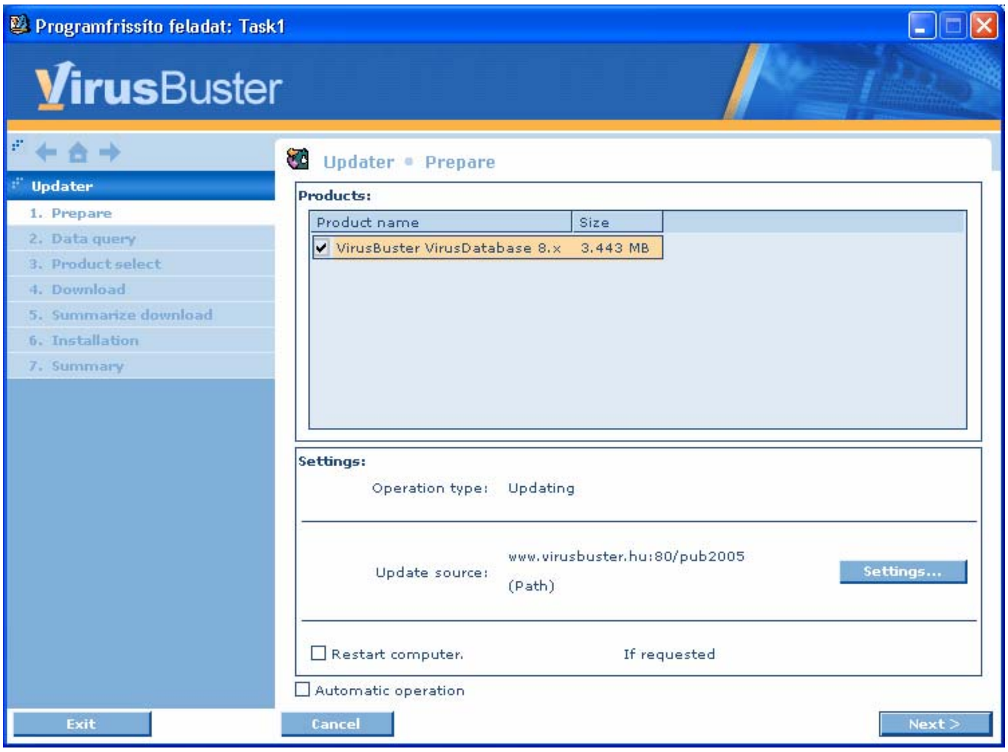
When the update process starts, the program gathers the version information of products and components and then compares these to the information stored on the specified update source and if an update is needed (new versions are available on the update source) then it downloads these to the computer and the updates the programs and modules.

During interactive operation the update process can be followed and the results will be displayed on the Summary panel.

Prepare

The main settings of the update task are displayed here.

Important!
It is possible to modify the settings before running the task, which will be valid temporarily for the started task!



Products:

Product name	Size
☑ VirusBuster VirusDatabase 8.x	3.443 MB

Settings:

Operation type: Updating

Update source: www.virusbuster.hu:80/pub2005 (Path) Settings...

□ Restart computer. If requested

□ Automatic operation

Update process - information

The Updater will try it update the products which are displayed in the *Products* window. The list has two columns, the first contains the product's name, the second contains its size (in MBs). In front of the items displayed in the first column there are check squares, with the help of which you can disable the products, which should not be updated.

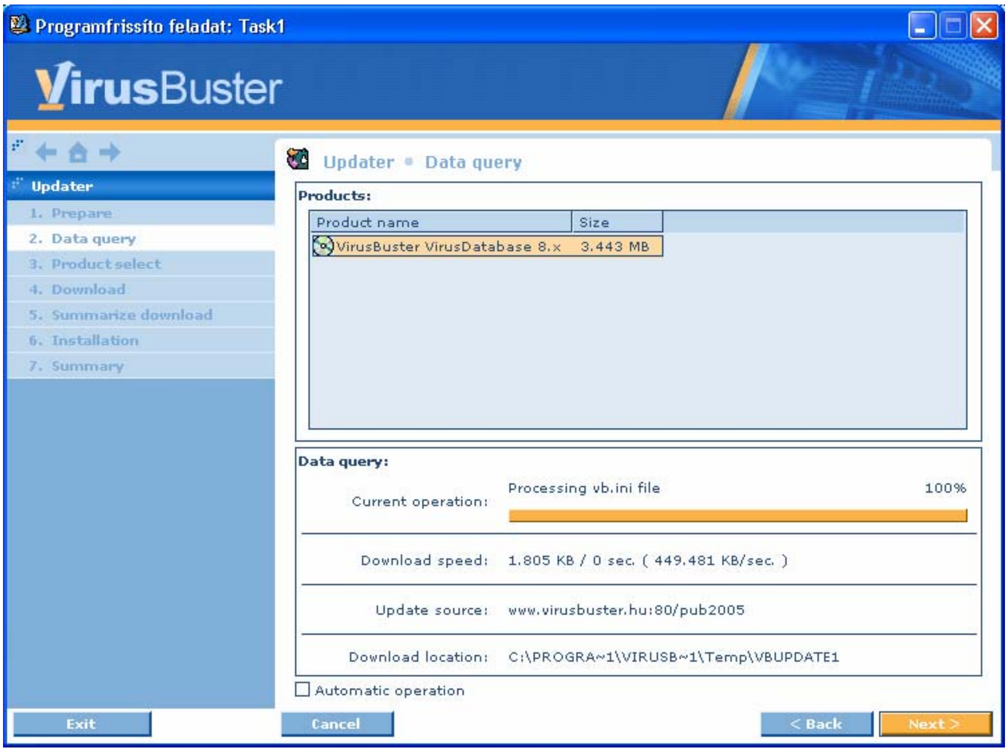
On the bottom of the panel, the most important program settings are displayed, the update source can be modified by clicking on the **|Settings …|** button. The _setting_ for each source can be modified in the window, which appears.

After the task ahs been ended, the program will restart the computer if needed. If the *Restart computer* option is enabled, the computer will be restarted in all cases.

You can step forward to the next panel by clicking on the **|Next|** button and you can terminate the update by clicking on the **|Cancel|** button.

Data query

During this step the Updater gathers information about the selected items from the update source. The items selected for update are displayed in the upper window and the bottom of the window contains information about the status of the data query.



Products:

Product name	Size
VirusBuster VirusDatabase 8.x	3.443 MB

Data query:

Current operation: Processing vb.ini file 100%

Download speed: 1.805 KB / 0 sec. (449.481 KB/sec.)

Update source: www.virusbuster.hu:80/pub2005

Download location: C:\PROGRA~1\VIRUSB~1\Temp\VBUPDATE1

□ Automatic operation

Update process – data query

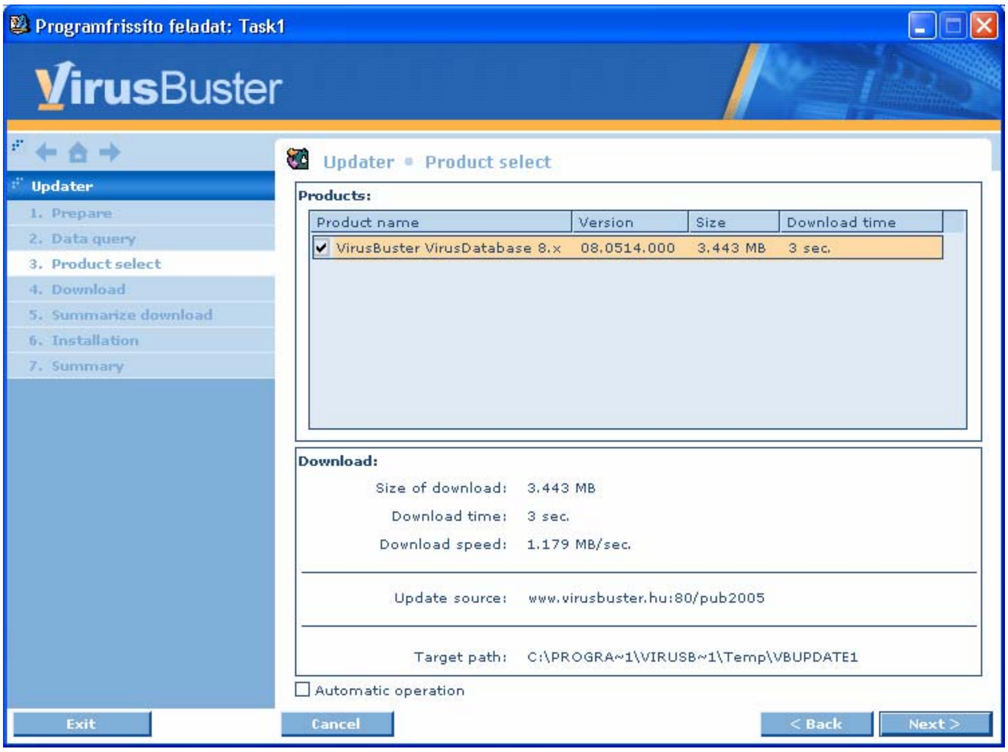
The *Current process* status bar indicates the status of information gathering. You can overview the download speed, the update source and the path for the download, where the information files are stored temporarily.

If a problem occurs, you can view detailed information about the problem's cause by clicking on the **|Next|** button to access the _Summary_ panel. If the update process was performed without any problems, you can proceed by clicking on the **|Next|** button to the next panel, or step back by clicking on the **|Back|** button or terminate the update process by clicking on the **|Cancel|** button.

Product selection

You can modify the list of products, which need to be updated on this panel in the upper side in the *Products* window.

The product's version number, size and the estimated download time is displayed next to the product's name.



Products:

Product name	Version	Size	Download time
☑ VirusBuster VirusDatabase 8.x	08.0514.000	3.443 MB	3 sec.

Download:

Size of download: 3.443 MB
Download time: 3 sec.
Download speed: 1.179 MB/sec.

Update source: www.virusbuster.hu:80/pub2005

Target path: C:\PROGRA~1\VIRUSB~1\Temp\VBUPDATE1

□ Automatic operation

Update process – Product selection

The following information is displayed in the bottom in the *Download* section:

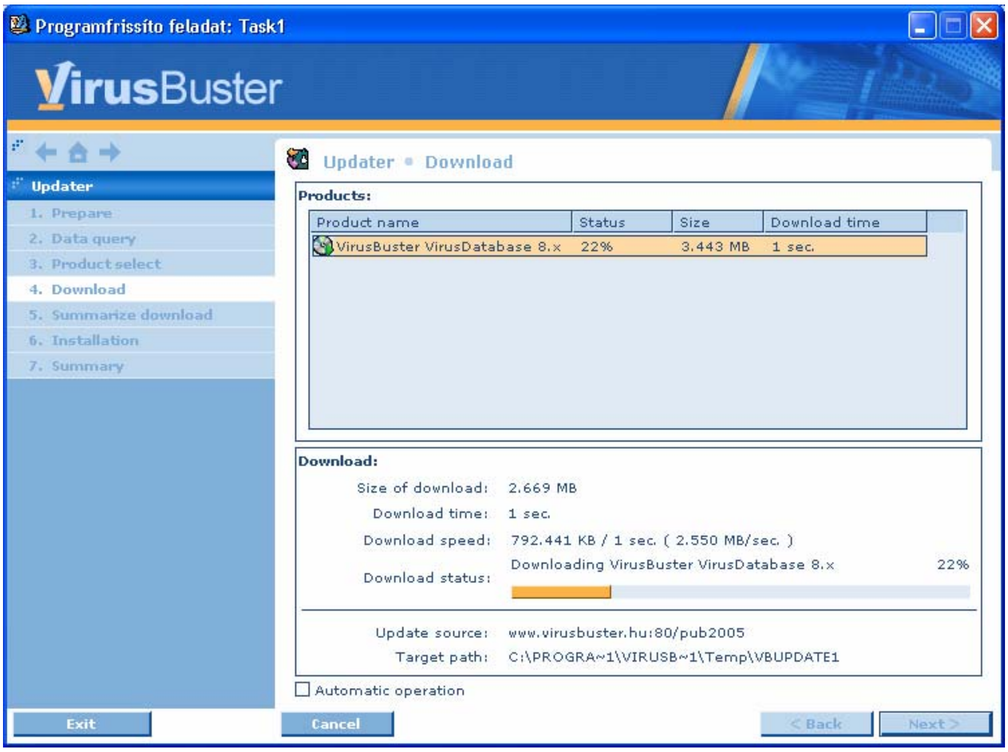
- *Download size*
  The size of the selected program components.
- *Estimated download time*
  The estimated time, which is needed to download all components.
- *Download speed*
  The estimated speed of the files' download.

Automatic operation can be enabled by selecting it.

After the download has been finished, you can proceed by clicking on the **|Next|** button to the next panel, or step back by clicking on the **|Back|** button or terminate the update process by clicking on the **|Cancel|** button.

Download

On the top of the panel, the products which will be downloaded are displayed in the Products window.



Products:

Product name	Status	Size	Download time
VirusBuster VirusDatabase 8.x	22%	3.443 MB	1 sec.

Download:

Size of download: 2.669 MB
Download time: 1 sec.
Download speed: 792.441 KB / 1 sec. (2.550 MB/sec.)
Download status: Downloading VirusBuster VirusDatabase 8.x 22%

Update source: www.virusbuster.hu:80/pub2005
Target path: C:\PROGRA~1\VIRUSB~1\Temp\VBUPDATE1

☐ Automatic operation

Update process - Downloading

The little green arrow on the little CD icon in front of the products indicates which product is downloaded currently. The current status and information about this product is displayed in the bottom in the *Download* section. Successful downloads are indicated by a green check on the icon. The red exclamation mark indicates, that there was a problem during the download. If a problem occurs, you can view detailed information about the problem's cause by clicking on the **|Next|** button to access the *Summary* panel.

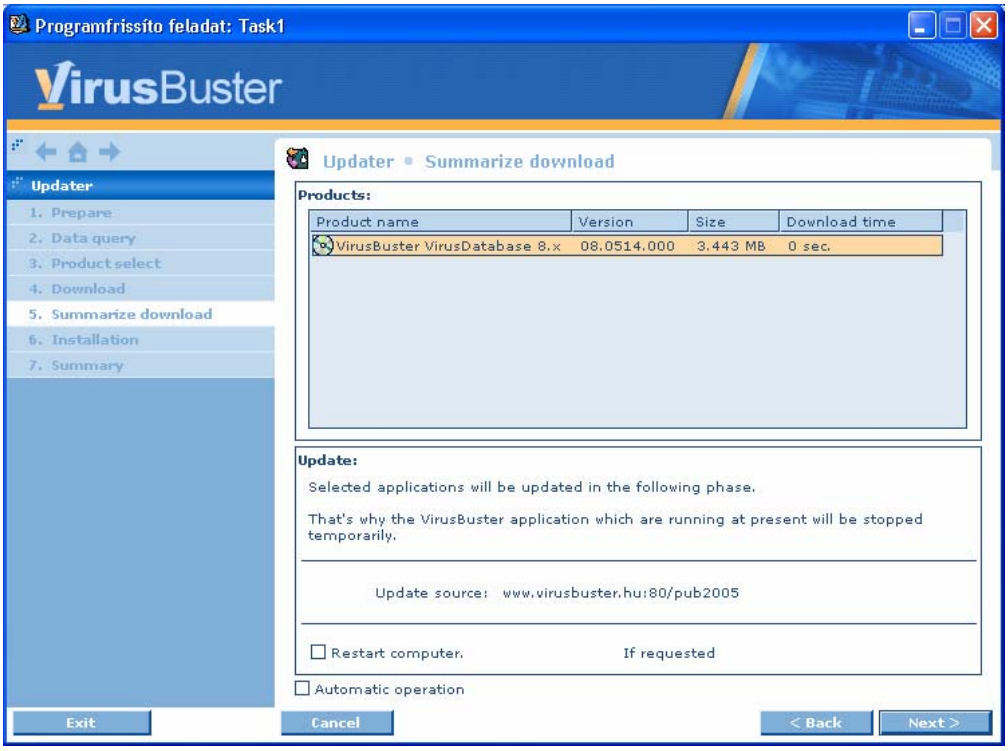
If the download was performed without any problems, you can proceed to the next panel with the **|Next|** button.

