

User Guide

VirusBuster Central Management Solution 2006



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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 unsuspecting 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.

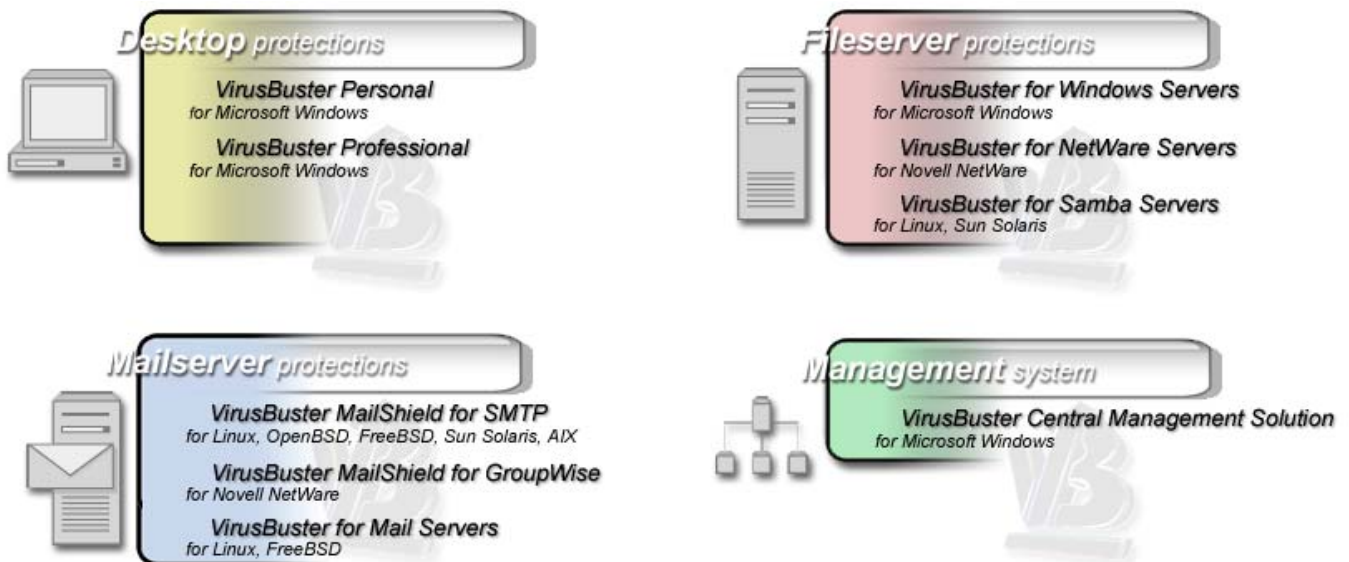
Users can defend themselves against viruses using reliable and up-to-date antivirus applications.



VIRUSBUSTER PRODUCTS

Product range

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



Desktop 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 file servers.

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.



VIRUSBUSTER CENTRAL MANAGEMENT SOLUTION 2006

VirusBuster Central Management Solution 2006 (CMS) 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.

With the help of automatic central installations, updates, configuration and license management servers' and workstations' protection can be controlled effectively saving a lot of time. You can receive comprehensive reports in e-mail and the status of the virus protection on the whole network can be overviewed in a second any time. The MMC-based user interface helps in overviewing and handling all settings and functions in a matter of minutes.

Main features:

- Management of the network's protection from a single computer
- Supports multi-level management systems
- MMC-based, clear and easy to use user interface
- Installation groups for easy installations and updates
- Central configuration and registration
- Automatic updates on the network from a single source
- Task-oriented operation
- Supports multi-language installations in the same network

Minimal system requirements

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

- Windows NT/2000/XP/2003 Server operating system
- Intel Pentium (or compatible) processor at 400 MHz
- 128 MB memory of RAM
- 50 MB of free hard disk space

- JET 4 database engine
- Internet Explorer 5
- Temporary hard disk space
 - parallel installation 2 MB per threads
 - in multilevel system, 5 MB per level + 2 KB per machines (all the machines in the system)
- VirusBuster Remote Admin Client in case of using Windows 9x client (it is part of the package)
- For Windows 9x clients: TCP/IP or NetBEUI network protocol
- For Windows 2000/NT/XP clients: any network protocol
- For Windows NT: MMC 1.2, version 6 of msvcp60.dll, msvcrt.dll and mfc42.dll, mfc42u.dll
(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 2006's latest version, which can scan the whole system for viruses in a fast and easy way.