Download summary

In case of a successful file download, the downloaded program components can be overviewed with their sizes and version numbers on the summary panel.

In the bottom of the window, you are informed, that the selected programs' and components' updates will be performed during the next step.

Below the update source, the status of the computer restart is displayed and you can also switch to automatic operation by enabling it.



Products:

Product name	Version	Size	Download time
VirusBuster VirusDatabase 8.x	08.0514.000	3.443 MB	0 sec.

Update:

Selected applications will be updated in the following phase.

That's why the VirusBuster application which are running at present will be stopped temporarily.

Update source: www.virusbuster.hu:80/pub2005

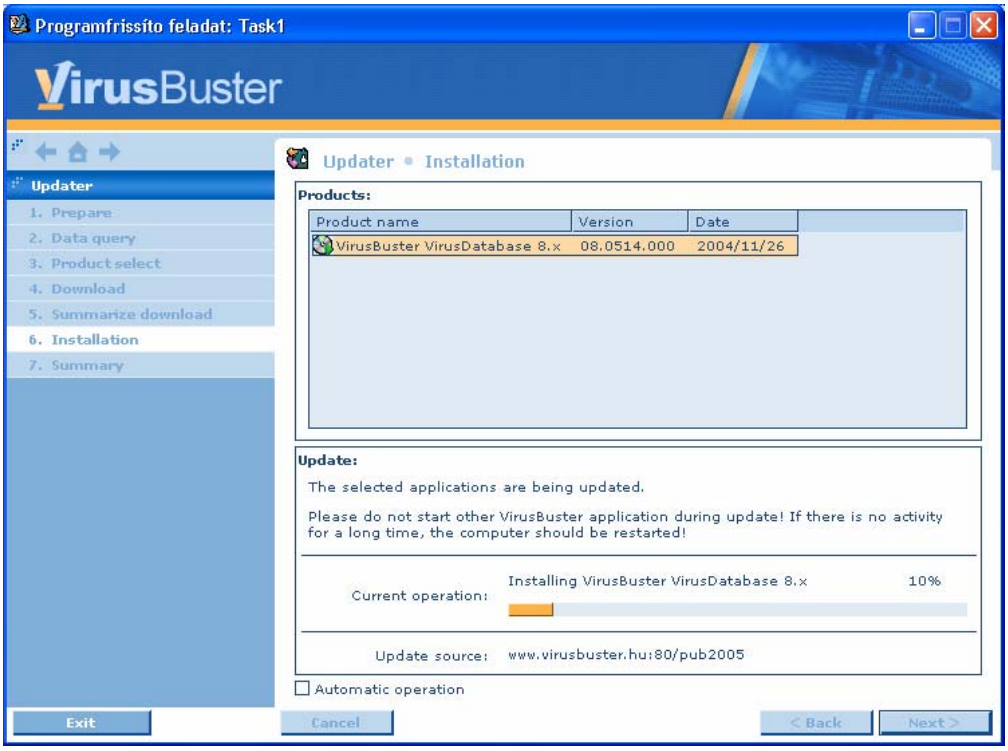
□ Restart computer. If requested

□ Automatic operation

Update process – Download summary

Installation

The selected and downloaded components will be installed during this step.



Products:

Product name	Version	Date
VirusBuster VirusDatabase 8.x	08.0514.000	2004/11/26

Update:

The selected applications are being updated.

Please do not start other VirusBuster application during update! If there is no activity for a long time, the computer should be restarted!

Current operation: Installing VirusBuster VirusDatabase 8.x 10%

Update source: www.virusbuster.hu:80/pub2005

□ Automatic operation

Update process - Installation

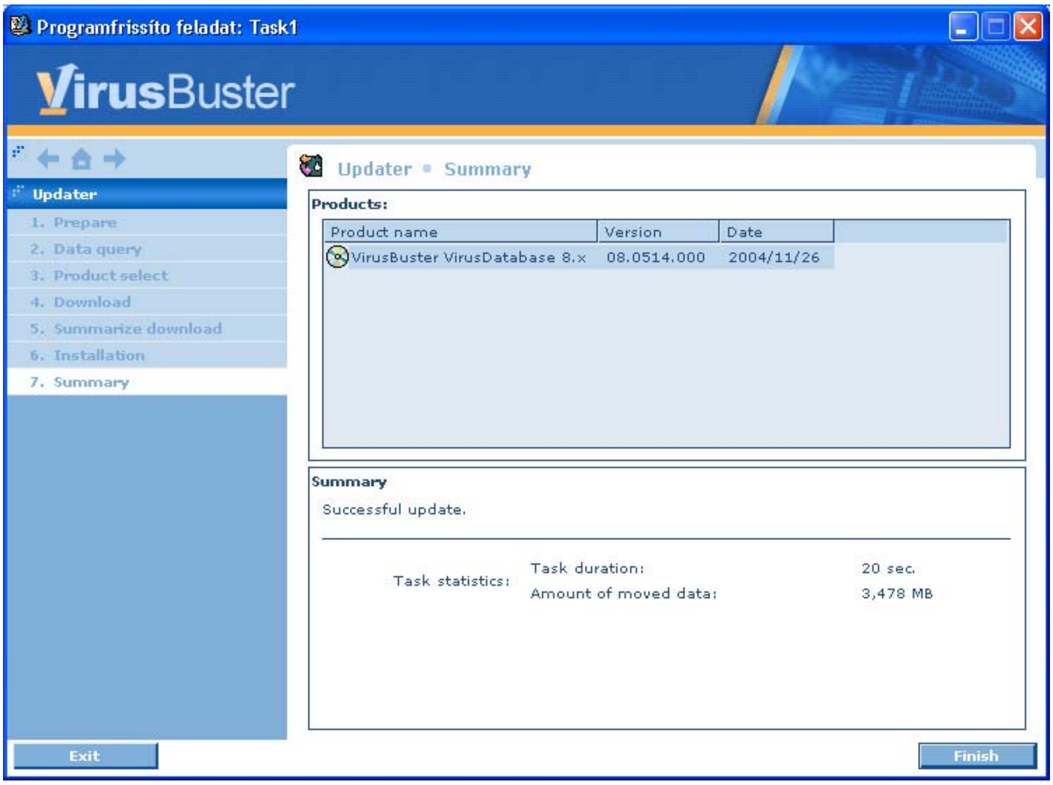
The little CD icon in front of the products indicates the status of the update as detailed above, and teh status bar indicates the update's current status on the bottom of the panel.

When updating, the program stops its running applications while the installation is performed and new versions are updated. This can take several minutes!

You can only step forward if the update has been finished or a problem has occurred.

Summary

The last step of the update process is the summary, which informs you about the successful update or the problems, which have occurs. The process can be ended by clicking on the **|Finish|** button.



Products:

Product name	Version	Date
VirusBuster VirusDatabase 8.x	08.0514.000	2004/11/26

Summary

Successful update.

Task statistics:	Task duration:	20 sec.
	Amount of moved data:	3,478 MB

Update process – Summary, successful update

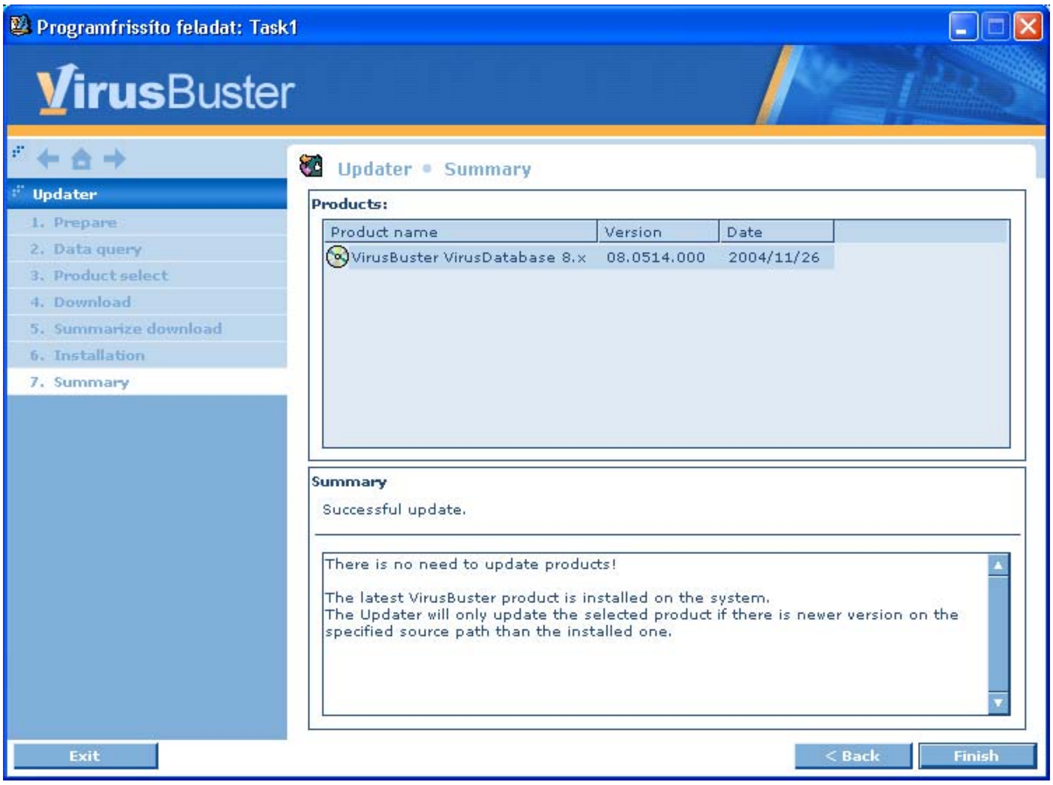
Successful update

In case of a successful update, the new version numbers of the updated applications and the date of the update are displayed at the top of the window. Statistics are displayed in the bottom of the window: the time needed for performing the task, the transferred data size.

If automatic restart was set, the panel will contain a status bar, which indicates the one minute long period, after which the computer will be restarted. It is possible to terminate the restart or to restart the computer immediately.

Update with problems

If a problem has occurred, you can read detailed information about the problem and its possible resolution on the bottom of the panel.



Products:

Product name	Version	Date
VirusBuster VirusDatabase 8.x	08.0514.000	2004/11/26

Summary

Successful update.

There is no need to update products!

The latest VirusBuster product is installed on the system.
The Updater will only update the selected product if there is newer version on the specified source path than the installed one.

Update process – Summary, update with problems

By selecting the *Mail to VirusBuster* and clicking on the **|Finish|** button, you can send a notification about the problem to VirusBuster, which will be analyzed by our staff and you will be notified about the problem's possible resolution.

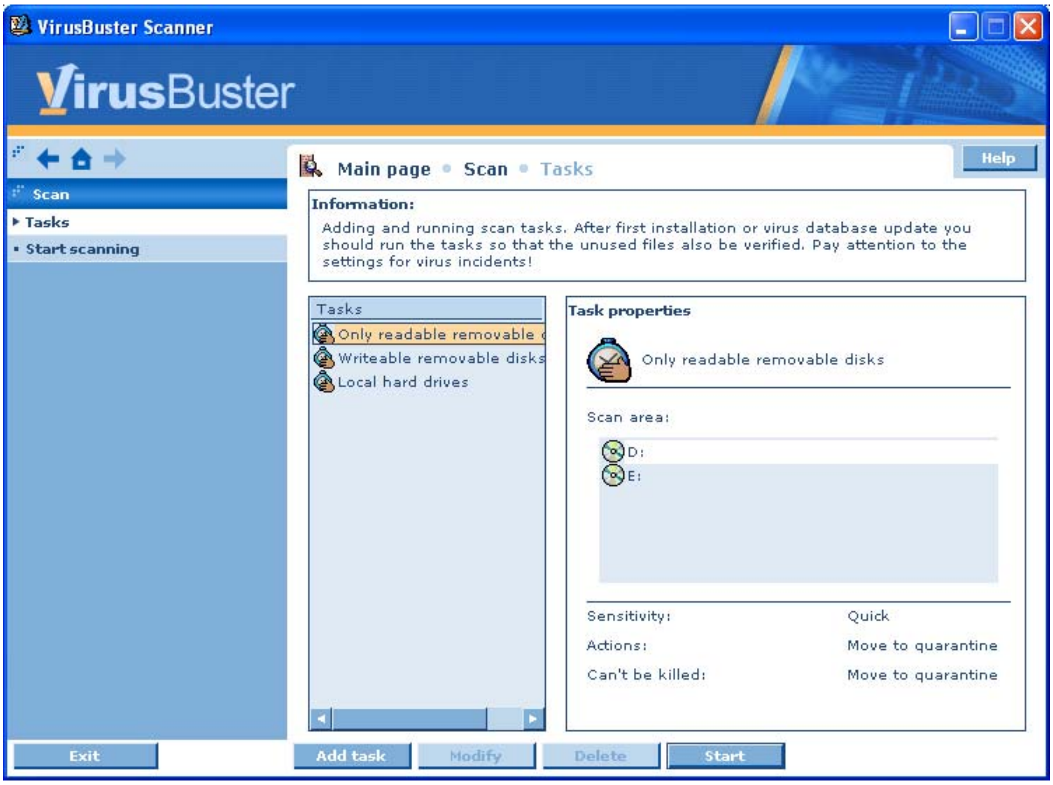
If you want to send an e-mail, its content and settings can be viewed by clicking on the **|View problem report|** button. This panel contains the address of the sender and the recipient, the **`report.zip`** file which will be attached to the mail and which can be viewed by clicking on the **|Browse ...|** button. This compressed file contains files, which are needed for finding and analyzing the problem.

Scanner

This component performs all virus scanning tasks and provides manual virus scans. Task-oriented operation lets the user perform scans according to one of the set tasks, in which the scanning method and other options are pre-set therefore scanning is possible at once without having to determine individual settings for the scan. Scanning tasks' settings can be modified in the *Tasks* menu, manual scans can be started using the *Start scan* function.

Tasks

Default and user-defined scan tasks can be displayed, started or modified on the *Tasks* panel.



Information:
Adding and running scan tasks. After first installation or virus database update you should run the tasks so that the unused files also be verified. Pay attention to the settings for virus incidents!

Tasks
Only readable removable d
Writeable removable disks
Local hard drives

Task properties
Only readable removable disks

Scan area:
D:
E:

Sensitivity:	Quick
Actions:	Move to quarantine
Can't be killed:	Move to quarantine

Scanner - Tasks

The available tasks are displayed in the Tasks window. There are only three default tasks in this window, these are the following:

- *Scan only read-only removable drives*
- *Scan writable removable drives*
- *Scan local hard drives*

On the right side of the panel in the *Tasks* windows, the main settings of the selected task are displayed. This information cannot be modified here.

The tasks' type is indicated by the icons in front of them, the following icons are used:

⏱ The task is triggered by an event (system startup).

⏱ The task is started manually by the user.

⏱ The task is scheduled, it is started at a set time of periodically.

By clicking on the following buttons, the following options are available:

- **|Add task|**
  Creates an individual scan task with the defined scan settings.
- **|Modify|**
  Modifies the settings of the selected task.
- **|Delete|**
  Deletes the selected task.
- **|Start|**
  Starts the selected task.
  The window's description, which displays the process of scanning can be found in the *Virus scan window* section.

Create new task

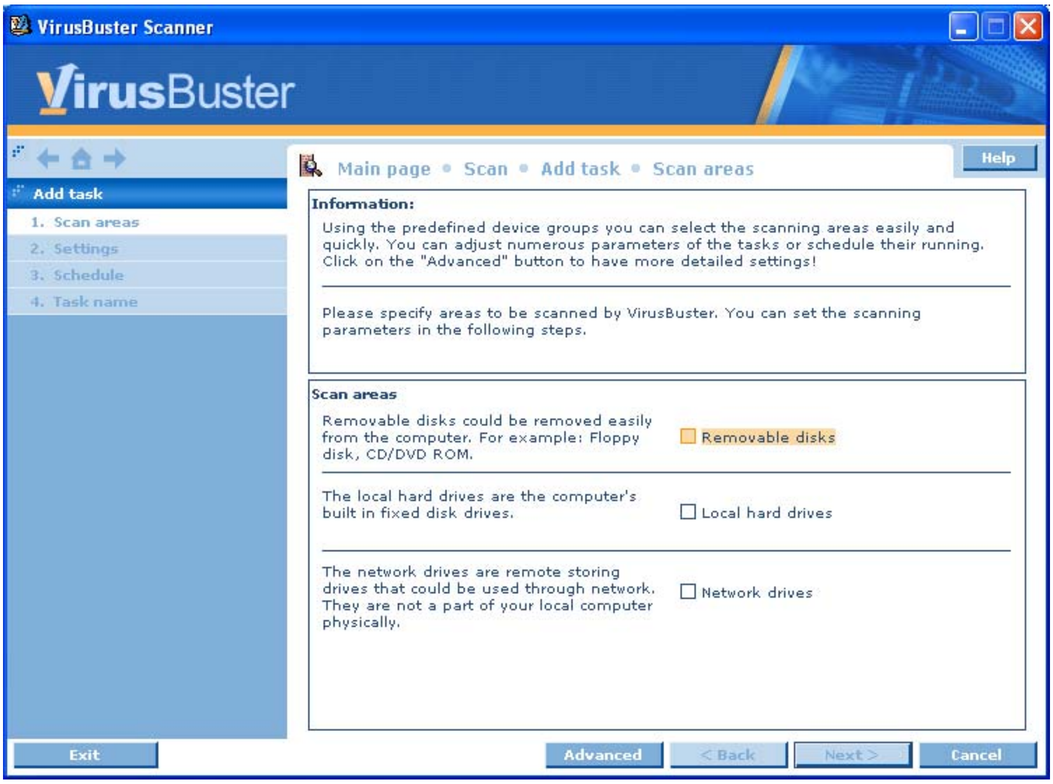
By clicking on the **|Add task|** button, a wizard-style interface will appear, where settings for the new task can be defined step-by-step with detailed descriptions. You can move forward by clicking on the **|Next|** button. Adding the new task can be stopped by clicking on the **|Cancel|** button. The settings can be easily defined on the simple settings panels, or can be adjusted in detail by clicking on the **|Advanced|** button.

Scan areas – selecting the drives, which will be scanned

Simple settings

By selecting the needed drive-types, you can define which drives should be scanned. The *Next* button will only be active if at least one type is selected. The following settings are available:

- *Removable disks*
  Removable disks could be removed easily from the computer. For example: Floppy disk, CD/DVD ROM.
- *Local hard drives*
  The local hard drives are the computer's built in fixed disk drives.
- *Network drives*
  The network driver are remote storing drives that could be used through network. They are not a part of your local computer physically.



Information:

Using the predefined device groups you can select the scanning areas easily and quickly. You can adjust numerous parameters of the tasks or schedule their running. Click on the "Advanced" button to have more detailed settings!

Please specify areas to be scanned by VirusBuster. You can set the scanning parameters in the following steps.

Scan areas

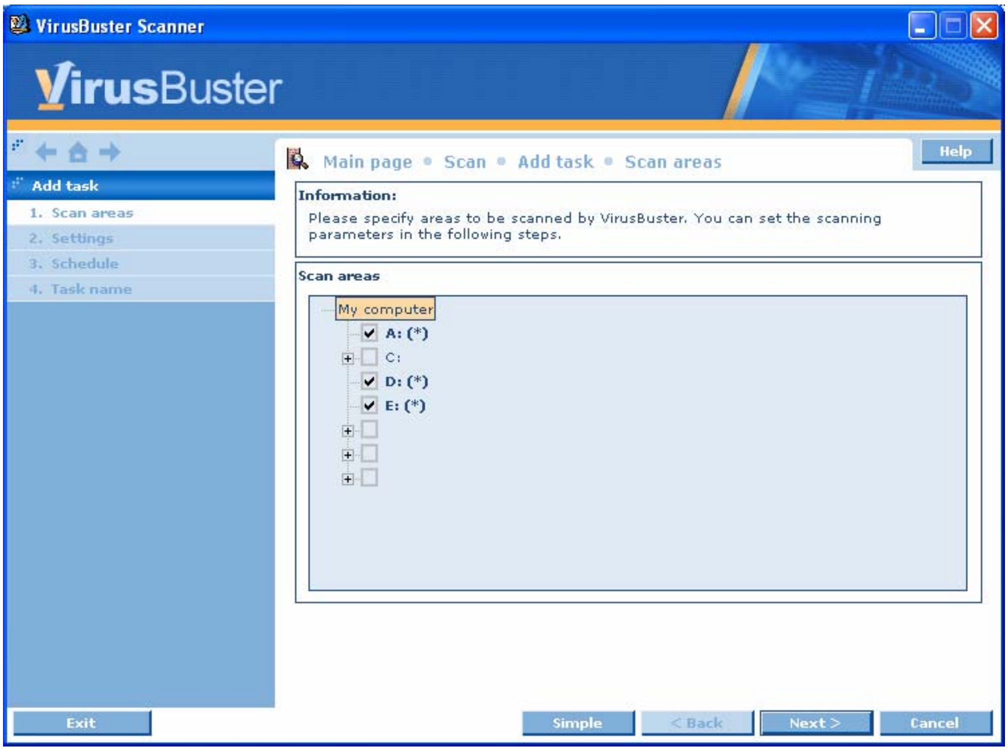
Removable disks could be removed easily from the computer. For example: Floppy disk, CD/DVD ROM. □ Removable disks

The local hard drives are the computer's built in fixed disk drives. □ Local hard drives

The network drives are remote storing drives that could be used through network. They are not a part of your local computer physically. □ Network drives

Scanner – scan areas

Advanced settings



Information:

Please specify areas to be scanned by VirusBuster. You can set the scanning parameters in the following steps.

Scan areas

My computer
- ☑ A: (*)
- □ C:
- ☑ D: (*)
- ☑ E: (*)
- □
- □
- □

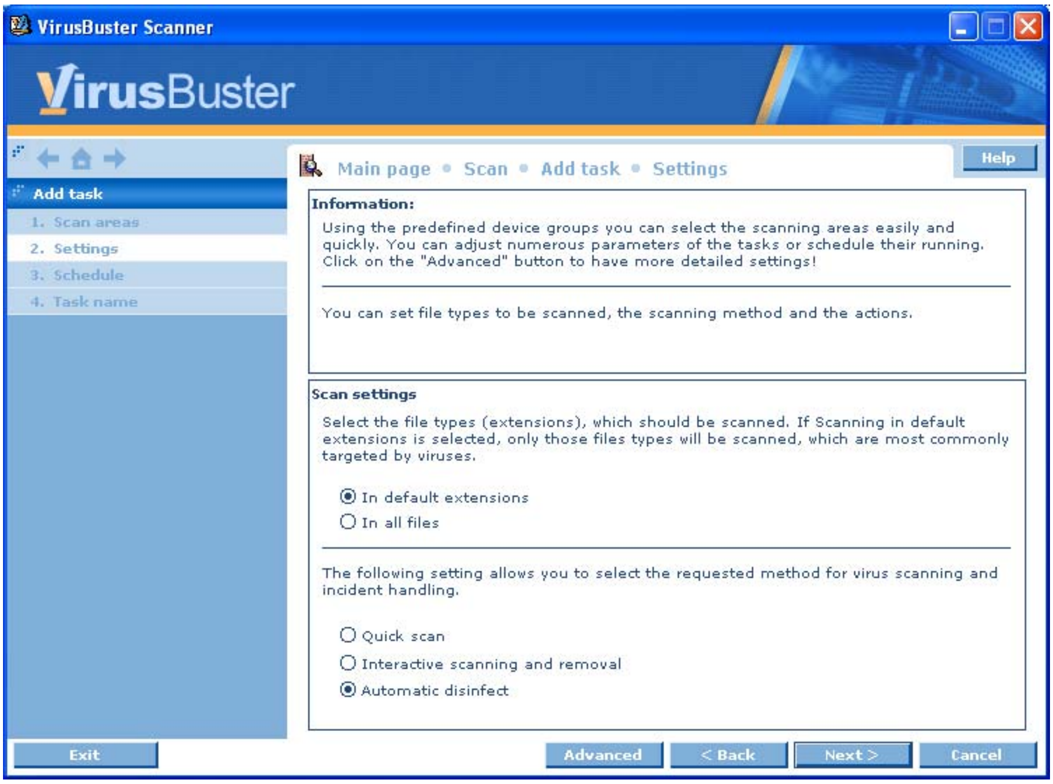
Scanner – scan areas, advanced interface

The drives or individual directories, which should be scanned can be set on the *Advanced* panel. The available drives and directories on the computer are displayed in the *Scan areas* window. A plus sign indicates, if a directory has sub-directories. The plus sign will be changed to a minus sign if the directory is open and its sub-directories are displayed. A directory can be opened by clicking on its name once, or on the plus sign once. If the checkbox in front of the directory is selected, the files in the directory will be scanned. The directory's opened or closed status is very important when selecting checkboxes, as if it is open, its sub-directories will not be scanned. If it is closed, the selection will be applied to all sub-directories recursively. Directories, which are selected recursively are marked with an asterisk (*).

If your computer is a member of a network, you can add network shares to scan by clicking on the **|Network…|** button. You have to select the desired path in the appeared window then click on the **|Add|** button. The selected path will be added to the existed ones.

Settings – specifying the scanning method

Simple settings



Information:

Using the predefined device groups you can select the scanning areas easily and quickly. You can adjust numerous parameters of the tasks or schedule their running. Click on the "Advanced" button to have more detailed settings!

You can set file types to be scanned, the scanning method and the actions.

Scan settings

Select the file types (extensions), which should be scanned. If Scanning in default extensions is selected, only those files types will be scanned, which are most commonly targeted by viruses.

● In default extensions
○ In all files

The following setting allows you to select the requested method for virus scanning and incident handling.

○ Quick scan
○ Interactive scanning and removal
● Automatic disinfect

Scanner - settings

When selecting the scanning *In default extensions* the scanner only scans in file types, which are set by default. These are detailed in the Extension settings section.

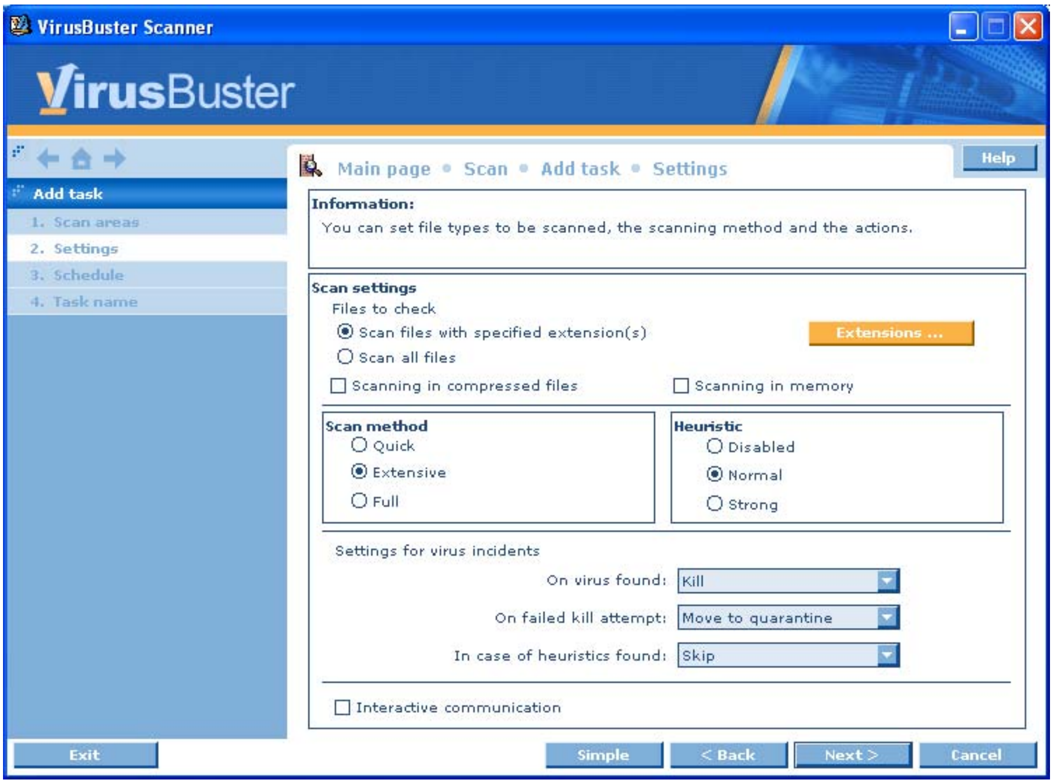
All files can be scanned by selecting the *In all files* option. In this case, all files will be scanned regardless of their extensions.

On the next panel, the method of scanning and disinfection and the scanner's other settings can be adjusted by choosing from the pre-defined scanning methods. These methods are a set of settings, which can be displayed by using the *Advanced* panel.

- *Quick scan*
  Uses the *Fast* scanning method, no heuristics, all viruses will be *Skip*ped. The process is automatic, no user interaction is needed. The set actions will be performed on infected files.

- *Interactive scanning and removal*
  Uses the *Extensive* scanning method and *Medium* heuristics, killable viruses will be *Kill*ed, non-killable viruses will be *Quarantine*d. User interaction is needed when a virus is found, the set actions should be confirmed.
- *Automatic disinfection*
  Uses the *Full* scanning method, *Medium* heuristics, killable viruses will be *Kill*ed, non-killable viruses will be *Quarantine*d. The process is automatic, no user interaction is needed, the set actions will be performed on infected files.

<u>Advanced settings</u>



Information:
You can set file types to be scanned, the scanning method and the actions.

Scan settings
Files to check
● Scan files with specified extension(s)
○ Scan all files
□ Scanning in compressed files
□ Scanning in memory

Scan method
○ Quick
● Extensive
○ Full

Heuristic
○ Disabled
● Normal
○ Strong

Settings for virus incidents
On virus found: Kill
On failed kill attempt: Move to quarantine
In case of heuristics found: Skip

□ Interactive communication

Scanner – settings, advanced panel

If the *Scan all files* option is enabled, all file types (extensions) will be scanned. If the *Scan files with specified extension(s)* option is enabled, only files with extensions specified by the user will be scanned. The default values can be modified by clicking on the **|Extensions …|** button.

- *Extension settings*

  The following file types will be scanned by default:

  - Jet engine files
  - Table files
  - Compressed files
  - Document files
  - Power Point files
  - Program files
  - Script files

  Individual files can be set to be scanned or not to be scanned. For this, the *Files to be scanned* or the *Files not to be scanned* options should be enabled and the needed file types should be specified in the given fields (e.g. *.rxx). Special characters can be used (e.g. *.qwe, *.?ab).

The program will scan all compressions if the *Scan compressions* option is enabled. If the *Scan memory* option is enabled, it will start the scanning by checking the contents of the memory, and then the specified scan areas.

The scanning method can be set on the following levels:

- *Quick/Extensive/Full*

Heuristics can be set on the following levels:

- *Disabled/Normal/Strong*

You can specify the actions, which will be performed (automatic mode), or which will be suggested (interactive mode) when a virus is found on the *Virus found settings* panel. The selected primary action can be set in the *Virus found* option. If this cannot be performed (e.g. the virus cannot be killed), then the secondary action, which is set at the *In case of unsuccessful disinfection* option will be performed or suggested. When a virus is found, all actions can be performed on the file except for *Kill*, therefore it is not needed to set a secondary action, if the set value is other than Kill in case of the primary action. You can set an action for heuristic detections.

The available actions when a virus is found:

- *Kill/Skip/Rename/Move to quarantine/Delete*

Available secondary actions and actions in case of a heuristic detection:

- *Skip/Rename/Move to quarantine/Delete*

If *Interactive communication* is enabled, the software prompts the user for interaction in case of every incident and the set actions will be displayed by default. If this option is not enabled, the set actions will be automatically performed on the infected files.