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

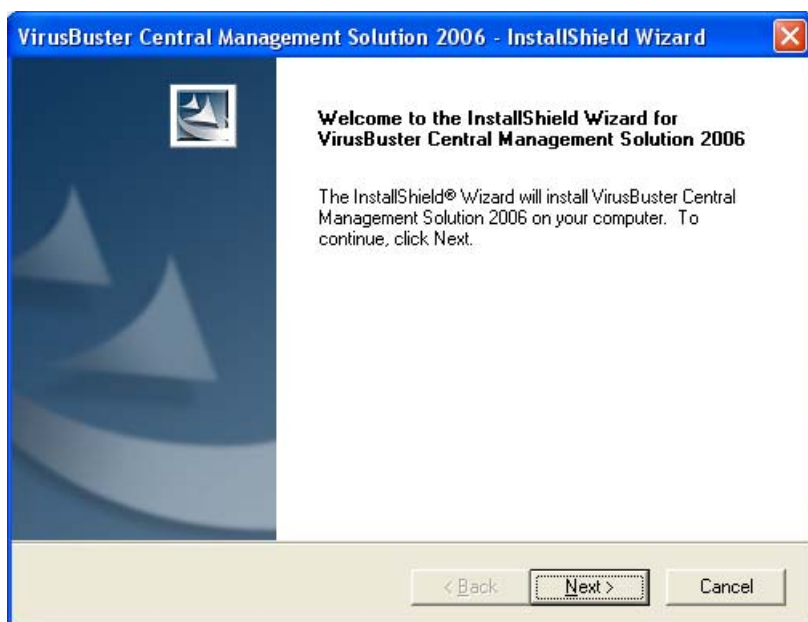
- Self-extracting compression ([wincms.exe](#)), which contains the whole product package. After having executed the above file, the installation package will be decompressed and the installation will be started.
- Uncompressed version, installation can be initiated by starting [setup.exe](#).

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

- Compressed: 'X':\vbuster\zips\wincms.exe
- Uncompressed: 'X':\vbuster\windows\cms\setup.exe

Normal installation

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

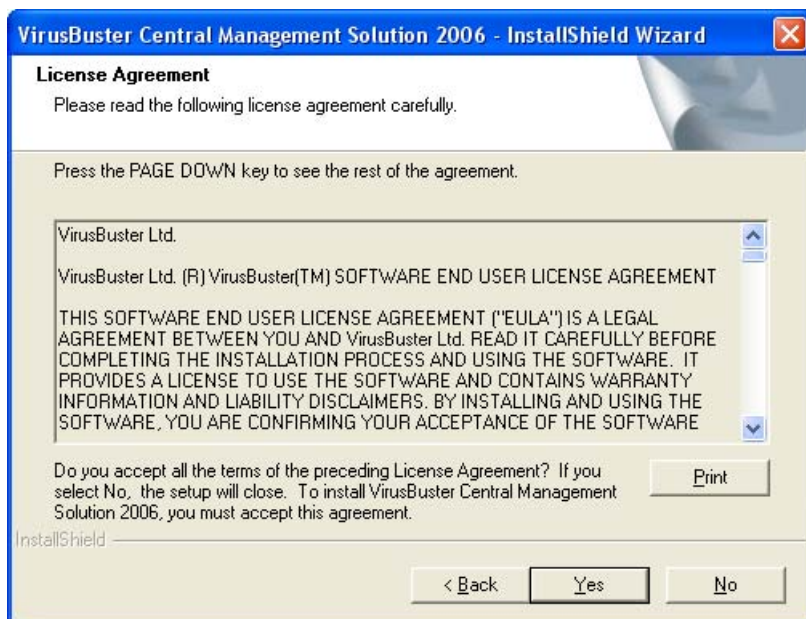


Welcome screen

You can move forward from the welcome screen by clicking on the **|Next >|** button. The end user license 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.