Scheduling panel – setting the time for starting the scan

The scheduling of a scanning task – the beginning of a virus scan – can be easily done on this panel. You can select the needed frequency or a specific date or event from the various scheduling options. The settings on this panel are the same as described in the *Updater* section's Scheduling chapter.

Task's name

To specify a name for the task, please type the name in the appropriate text field. A name must be specified, otherwise the task cannot be added.

After having pressed the **|Finish|** button, the scanning task with the specified settings will be created and you can refer to it in the list window of the *Tasks* panel with its name. It is not possible to create two tasks with the same name, and the \ (backslash) character cannot be used in the task's name.

Modifying a scanning task

Modification consists of the same steps and settings, which are used during adding a task.

- *Modification of the scan area*

You can modify the target areas of the selected scanning task (*Scan areas* panel).

- *Settings – specifying the scanning method*
  You can modify the settings of the scanning task (*Settings – specifying the scanning method* panel).
- *Scheduling*
  It is possible to modify the scheduling settings (*Scheduling* panel).
- *Task's name*
  The task's name cannot be modified as this is the only settings, that can identify a task. You can return the *Tasks* panel by clicking on the **|Finish|** button.

Starting a scan

If you don't want to add a task for scanning, but want to run a simple virus scan, you can specify the needed settings in the *Start scan* menu. After having selected the menu item, it is important to specify scan areas before starting the scan. After this, the scanning can be started immediately by clicking on the **|Scan button|** in the bottom of the window (in this case, parameters, which have not been specified will be handled with their default value). The following settings are available for the configuration of the manual scan:

- *Scan areas*
  First, the drives must be specified, which should be virus scanned. The panel's function and settings are the same as detailed in the section describing adding a new task on the *Scan areas* panel.
- *Settings*
  You can set, which file types should be scanned and you can specify the actions, which will be performed when a virus is found. The panel is the same as detailed in the section describing adding a new task under *Settings*.
- *Start scan*
  You can overview major scan settings on this panel, and start the scan by clicking on the **|Start|** button. The description of the scan window, which indicates the status of the scan can be found in the *Scan window* section.

Quick scan

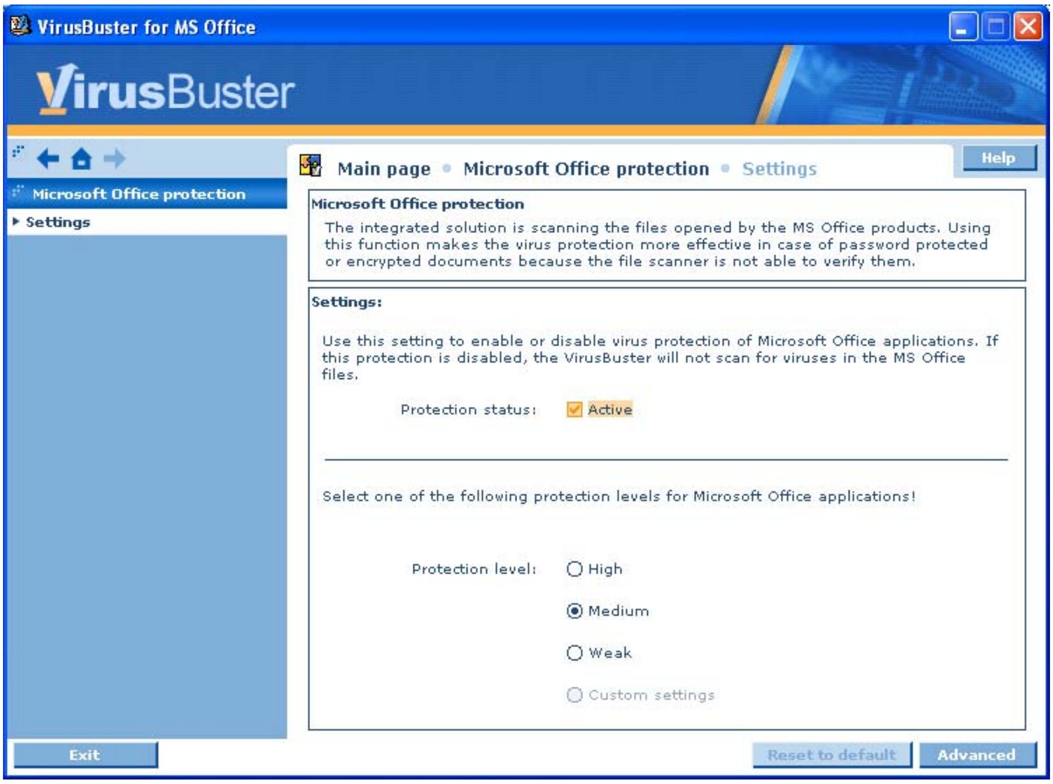
The scanning of files and folders can not only be started from the user interface and the system tray, but from anywhere in the windows system with the help of local menus. In *My Computer,* you can scan a whole drive or in the *Explorer* you can scan a whole directory or just one file.
By clicking with the right mouse button on the needed item (drive, folder or file), a local menu will appear, on which the *Scan with VirusBuster* option must be selected to start scanning the selected item(s). The description of the scan window, which indicates the status of the scan can be found in the *Scan window* section.

MS Office protection

The component provides protection for MS Office applications and the file types used by these. The protection of the MS Outlook mail client is provided by a separate component.

The settings of the protection can be modified on the *Settings* panel. The properties of the *MS Office protection* can be set either on the simple settings panel, or the advanced panel, which offers a wider variety of settings by clicking on the **|Advanced|** button.

Simple settings


VirusBuster for MS Office
VirusBuster
Main page • Microsoft Office protection • Settings
Help
Microsoft Office protection
Settings
Exit
Reset to default
Advanced

Microsoft Office protection

The integrated solution is scanning the files opened by the MS Office products. Using this function makes the virus protection more effective in case of password protected or encrypted documents because the file scanner is not able to verify them.

Settings:

Use this setting to enable or disable virus protection of Microsoft Office applications. If this protection is disabled, the VirusBuster will not scan for viruses in the MS Office files.

Protection status: ☑ Active

Select one of the following protection levels for Microsoft Office applications!

Protection level: ○ High

● Medium

○ Weak

○ Custom settings

MS Office protection – Simple settings

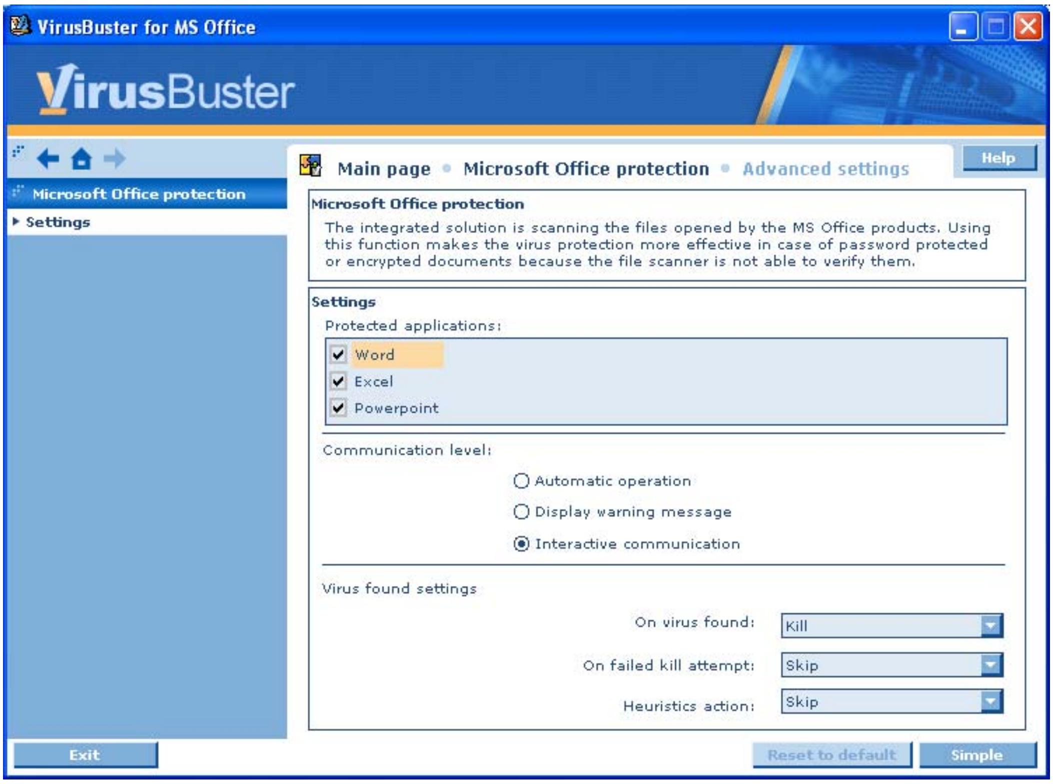
The protection is active if the *Active* checkbox is checked. There are three alternative protection levels and the level can be easily determined by choosing one of them. These levels are default sets of settings, which can be modified individually by clicking on the **|Advanced|** button.

Protection levels:

- *High*
  Uses the *Full* virus scanning option, killable viruses will be disinfected, non-killable viruses will be moved to the quarantine.
- *Medium*
  Uses the *Extensive* virus scanning option, killable viruses will be disinfected, non-killable viruses will be skipped.
- *Weak*
  Uses the *Fast* virus scanning option, killable viruses will be disinfected, non-killable viruses will be skipped.

- *Custom settings*
  This option cannot be selected, it will be enabled if such a combination of settings is created on the *Advanced* panel, which is not present in any of the pre-defined levels.

Advanced settings


VirusBuster for MS Office
VirusBuster
Microsoft Office protection
Settings
Main page • Microsoft Office protection • Advanced settings
Help
Exit
Reset to default
Simple

Microsoft Office protection

The integrated solution is scanning the files opened by the MS Office products. Using this function makes the virus protection more effective in case of password protected or encrypted documents because the file scanner is not able to verify them.

Settings

Protected applications:

☑ Word
☑ Excel
☑ Powerpoint

Communication level:

○ Automatic operation
○ Display warning message
● Interactive communication

Virus found settings

On virus found: Kill
On failed kill attempt: Skip
Heuristics action: Skip

MS Office protection – Advanced settings

By clicking on the checkboxes next to an applications name on the *Advanced* panel in the *Protected applications* window, the application will become protected residently. Unchecked applications will not be protected.

The communication between the software and the user and its level can be set with the *Communication level* options:

- *Automatic operation*
  The protection will automatically perform the set actions and disinfection without user interaction.
- *Display warning message*
  The protection will automatically perform the set actions and will notify the user about them.
- *Interactive communication*
  A notification will appear if a virus is found, and the user can decide about the action, which should be performed (by default, the software will offer the actions according to the protection settings).

The description of *Virus found settings* can be found in the Scanner section! The available actions when a virus is found are the following:

- *Kill/Skip/Rename/Move to quarantine/Delete*

Available secondary actions and settings in case of a heuristic detection:

- *Skip/Rename/Move to quarantine/Delete*

MS Outlook protection

This component provides protection for the MS Outlook mail client. It scans all inbound messages according the settings and provides continuous protection. The component's settings can be modified on the VirusBuster console, but for full configuration, the module integrated into the MS Outlook client should be reviewed as well.

VirusBuster console settings

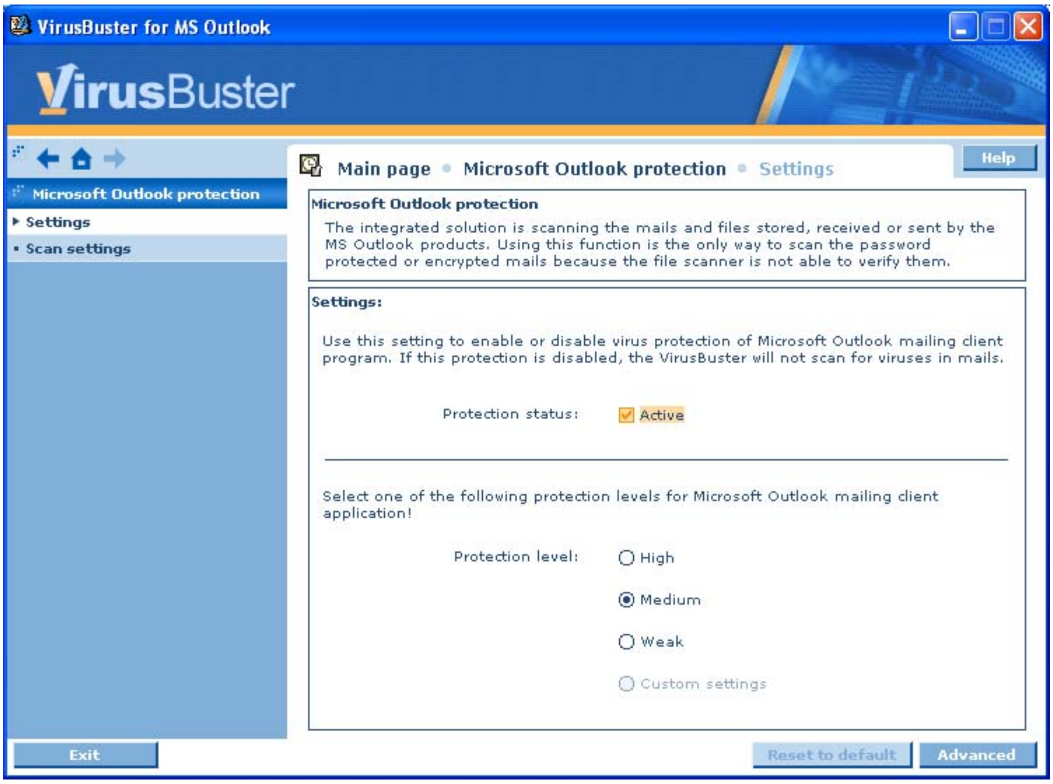
The settings can be modified on the following panels:

- Settings
- Scan settings

Settings

The protection's settings can be modified on the *Settings* panel. The *MS Outlook protection*'s properties can be either modified on the simple settings panel or the advanced panel which contains more detailed options by clicking on the **|Advanced|** button.

Simple settings


VirusBuster for MS Outlook
VirusBuster
Main page • Microsoft Outlook protection • Settings
Help
Microsoft Outlook protection
Settings
Scan settings
Exit
Reset to default
Advanced

Microsoft Outlook protection

The integrated solution is scanning the mails and files stored, received or sent by the MS Outlook products. Using this function is the only way to scan the password protected or encrypted mails because the file scanner is not able to verify them.

Settings:

Use this setting to enable or disable virus protection of Microsoft Outlook mailing client program. If this protection is disabled, the VirusBuster will not scan for viruses in mails.

Protection status: ☑ Active

Select one of the following protection levels for Microsoft Outlook mailing client application!

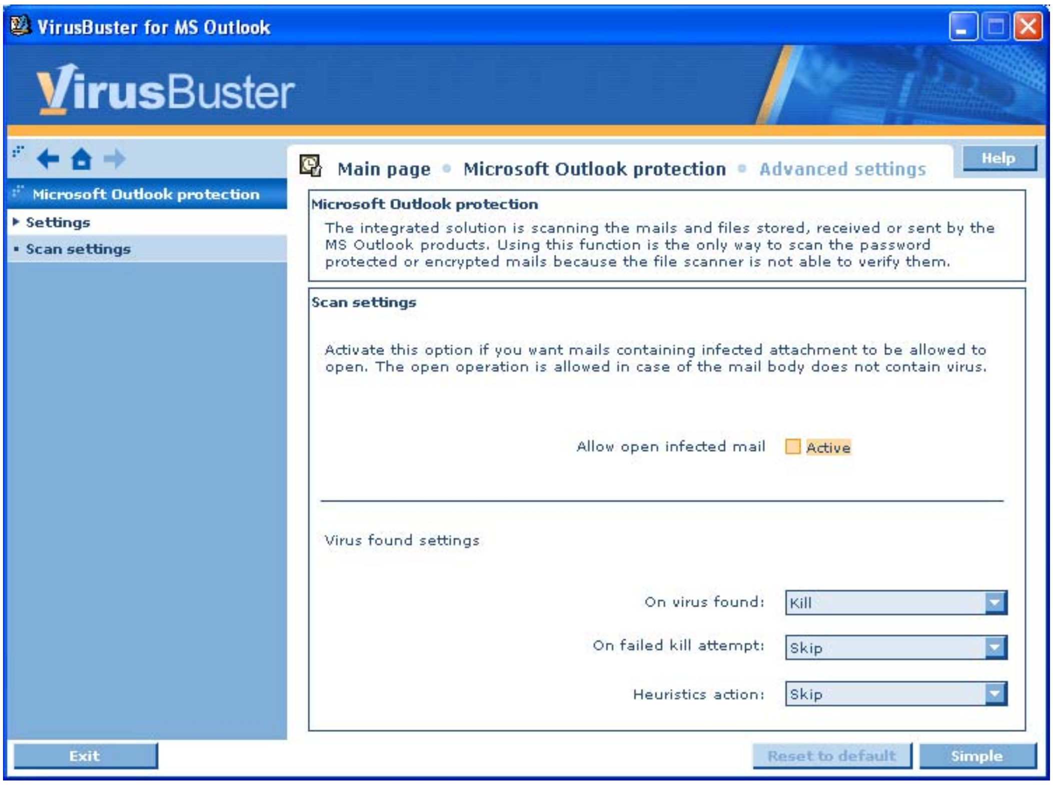
Protection level: ○ High
● Medium
○ Weak
○ Custom settings

MS Outlook védelem - Beállítások

The protection is active if the *Active* checkbox is checked. There are three alternative protection levels and the level can be easily determined by choosing one of them. These levels are default sets of settings, which can be modified individually by clicking on the *Advanced* button.

The protection levels and their meaning is the same as described in the section *MS Office protection module* section.

Advanced settings


VirusBuster for MS Outlook
VirusBuster
Microsoft Outlook protection
Settings
Scan settings
Main page • Microsoft Outlook protection • Advanced settings
Help
Exit
Reset to default
Simple

Microsoft Outlook protection

The integrated solution is scanning the mails and files stored, received or sent by the MS Outlook products. Using this function is the only way to scan the password protected or encrypted mails because the file scanner is not able to verify them.

Scan settings

Activate this option if you want mails containing infected attachment to be allowed to open. The open operation is allowed in case of the mail body does not contain virus.

Allow open infected mail □ Active

Virus found settings

On virus found: Kill

On failed kill attempt: Skip

Heuristics action: Skip

MS Outlook protection – Advanced settings

If the *Allow opening infected mail* option is enabled (the checkbox is checked), it is possible to view the contents of e-mails in the client, which have an infected attachment. If this option is not enabled, the content of e-mails containing an infected attachment cannot be viewed.

The description of *Virus found settings* can be found in the Scanner section! The available actions when a virus is found are the following:

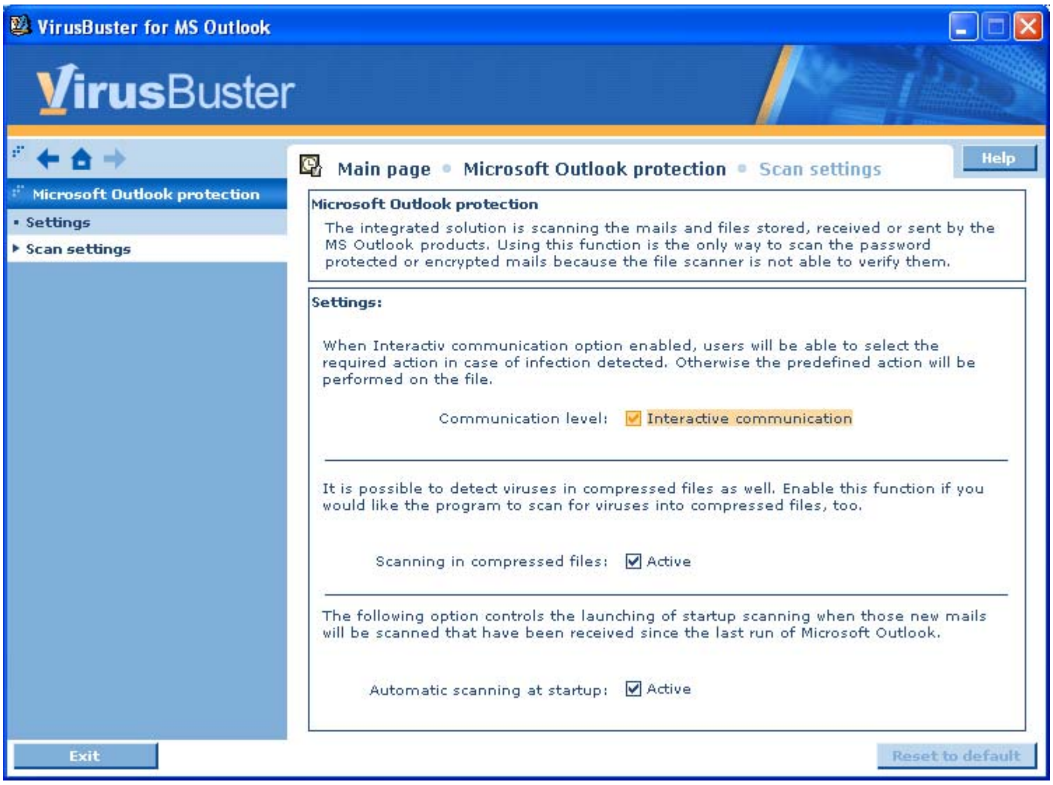
- *Kill/Skip/Rename attachment/Move to quarantine/Delete attachment*

Available secondary actions and settings in case of a heuristic detection:

- *Skip/Rename attachment/Move to quarantine/Delete attachment*

Scan settings

On this panel, scan settings and fine tuning options can be modified.


VirusBuster for MS Outlook
VirusBuster
Microsoft Outlook protection
Settings
Scan settings
Main page
Microsoft Outlook protection
Scan settings
Help
Exit
Reset to default

Microsoft Outlook protection

The integrated solution is scanning the mails and files stored, received or sent by the MS Outlook products. Using this function is the only way to scan the password protected or encrypted mails because the file scanner is not able to verify them.

Settings:

When Interactiv communication option enabled, users will be able to select the required action in case of infection detected. Otherwise the predefined action will be performed on the file.

Communication level: ☑ Interactive communication

It is possible to detect viruses in compressed files as well. Enable this function if you would like the program to scan for viruses into compressed files, too.

Scanning in compressed files: ☑ Active

The following option controls the launching of startup scanning when those new mails will be scanned that have been received since the last run of Microsoft Outlook.

Automatic scanning at startup: ☑ Active

MS Outlook protection -Scan settings

By enabling *Interactive communication* the software will prompt for user interaction every time there is an incident, and offers the set actions by defaults. If this option is disabled, the set actions will be automatically performed on the infected file and the user will not be notified.

By enabling the *Scanning in compressed files* option, the software will scan compressed files for viruses.

If the *Automatic scanning at startup* option is enabled, the protection will initiate a virus scan every time MS Outlook is started, and performs a virus scan on every new, unscanned e-mail.

Settings in the MS Outlook client

The settings can be found in MS Outlook's *Tools/Options* menu on the *MS Outlook protection* tab.

General settings

The panel contains general settings and basic information.

Log

By clicking on the **|View log|** button, the VirusBuster Log component will appear, where log messages can be overviewed.

Functionality

The communication level of the protection can be set here:

- *Interactive mode*
  If this option is chosen, the software will prompt the user for further instructions if a virus is found.
- *Automatic operation*
  The software does not ask for user interaction and performs actions according to the settings.

Registration

The status of registration is displayed on this part of the panel. By clicking on the **|Registration|** button, a registration window will appear, where the needed VirusBuster product can be selected and registered with the registration data.

Virus database

The virus database's version number and date. Information can be updated by clicking on the **|Refresh|** button.

Scan settings

User-initiated scans can adjusted here (including the automatic scanning at startup).

Scan options

- *Automatic scanning at startup*
  By enabling this option, the software will scan all messages, which have not been scanned before every time Outlook is started.
- *Scanning in compressed files*
  If this option is enabled, the software will scan compressed files.

Virus found settings

The description of *Virus found settings* can be found in the Scanner *section*! The available actions when a virus is found are the following:

- Kill/Skip/Rename attachment/Move to quarantine/Delete attachment

Available secondary actions and settings in case of a heuristic detection:

- Skip/Rename attachment/Move to quarantine/Delete attachment

MS Outlook resident protection settings

If the *Resident protection* is enabled, the software will perform a scan every time a mail is accessed (reading, writing). The following virus scanning options are available:

- *Scanning in compressed files*
  If this checkbox is checked, the software will scan compressed attachments.
- *Open infected mail*
  If this option is enabled, the software will not let the user open the mail, if it has an infected attachment.
- *Open infected attachment*
  If this option is enabled, the software will not let the user open the attachment, if it is infected.
- *Attach infected file*
  If this checkbox is checked, the software will not let the user attach an infected file to an e-mail.

Controlled operations:

- *Received mails*
  If this option is enabled, the software scans all inbound messages.
- *Sent mails*
  If this option is enabled, the software scans all outbound messages.
- *Opened mails*
  If this option is enables, the software scans all opened e-mails.
- *Modified mails*
  If this option is enabled, the software scans all modified e-mails including re-sent e-mails.
- *Inserted attachments*
  If this option is enabled, the software scans all files (attachments) when they are inserted into e-mails.

In the Virus found settings part the same settings can be chosen as in the *Scan settings* panel's *Virus found* section.

Scan e-mails

By choosing the *Tools/Full scan* or *Tools/Scan selected e-mails* options in MS Outlook, all or the selected e-mails can be scanned.

The window displayed during the scan contains the following information:

- *Virus scan information*
  The number of scanned e-mails, the number of found viruses, suspicious files, disinfected attachments and the last found virus are displayed here.
- *Scanning information*
  Inform the user about the folder, where scanning is performed, the sender of the e-mail and subject.
- *Log information*
  The list of found viruses is displayed here.

When scanning is finished, the window will be automatically closed if there were no viruses found. If a virus was found, the window can be closed by clicking on the **|OK|** button.

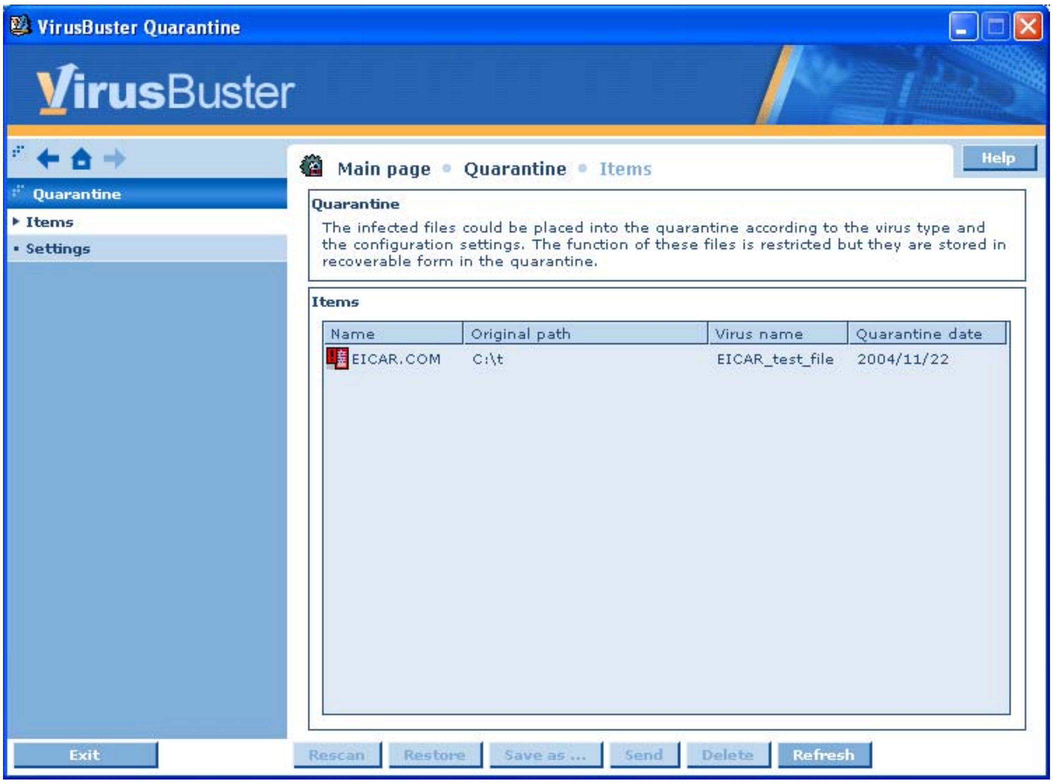
Quarantine module

The component's task is to store and process infected files, which cannot be disinfected according to the settings. Quarantine settings can be modified on the following panels:

- Items
- Settings

Items

The *Entries* list provides information about all files, which are stored in the quarantine.



Quarantine

The infected files could be placed into the quarantine according to the virus type and the configuration settings. The function of these files is restricted but they are stored in recoverable form in the quarantine.

Items

Name	Original path	Virus name	Quarantine date
EICAR.COM	C:\t	EICAR_test_file	2004/11/22

Quarantine - Entries

The following information is displayed in the quarantine window:

- *Name*
  The file's original name
- *Original path*
  The original path of the file before it was moved to the quarantine.
- *Virus name*
  The name of the virus, which has infected the file.
- *Quarantine Date*
  The date, when the file was moved to the quarantine.

Several actions can be performed on the quarantined files, which can be activated by clicking on the buttons on the bottom of the panel.

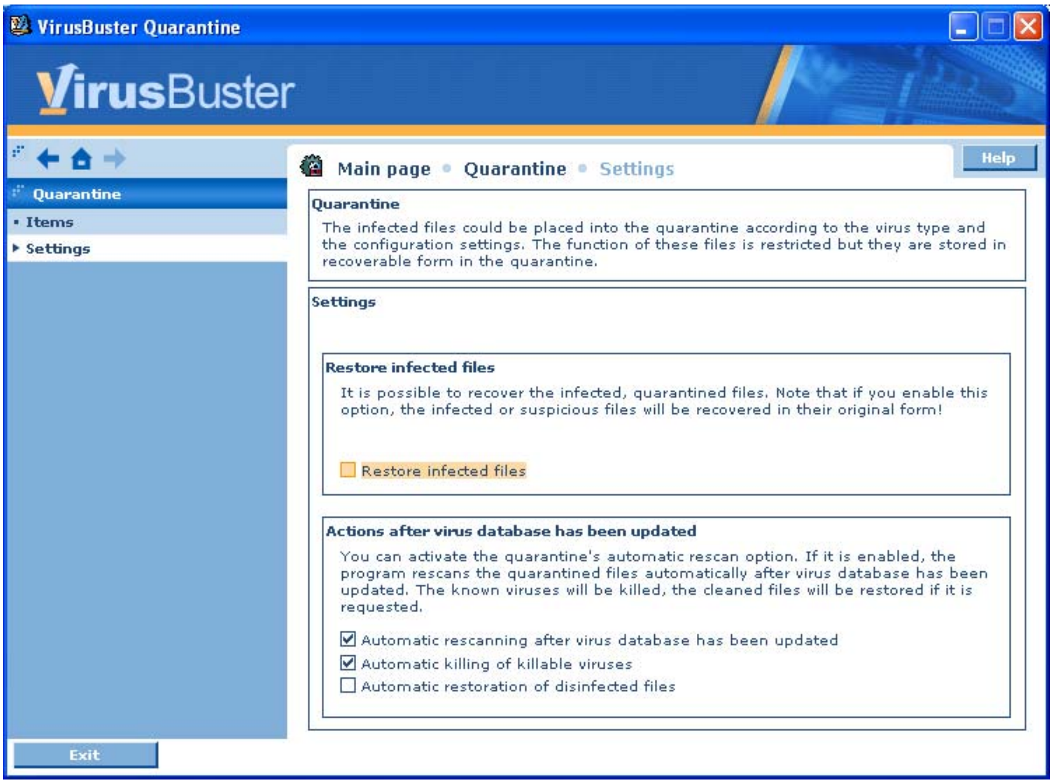
- **|Rescan|**
  The software performs an additional scan on the selected file(s) and removes the virus if it is

possible.