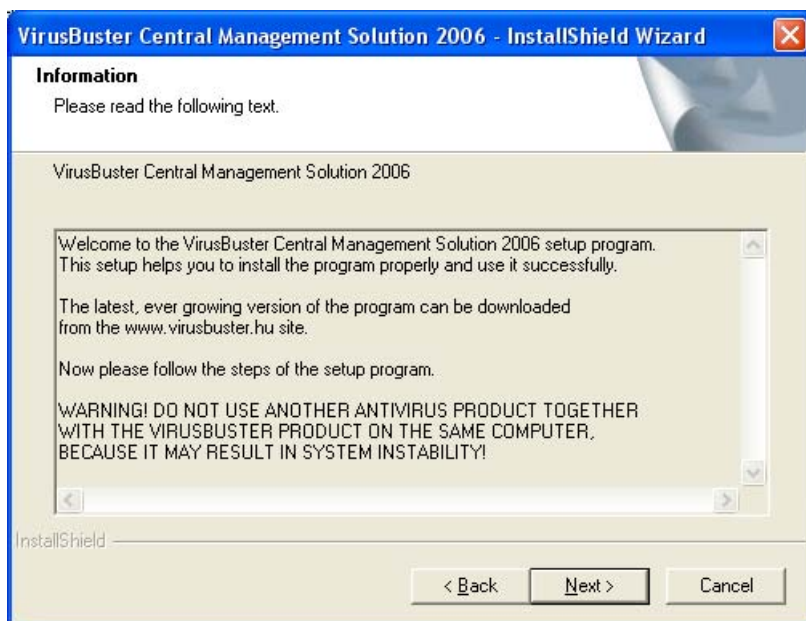
Displaying and accepting the license agreement:



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:

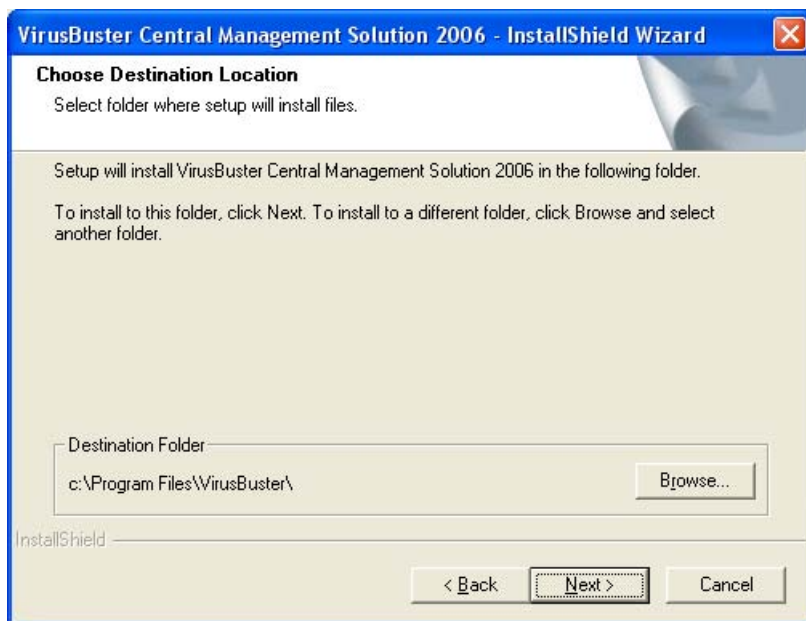


Information panel

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



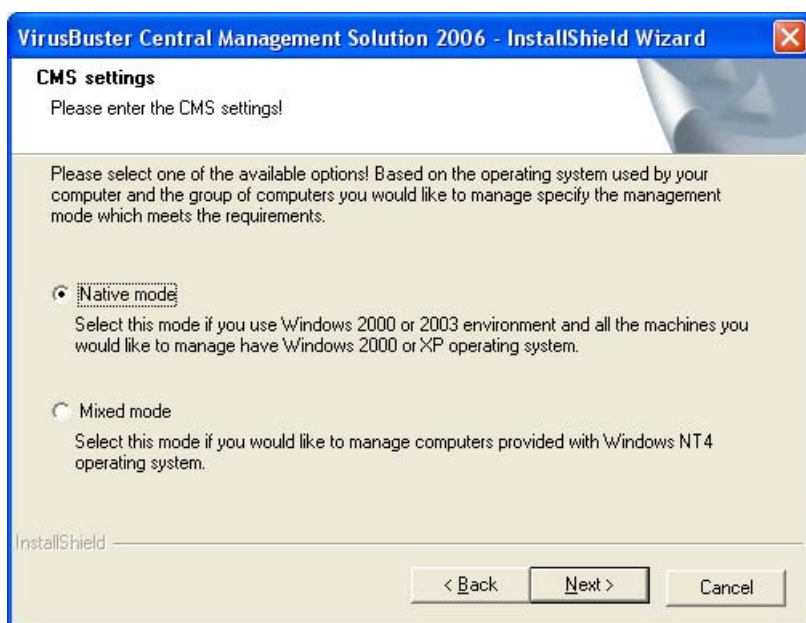
Choosing destination location:



Specifying 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 your computer and choose the needed path for installation. After having selected the installation path, you can move forward by clicking on the **[Next >]** button.

CMS settings:

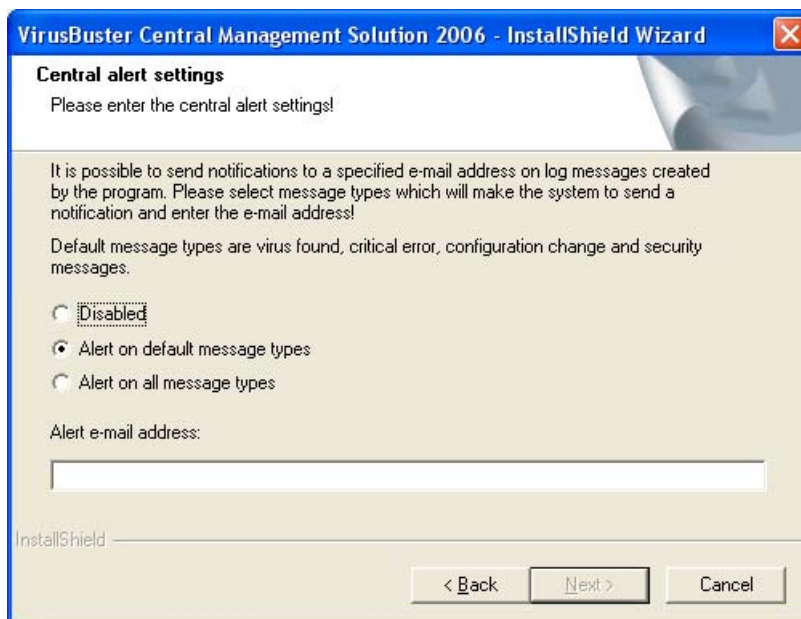


CMS settings

Please select one of the available options based on your and managed computer's operating system. After selecting click on the **[Next >]** button to step forward.



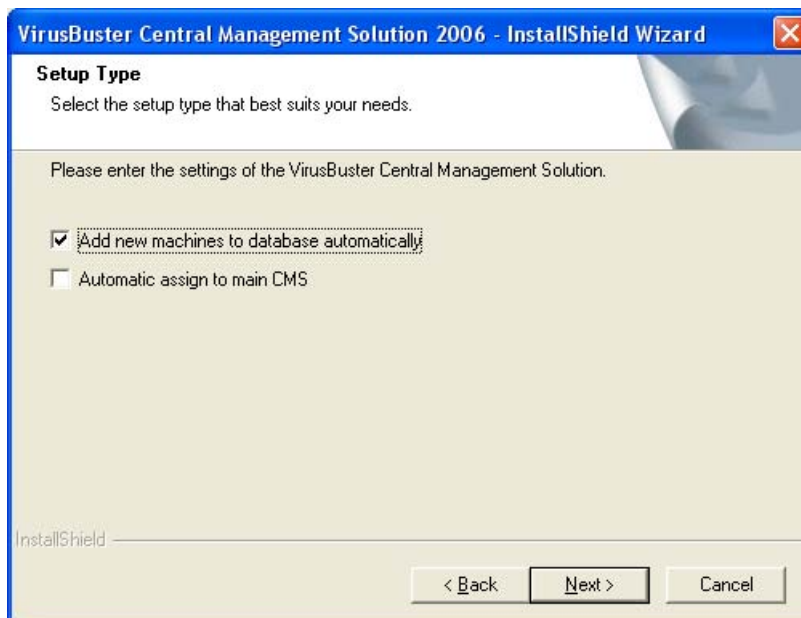
Using the Central alert function, it is possible to "control" the log messages created by the program.



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. For more information please read the [mmc_app_en.pdf](#) manual's *Central alert* section.

Setup type:

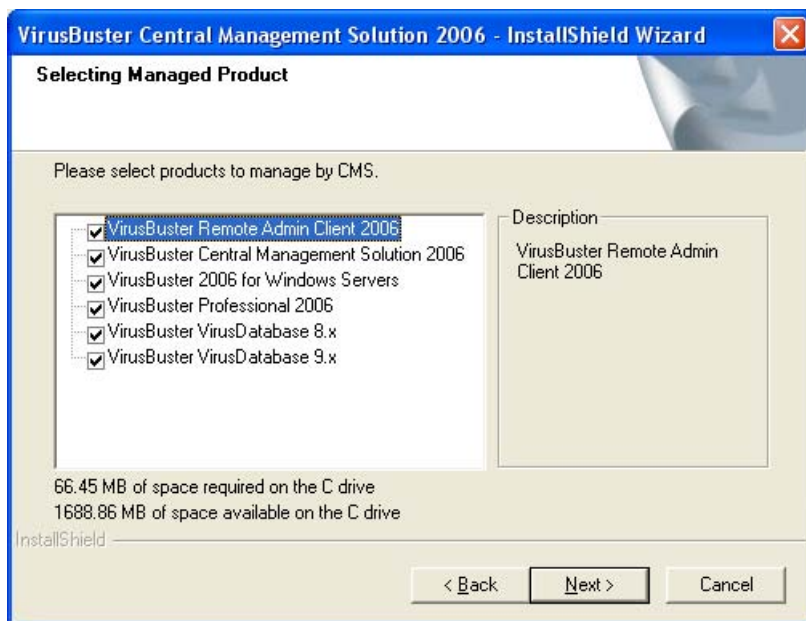


Setup type

Explanation of the options displayed on this panel is detailed in the 'VirusBuster MMC Application' user manual ([mmc_app_en.pdf](#)) in the *General settings/Machine management* phase of the chapter *CMS management modules*.