- **|Restore|**
  The software restores the file to its original location and status, if the *Restore infected files* option is enabled on the component's *Settings* panel, but only if the file is infected, the original past exists and there is no file on the path with the same name. If a file with the same name can be found on the original path, or the original path does not exist, the quarantine restores the file to the software's temporary directory.
- **|Save as...|**
  Saves the file with the specified name. The software encodes the file, so that the virus cannot be activated and the file can be sent to virus analysis.
- **|Send|**
  Sends the selected file to VirusBuster for analysis. This option is functioning only if SMTP settings are proper in the Mailer component. You can send the message in the Mailer component after clicking on the button.
- **|Delete|**
  The program permanently deletes the selected file(s).
- **|Refresh|**
  Refreshes the list of items in the quarantine.

Settings

Other quarantine settings can be found on this panel.



Quarantine

The infected files could be placed into the quarantine according to the virus type and the configuration settings. The function of these files is restricted but they are stored in recoverable form in the quarantine.

Settings

Restore infected files

It is possible to recover the infected, quarantined files. Note that if you enable this option, the infected or suspicious files will be recovered in their original form!

□ Restore infected files

Actions after virus database has been updated

You can activate the quarantine's automatic rescan option. If it is enabled, the program rescans the quarantined files automatically after virus database has been updated. The known viruses will be killed, the cleaned files will be restored if it is requested.

☑ Automatic rescanning after virus database has been updated
☑ Automatic killing of killable viruses
□ Automatic restoration of disinfected files

Quarantine - Settings

By enabling the *Restore infected files* option, the quarantine's restore function can be used in case of infected files and the **|Restore|** button becomes active on the *Entries* panel.

- *Automatic rescan after virus database has been updated*
  If the option is enabled, the software will rescan every file in the quarantine after every virus

database update and removes all viruses, if it is possible.

- *Automatic killing of killable viruses*
  If this option is enabled, viruses, which can be disinfected after the virus database update will be automatically removed from the files stored in the quarantine. This option can only be enabled, if the *Automatic rescan after virus database updates* option is enabled.
- *Automatic restoration of disinfected files*
  If the option is enabled, the software will restore all files, which have been automatically disinfected after a virus database update. This option can only be enabled, if the *Automatic rescan after virus database updates* option is enabled.

> Important!
> It is not need to specify a path for the quarantine directory, the software will use the **`Quarantine`** sub-directory in the installation directory.

Log component

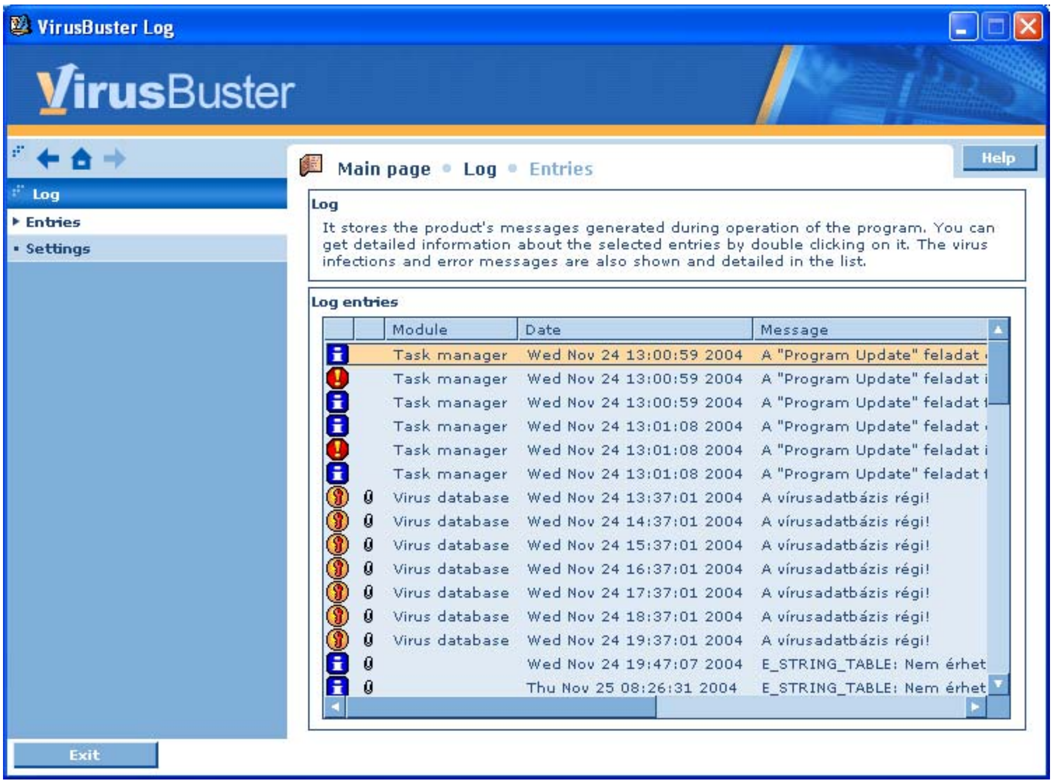
Its main task is to store the messages generated by the various parts (modules) of the software and to forward these to the user if needed.

To view the log entries and to change the settings, the following menu items should be used:

- Entries
- Settings

Entries

With the help of log messages, you can overview the operation of the virus protection or reveal the cause of possible error and view other program messages.



Log

It stores the product's messages generated during operation of the program. You can get detailed information about the selected entries by double clicking on it. The virus infections and error messages are also shown and detailed in the list.

Log entries

		Module	Date	Message
ℹ		Task manager	Wed Nov 24 13:00:59 2004	A "Program Update" feladat
❗		Task manager	Wed Nov 24 13:00:59 2004	A "Program Update" feladat
ℹ		Task manager	Wed Nov 24 13:00:59 2004	A "Program Update" feladat
ℹ		Task manager	Wed Nov 24 13:01:08 2004	A "Program Update" feladat
❗		Task manager	Wed Nov 24 13:01:08 2004	A "Program Update" feladat
ℹ		Task manager	Wed Nov 24 13:01:08 2004	A "Program Update" feladat
⚠	📎	Virus database	Wed Nov 24 13:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 14:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 15:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 16:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 17:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 18:37:01 2004	A vírusadatbázis régi!
⚠	📎	Virus database	Wed Nov 24 19:37:01 2004	A vírusadatbázis régi!
ℹ	📎		Wed Nov 24 19:47:07 2004	E_STRING_TABLE: Nem érhet
ℹ	📎		Thu Nov 25 08:26:31 2004	E_STRING_TABLE: Nem érhet

Log - Entries

In the *Log entries* panel, the following information is displayed:

- *Module*
  The name of the module, which generated the message
- *Date*
  The date, when the message was generated
- *Machine*
  The name of the computer, where the message was created.
- *User*
  The name of the user, who started the application, which generated the message.

The software refreshes the list automatically if a new messages is generated or a message is deleted. The refresh does not modify the selected entry, provided it is not the one that has just been deleted from the list.

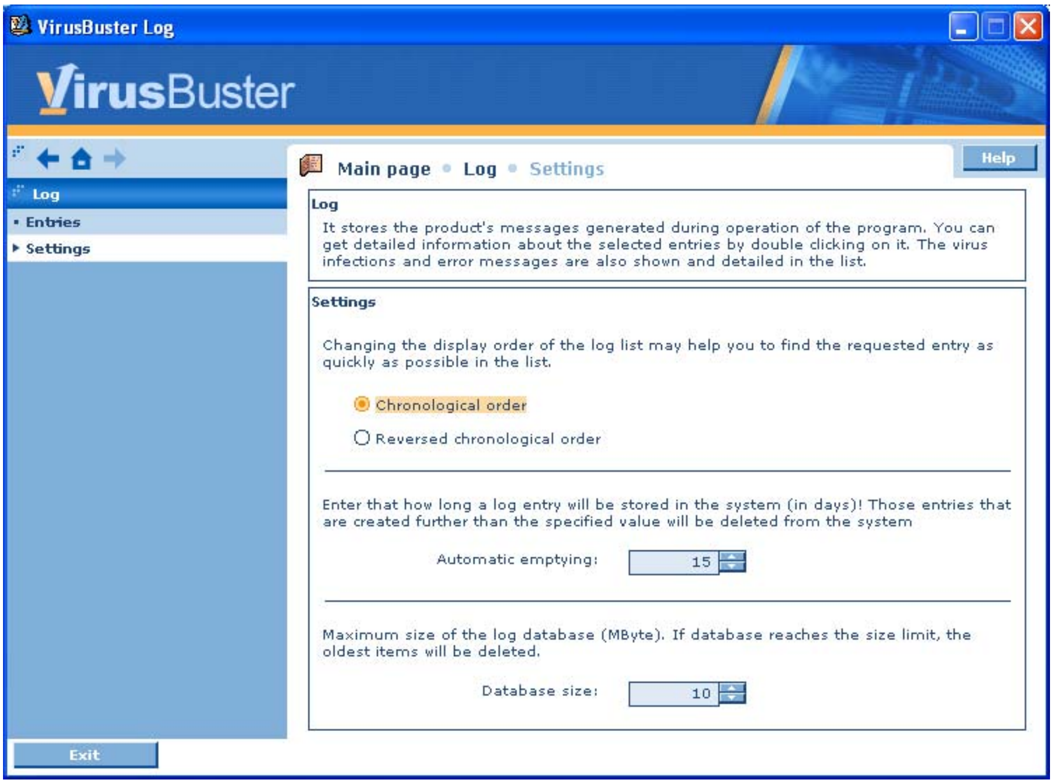
By clicking in the list panel with the right mouse button, a pop-up menu will appear, where it is possible to switch the various fields of messages on or off, or to perform the following actions:

- *Save log…*
  Saves the content of the message to the desired file.
- *Send…*
  Sends message and log file to VirusBuster's support staff. After having selected it, you can send the message in the *Mailer component*'s window (if installed).
- *Reload*
  Refreshes the list.
- *Delete*
  Deletes !all! the messages from the list.

By double-clicking on any entry with the left mouse button, the message details will appear, and the whole content of the message can be overviewed.

Settings

The settings of the log entries' display and handling can be modified on this panel.



Log

It stores the product's messages generated during operation of the program. You can get detailed information about the selected entries by double clicking on it. The virus infections and error messages are also shown and detailed in the list.

Settings

Changing the display order of the log list may help you to find the requested entry as quickly as possible in the list.

● Chronological order

○ Reversed chronological order

Enter that how long a log entry will be stored in the system (in days)! Those entries that are created further than the specified value will be deleted from the system

Automatic emptying: 15

Maximum size of the log database (MByte). If database reaches the size limit, the oldest items will be deleted.

Database size: 10

Log - Settings

The chronological order of the log entries can be set by choosing between the options, and the size of the log file can be limited:

- *Automatic emptying*
  Entries older than the set value (days) will be automatically deleted from the database.

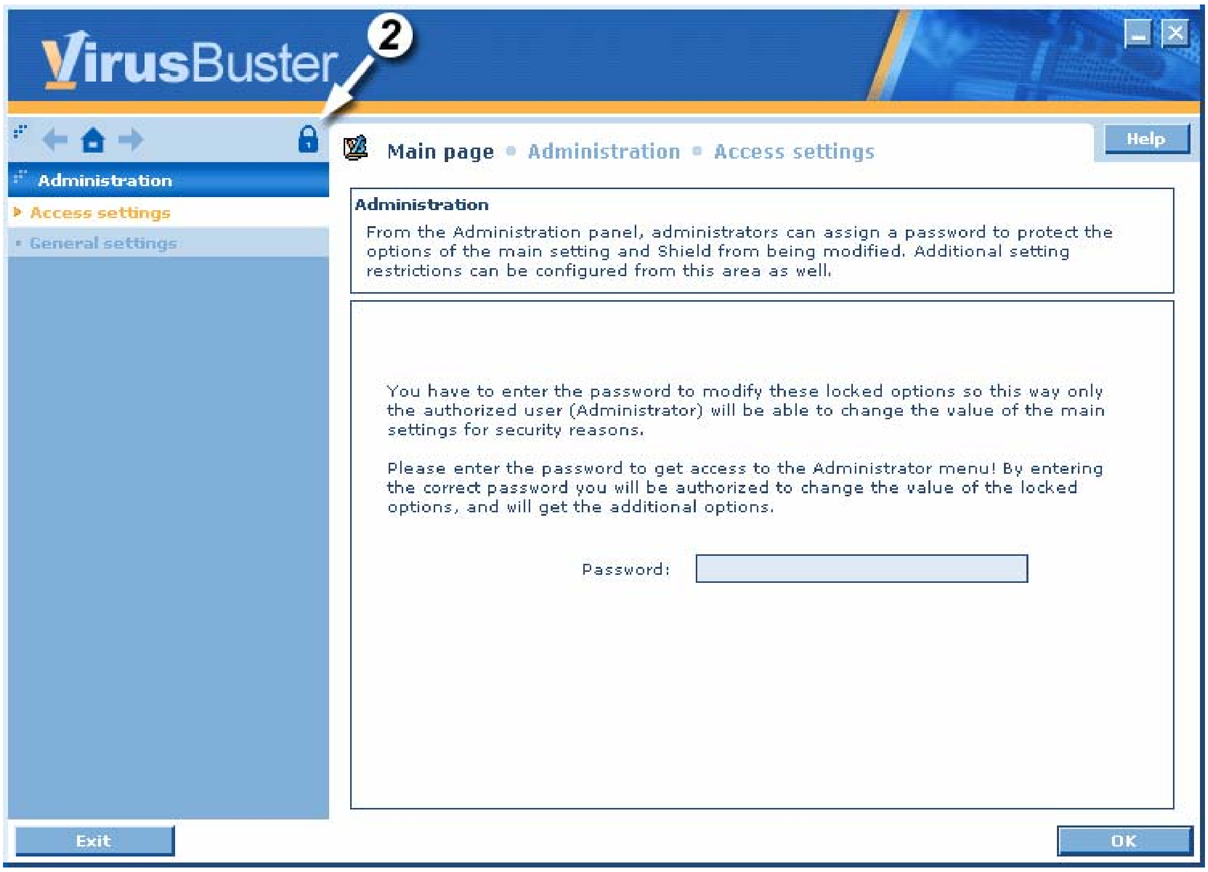
- *Database size*
  A size limit for the log file can be set in Mbytes. The software will not exceed this size by deleting old log entries.

Administration

On the Administration panel, Administrators are allowed to lock the modification of the main settings, and will be authorized to set some additional options to customize the program operation. Administrator can set password to limit the access to the main settings of the application to ensure that only the authorized users can modify the values of the important options and the Administrator settings.

There is a lock symbol on the *Navigation panel* to display the modification status of the settings. If the lock is open (1) users can modify the all the settings of the application, if it is locked (2) the modification is not possible (arrows show the two statuses of the symbol on the following pictures).

Clicking on the Administration menu, you have to enter your password – if it was specified before – to access to the administrator panel and be able to modify the value of the locked options. Enter your password into the *Password* field then click on the **|OK|** button to get the administration settings.



Administration

From the Administration panel, administrators can assign a password to protect the options of the main setting and Shield from being modified. Additional setting restrictions can be configured from this area as well.

You have to enter the password to modify these locked options so this way only the authorized user (Administrator) will be able to change the value of the main settings for security reasons.

Please enter the password to get access to the Administrator menu! By entering the correct password you will be authorized to change the value of the locked options, and will get the additional options.

Password:

Enter password

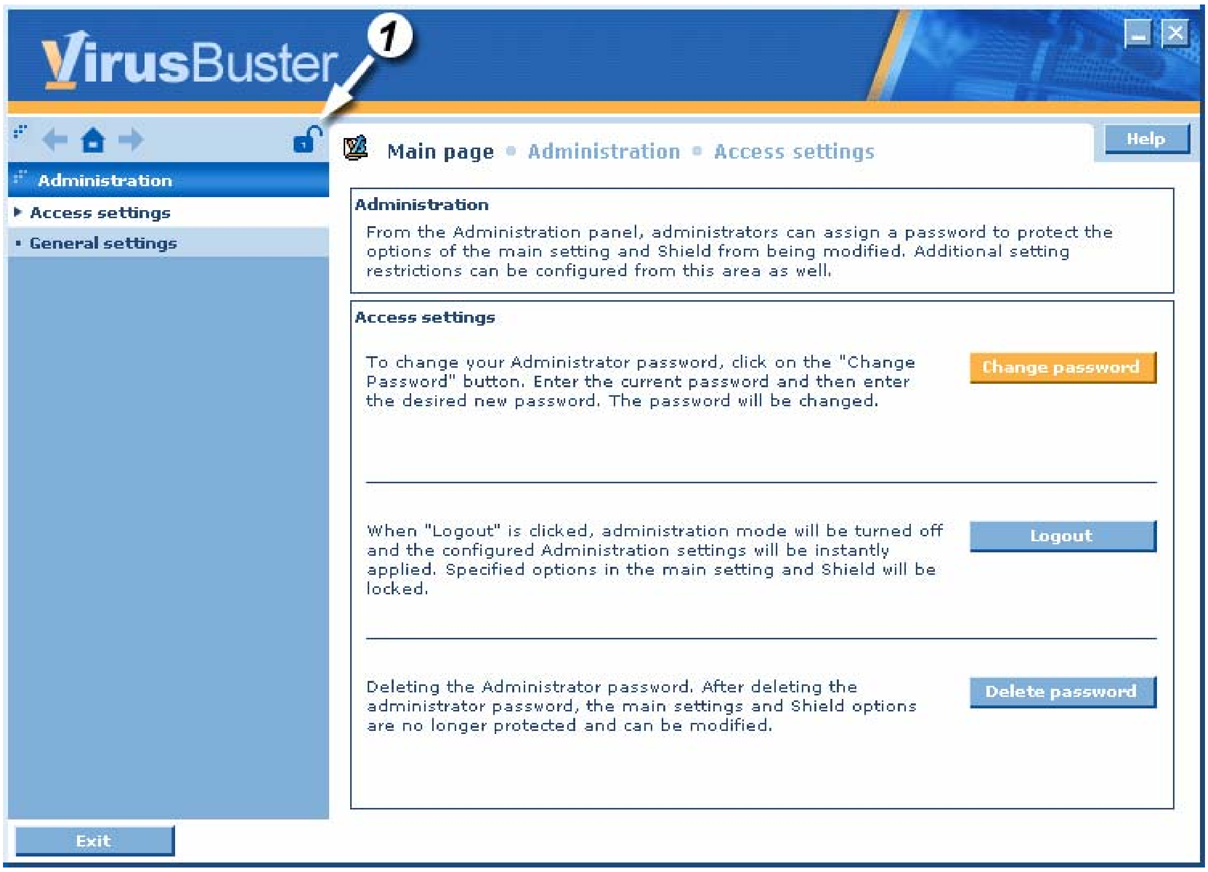
If there is no password specified, all the settings could be modified by the users. Click on the **|Set password|** button to set your Administrator password on the *Access settings* panel.

Access settings

If password is not set for the product, only the **|Set password|** button is available on this panel to set your password. After setting password, some important options' modification will not be allowed using the product without entering the specified password so that unauthorized users will not be able to change important settings of the product.

If you set your administrator password, the following options will be available on this panel:

- *Change password*
- *Logout*
- *Delete password*



Administration

From the Administration panel, administrators can assign a password to protect the options of the main setting and Shield from being modified. Additional setting restrictions can be configured from this area as well.

Access settings

To change your Administrator password, click on the "Change Password" button. Enter the current password and then enter the desired new password. The password will be changed.

When "Logout" is clicked, administration mode will be turned off and the configured Administration settings will be instantly applied. Specified options in the main setting and Shield will be locked.

Deleting the Administrator password. After deleting the administrator password, the main settings and Shield options are no longer protected and can be modified.

Access settings

General settings

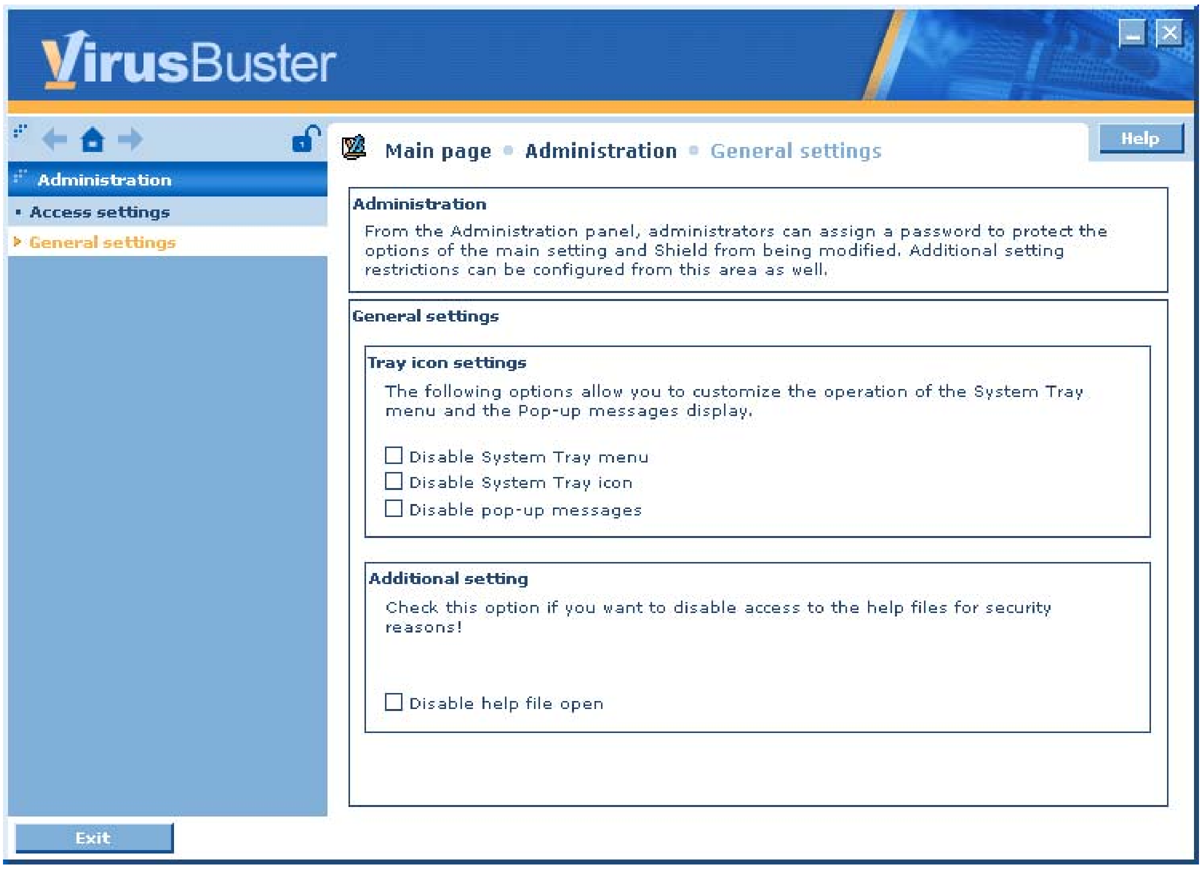
You can control the general operation of the product by enable/disable various functions.

The *System Tray* options allow you to customize the operation of the System Tray menu and the Pop-up windows.

- *Disable System Tray menu*
  If you check this option the local menu of the System Tray icon will not be displayed even if right clicking on the icon.
- *Disable System Tray icon*

Selecting this option the System Tray icon will not be shown on the Tray.

- *Disable Pop-up messages*
  The application will not warn the user by Pop-up windows (displayed right above the System Tray) about problems and events occurred during operation. This setting doesn't have an effect on displaying other information windows (virus alerts, warnings) of the product.



Administration

From the Administration panel, administrators can assign a password to protect the options of the main setting and Shield from being modified. Additional setting restrictions can be configured from this area as well.

General settings

Tray icon settings

The following options allow you to customize the operation of the System Tray menu and the Pop-up messages display.

□ Disable System Tray menu
□ Disable System Tray icon
□ Disable pop-up messages

Additional setting

Check this option if you want to disable access to the help files for security reasons!

□ Disable help file open

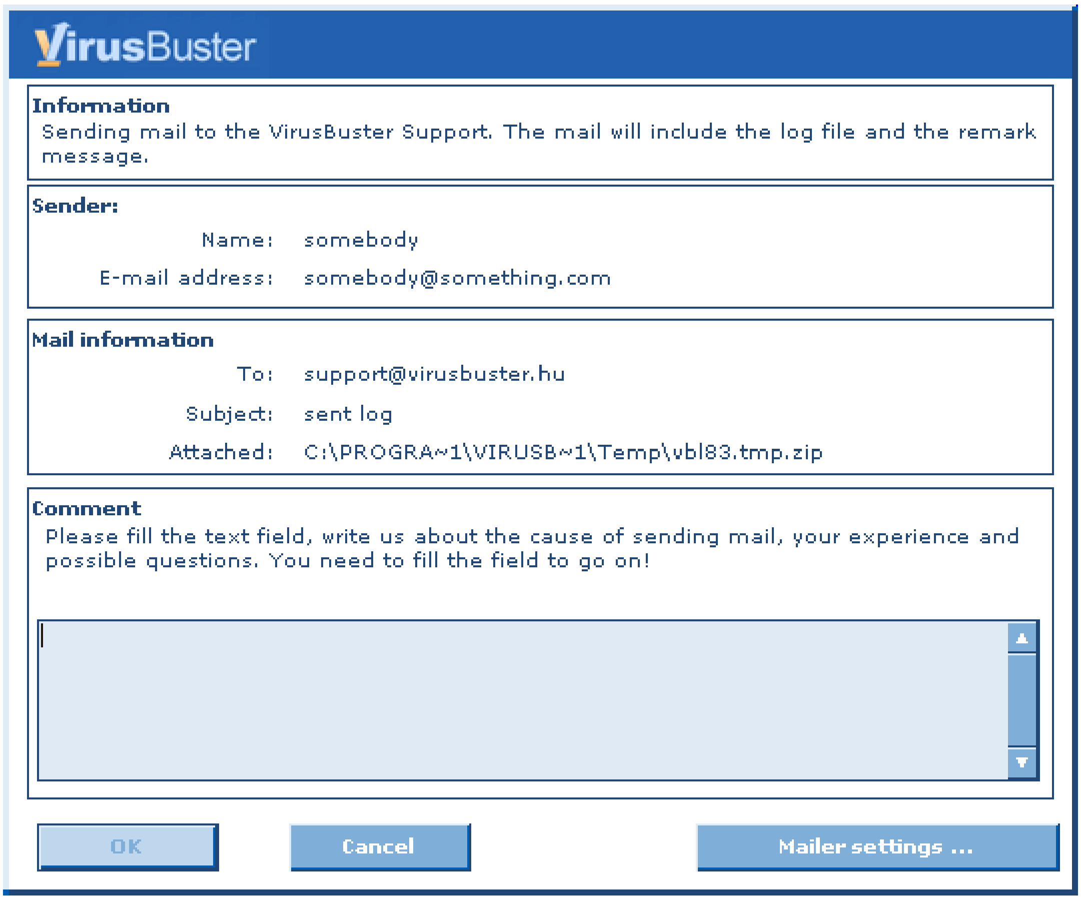
General settings

Check the option in the *Other setting* group if you want to disable access to the Help file for security reason! If you disable the Help, users will not be able to have the Help file displayed by clicking **|Help|** button on the interface.

Sending mails

It is possible to send a direct mail to VirusBuster from the program if you have a question or request.

The Mailer component can be accessed from the system tray (click on the VirusBuster icon with the right mouse button and select the *Support/Contact us* option), or from the *Log* or *Quarantine* components.



Information
Sending mail to the VirusBuster Support. The mail will include the log file and the remark message.

Sender:
Name: somebody
E-mail address: somebody@something.com

Mail information
To: support@virusbuster.hu
Subject: sent log
Attached: C:\PROGRA~1\VIRUSB~1\Temp\vbl83.tmp.zip

Comment
Please fill the text field, write us about the cause of sending mail, your experience and possible questions. You need to fill the field to go on!

Sending the log

When sending the log, or items selected from the quarantine, an information window will appear. On its upper side, the sender's data is displayed. These data, which are specified by the sender can be modified – along with the SMTP settings – by clicking on the **|Mailer settings ...|** button. The following fields must be filled on the panel (specifying appropriate SMTP settings is vital for the operation of the Mailer):

- *SMTP server*
  Name of the server which delivers the e-mails, usually this name is given by the ISP (Internet Service Provider) or it is the name of the Exchange server (this information can be found in the mailer client settings /Outlook, Thunderbird, etc./ or you can ask your system administrator or ISP).
- *Port number*
  The port number of the mail server (25 in most cases).
- *User name*
  This name will be displayed in the mail you sent us as 'sender'
- *E-mail address*
  This is your e-mail address the response will be sent for.

In the center of the panel in the *Mail information* section, the header of the mail, which will be sent is displayed, but it cannot be edited. The recipient is VirusBuster's support division. Under this, the mail's subject and the attached files are displayed: in case of sending the log, the name of the attached log file, in case of sending quarantined files, a referrer to the attached files. You have to fill the *Comments* text field in which you can describe your problem, write your questions and comments.

You can send the e-mail by pressing the **|OK|** button, or terminate the process by clicking on the **|Cancel|** button.

Virus scanning methods

The virus scanning engine is able to scan for and detect viruses according to the set methods/levels. It is possible to choose the needed scanning method in the components in the software. The following levels are available:

- *Quick*
  Only scans those parts of the file, which are most likely to contain a virus and does not detect viruses, which can only be detected by using a major amount of system resources (e.g. Excel FORMULA viruses).
- *Extensive*
  Optimized scanning method, which detects all viruses registered in the virus database and scans those parts of the file, which are most likely to contain a virus.
- *Full*
  Detects all viruses registered in the virus database and scans the whole file, even those parts, where viruses are not likely to be found.

Heuristics

During the heuristic analysis, the software tries to detect codes and programs, which have virus-like characteristics but are not registered in the virus database. If such a *suspicious* file is found, the user is notified. The following levels of heuristic analysis are available:

- *Disabled*
  No heuristic analysis.
- *Normal*
  The depth of the analysis is limited, the possibility of false positives is low, but the chance of detecting unknown viruses is not too high.
- *Strong*
  The chance of detecting unknown viruses is higher, but there is a higher possibility of false positives.

Actions

In case of a virus infection, several actions can be performed on the infected file. The following actions are available:

- *Kill*
  Removes the virus from the infected file, the file will be disinfected and restored to its original status.
- *Move to quarantine*
  Moves the file to the quarantine directory. Viruses moved to the quarantine are not functional, they are not dangerous for the system.
- *Skip*
  No action is performed on the infected file.
- *Delete*
  Deletes the infected file permanently.
- *Rename*
  Renames the extension’s first letter to v in the infected file.

The following actions can be performed on e-mail attachments:

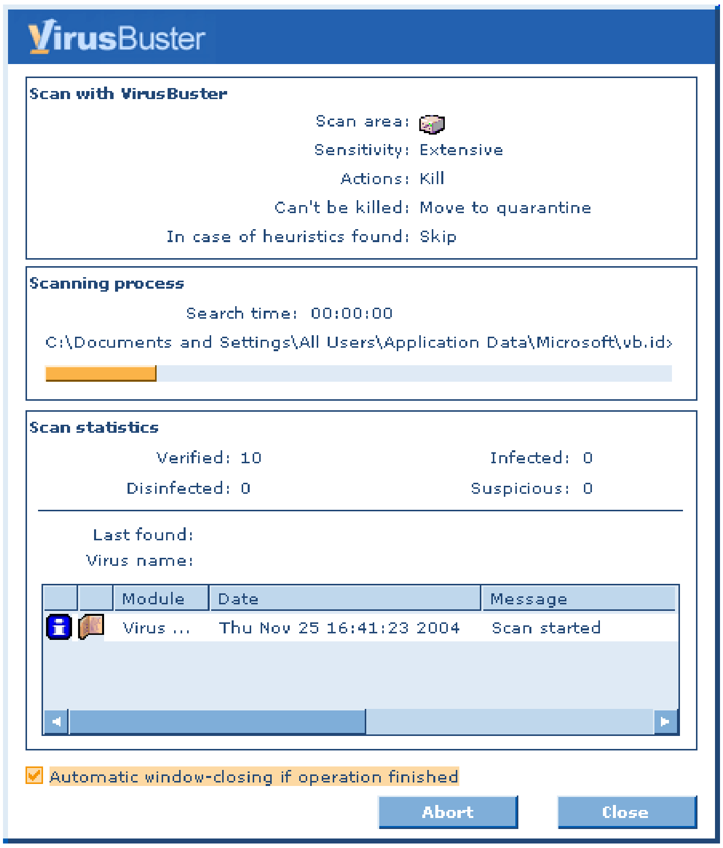
- *Delete attachment*
  Deletes the infected attachment from the e-mail.
- *Rename attachment*
  Renames the extension’s first letter to w in the infected attachment.

Windows, messages

VirusBuster displays its messages and information in message windows on the screen to inform the user about viruses, or events, which occur in the system.

Virus scan window

When a virus scan is started, the process of the scanning and its parameters are displayed in a window to inform you about the status of the scanning.



Scan with VirusBuster

Scan area:
Sensitivity: Extensive
Actions: Kill
Can't be killed: Move to quarantine
In case of heuristics found: Skip

Scanning process

Search time: 00:00:00
C:\Documents and Settings\All Users\Application Data\Microsoft\vb.id>

Scan statistics

Verified: 10
Infected: 0
Disinfected: 0
Suspicious: 0

Last found:
Virus name:

		Module	Date	Message
		Virus ...	Thu Nov 25 16:41:23 2004	Scan started

☑ Automatic window-closing if operation finished

Virus scan window

In the upper part of the window, the main settings of the scanning process and the method of scanning and disinfection are displayed. The *Scanning process* section contains the name of the file, which is currently scanned and its path, the elapsed time and a status indicator bar. The *Scan statistics section* contains the number of scanned files, the number of infected files, the number of disinfected files and the number of suspicious files. The *Last found virus* – where the last found infected file and its path are displayed – and the *Virus name* fields informs you about the last found virus. The log entries, which have been generated during the scanning process are displayed in a window at the bottom of the panel. You can access detailed information about each entry, by clicking on an item twice with the left mouse button.

Virus scans can be started in many ways, therefore the displayed scan windows basically contain the same information, but there are some differences between different types of scans. The above mentioned general information types are always displayed in the window, other displayed settings and buttons depend on the starting method of the virus scanning process.

Virus scan window during a scanning task and during a manual scan

In case of these scanning methods, the virus scan window is not displayed as a separate window, but on the console interface. Above basic information, several buttons are available to control the scanning process:

You can terminate scanning by clicking on the **|Cancel|** button to return to the scanning *Tasks*.

During the scanning:

- **|Stop|**
  You can stop the scanning any time during the process. After having stopped the process, those buttons will become available, which are displayed when the scanning has been finished.
- **|Pause|**
  If the scanning is paused, the process will be stopped, but not permanently. You can continue scanning by clicking on the **|Continue|** button.

After the scanning:

- **|Rescan|**
  Restarts the scanning task.
- **|Save as …|**
  Saves the virus scan's log entries to a log file.
- **|Add|** (Only in case of *Manual scanning*!)
  The scan with the adjusted settings can be saved as a scanning task, which can be started later by only one clicking on a button. You need to set *Scheduling* and *Task's name* to be able to create the new task.

Virus scan window during a quick scan

In case of a quick scan, a window will appear which informs the user about the status of the scan. By enabling the *Automatically close the window after the operation* option at the bottom of the panel, the scan window will be automatically closed after the scanning has been finished. This can also be performed by clicking on the **|Finish|** button. The scanning process can be terminated by clicking on the **|Stop|** button.

Message window

The program uses message window to display information about virus incidents, the effects of operations started by the users or other functionality problems, which occur in the system.

Recognizing a virus infection

During the virus scan, if a file is infected, the program will display a message window.

Infection types:

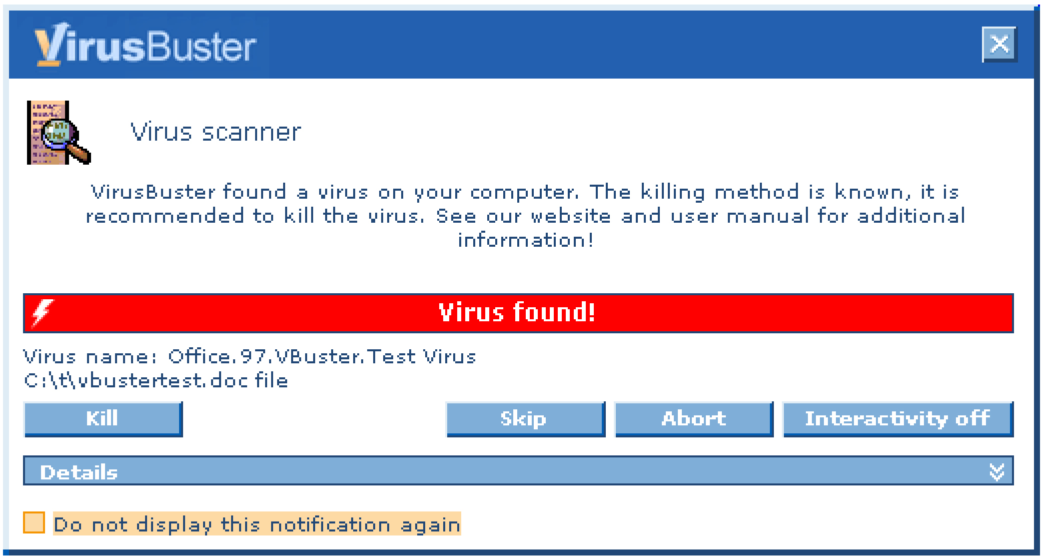
- *Infected - killable*
  The virus scanning engine has found an infected file, which can be disinfected.
- *Infected – non-killable*
  The virus scanning engine has found a virus in the file, but has no information in its database about the method of disinfection.
- *Suspicious*

The virus scanning engine has found a virus-suspicious file. The means, that the file contains code, or a code segment, which indicates the presence of a virus. You can read detailed information about this topic in the *Heuristics* section.

The virus found window can be displayed during the operation of the following modules:

- Scanning task, during a quick scan
- If the Shield is active (not interactive)
- MS Office protection
- MS Outlook protection
- Rescanning of quarantined files

Individual *Virus found settings* can be assigned to all of these modules and the method of disinfection can be set for the found viruses for each module separately.



VirusBuster found a virus on your computer. The killing method is known, it is recommended to kill the virus. See our website and user manual for additional information!

Virus found!

Virus name: Office.97.VBuster.Test Virus
C:\t\vbustertest.doc file

Virus found window

At the top of the window the icon and the name of the module is displayed, which has sent the message. This informs you, which module has found the virus. The red bar in the middle informs you about the type of the infection and above it, you will receive information about the method of disinfection and possible further activities. Below the red bar, the infected file's name and its path are displayed and next to it – if this information is available, the found virus's name can be found.

In the bottom of the interactive panel, there are buttons, with the help of which you can specify actions. The **|Skip|** (leaves the infected file in its current form), **|Cancel|** (stops the scan) buttons are always available and you switch to automatic operation with the **|No interaction|** button, which means that you will not receive further messages about incidents and action set in the current module's *Virus found settings* will be performed on the infected files. The suggested – default – action in case of killable viruses is kill, in case of a non-killable virus and heuristics it is move to quarantine. Different buttons may appear if different settings are specified in the module's *Virus found settings.* In this case the program offers both the selected and the default action.

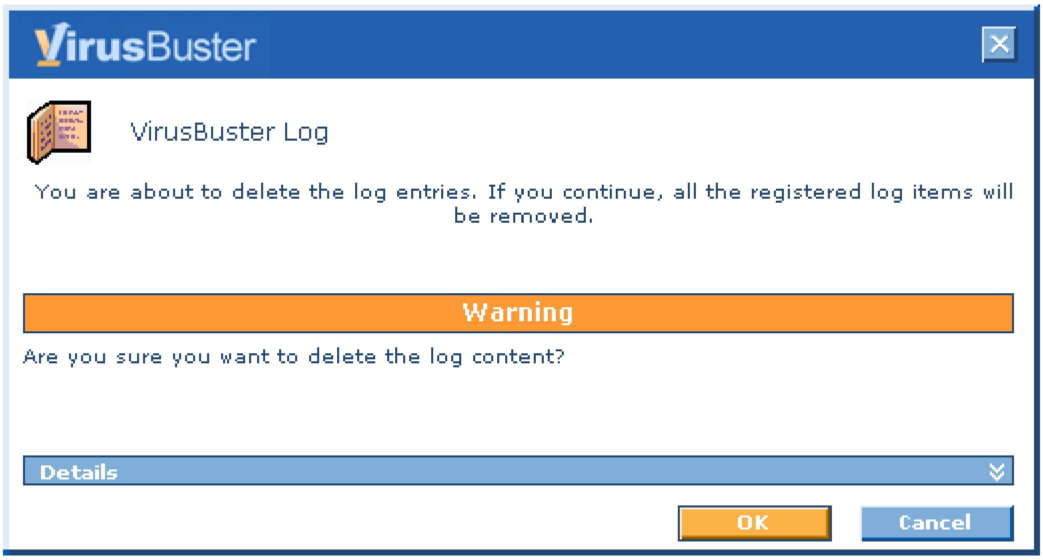
The program can only send a warning message about incidents, which are reported by the *Shield* module, infections will be handled as set in the module's *Virus found settings* section.

By clicking on the **|X|** button in the top right corner of the window, the *Skip* action will be performed on the current incident.

By enabling the *Do not display this warning again* option, the system will not notify you about found viruses of this type and the set actions will be performed on the same type of virus incidents.

Warning

These messages provide information about changes and effects or results of an operation which have been initiated by a user.



You are about to delete the log entries. If you continue, all the registered log items will be removed.

Warning

Are you sure you want to delete the log content?

Warning message

This window is similar to the virus found window. At the top of the window the icon and the name of the module is displayed, which has sent the message. The orange bar contains the message itself and you can read a detailed description in the details window, which can be viewed by clicking on the arrow on the right side of the *Details* bar.

The **|OK|** button is for confirming the message and the operation will be continued. If there is a **|Cancel|** button on the panel, you can delete the execution of the started task.

Frequently Asked Questions

General

- **I have a valid license for the obsolete version of VirusBuster. Could I use these data (user name, registration key) for VirusBuster 2005?**
  Yes.
  Your existing registration data are available for the VirusBuster 2005 products as well. The new, version 2005 product will be registered as long as the registration data are valid.

- **Are automatic virus database and program version update functions available in the product?**
  Yes.
  When you are installing the product, two default update tasks will be registered (if you don't disable them). The virus database update task will be performed every day, the program version update task will be performed weekly by default. Make sure that your network connection are available and your firewall does not block the network connect to the update (source) server/location establishing by the updater module.

- **Does the product protect against spywares and adwares?**
  In most cases, these programs are downloaded from legal web sites or installed together with legal products with user assistance. The VirusBuster recognizes those adwares/spawares which spread by non-legal way or cause more inconvenience to the user.
  These programs usually integrate into the Internet Explorer browser, their wrong removal may cause more trouble than their presence in the system. They are detected as non killable applications by the VirusBuster. To remove them usually users are recommended to uninstall these programs by the official 'Add/Remove Programs' service of the Windows.

- **Could I upgrade the old version product up to version 2005?**
  If you have an old version (not 2005) product installed on your system, you could NOT upgrade it by the built in update tasks. You have to download the version 2005 package then install it manually.
  The new version will uninstall your existed version during the installation process and keeps the registration data.

- **What is the difference between activation and registration?**
  Users having activation key (3x4 characters) can activate the product through e-mail or SMS. The registration key (3x5 characters) will be sent to the specified e-mail address or phone number by SMS after activating according to the way you start the activation.
  Users having registration key can registrate the product directly by entering the regitration key and user name.

- **I can’t modify the value of some settings… Why?**
  Probably there is an administrator password set for the product that restricts the modification of some settings. If you enter (or delete) the administrator password, the settings will be allowed to change again.
  Solution:
  Click on the Administration module found in the left side of the GUI and enter the valid password!

Installation

- **Installer stops and displays the following message e.g: "...msvcp60.dll not found...".**

If one or more redistributable system files are missing or damaged and you get similar error message please use the 'VirusBuster Redist Installer and Checker' package to recover needed files.
See the `readmeen.txt` file found in the installation package for more information.

- **What should I do when 'Incompatible version of the RPC stub. Setup will now terminate.' error message appears when the installation started?**
  If Office 2000 or an Office 2000 component is installed on your computer, obtain and install the Office 2000 Service Release 1a (SR-1a). For information about how to do so, please visit the following Microsoft Web site:
  http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=AF6C8D03-7633-45B4-AB96-795EE656F2A2
  If Office 2000 or an Office 2000 component is NOT installed on your computer, obtain and install the 'Mcrepair.exe' tool. To do so, please visit the following Microsoft Web site, save the 'Mcrepair.exe' file to the desktop and run 'Mcrepair.exe':
  http://download.microsoft.com/download/msninvestor/patch/1.0/win98/en-us/mcrepair.exe
  Restart your computer after you have installed 'Mcrepair.exe'.

- **I receive the following error message when installing:"Error 1607: Unable to install installShield Scripting Runtime".**
  This is due to a missing entry in the registry that is usually created when installing `ISScript.msi` in a previous installation of probably another product.
  To resolve the issue you need to register a file called `IDriver.exe`
  - Open Windows Explorer and navigate to the following location:
  `C:\Program Files\Common Files\InstallShield\Driver\7\Intel 32`
  - Go to the *Start menu* > *Run* command
  - Drag the file `IDriver.exe` to the run command window
  - Type the `/regserver` parameter after `IDriver.exe` and select **|OK|**.
  - Try to install the application again

Content filter

- **Which applications (clients) are totally compatible with Content filter?**
  You can use the Content filter service for several client application. The following applications are operating with the Content filter without any problem:

  Browsers:
  Internet Explorer 6.0
  Opera 7.54
  Mozilla FireFox 1.0
  Netscape 7.2

  FTP clients:
  Total Commander 6.0
  Far

  Mailing clients (POP3, IMAP, SMTP):
  Outlook
  Outlook Express
  Mozilla Thunderbird
  The Bat (except IMAP)
  Netscape
  Pegasus Mail

The above mentioned applications had been tested with the Content filter. Of course, you can use other applications as well with the Content filter but the correct operation is not guaranteed in case of using untested applications.

Content filter is also available for downloading managers if they use only one thread to download data!

- **What should I do, if the Content filter is not working when I am using Netscape?**
  If the *Quick launch* function is enabled in the browser (*Edit/Preferences/Advanced/'Enable quick launch'* is enabled), you have to exit Netscape after having installed VirusBuster and restart it, so that the Content filter can operate and scan the traffic of Netscape.
  Solution:
  To exit Netscape, please quit Netscape with the help of the quick launch icon in the system tray. After you have closed the Netscape window, click on the icon with the right mouse button and choose '*Exit Netscape*' in the menu.

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The limitations or exclusions of warranties and liability contained in this EULA do not affect or prejudice the statutory rights of a consumer, i.e., a person acquiring goods otherwise than in the course of a business.

11. General Provisions
The internal laws of Hungary shall govern this EULA. This EULA contains the complete agreement between the parties with respect to the subject matter hereof, and supersedes all prior or contemporaneous agreements or understandings, whether oral or written. All questions concerning this EULA shall be directed to VirusBuster Ltd.

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CONTACT

This manual provides comprehensive information on operational of our virus protection product. If you have any additional questions about it or would like to share your experience or proposals with us do not hesitate to contact us! Turn to us with confidence, your demands and remarks will be respected.

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