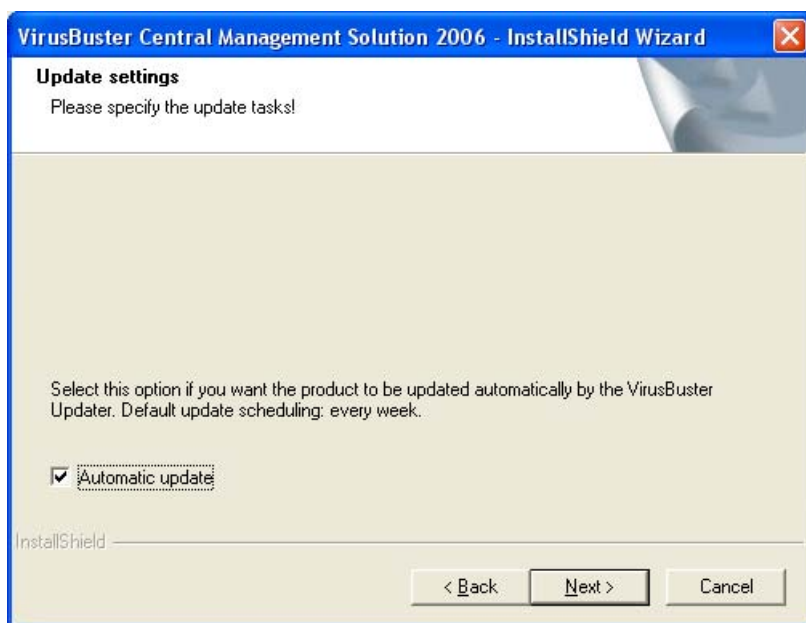
Selecting managed product:



Selecting managed products

Please select products to manage. CMS will only be able to manage the selected products. You can modify this setting later through the program interface.

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



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 task for the automatic update of 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 exiting this window.

Specifying the update source:

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:
/pub2006

Proxy user name and password:

InstallShield

< Back Next > Cancel

Update source settings

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.

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:
[Text input field]

Registration key:
[Text input field] [Text input field] [Text input field]

InstallShield

< Back Next > Cancel

Registration information

The software can be registered during the installation process by typing the user name and the



registration key in the appropriate 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.

Security data:

Security data
Enter the security data!

Please specify the security data needed for the program. The expected form of the user name is domain\user name.

User name:
[]

Password:
[]

Repeat password:
[]

InstallShield

< Back Next > Cancel

Permission data

Additional data:

Additional data
Please enter the additional data!

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

Add VirusBuster shortcut to Desktop

Please select from the available language for the product to be installed (this setting does not affect the language of the installer).

English

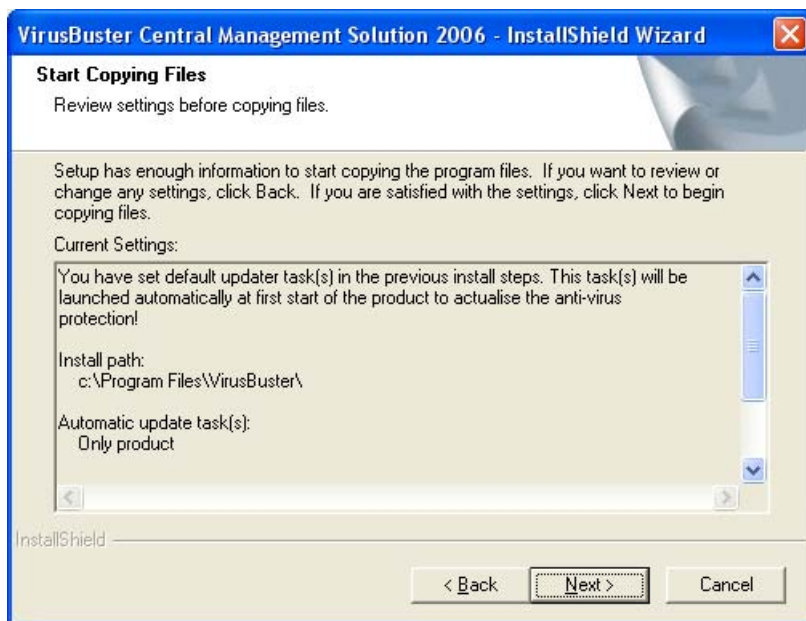
InstallShield

< Back Next > Cancel

Additional data



Starting the installation:

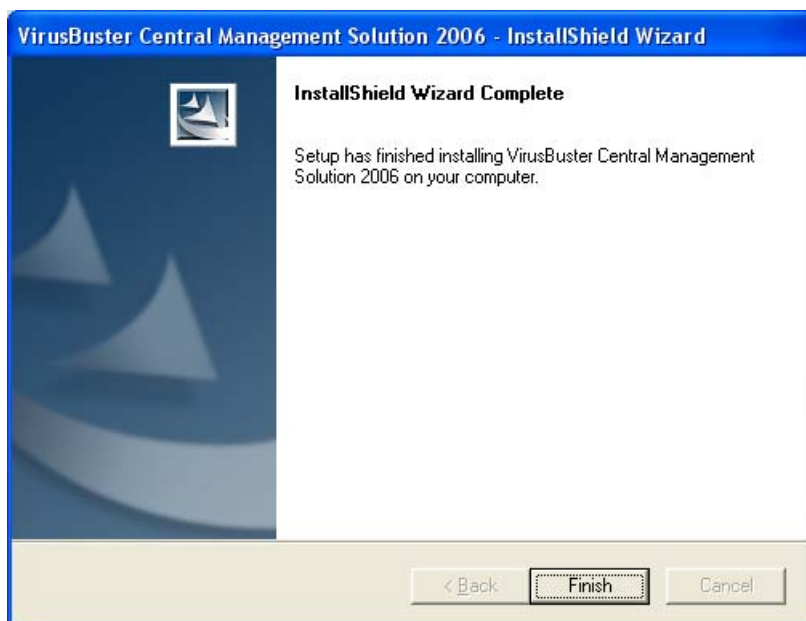


Starting the installation

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:



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 2006 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.



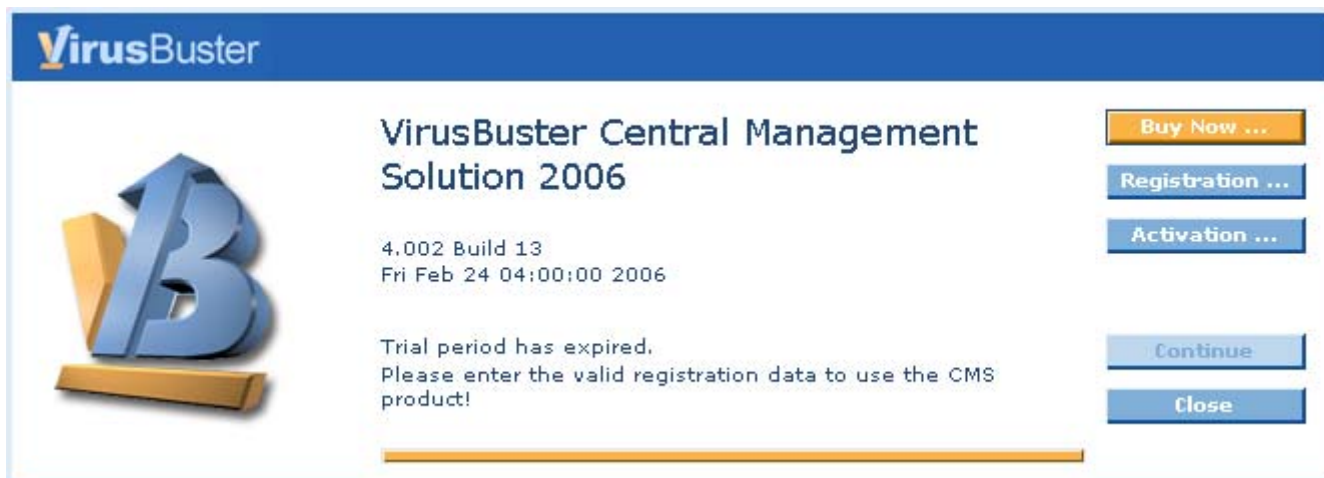
Pop-up window

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



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.

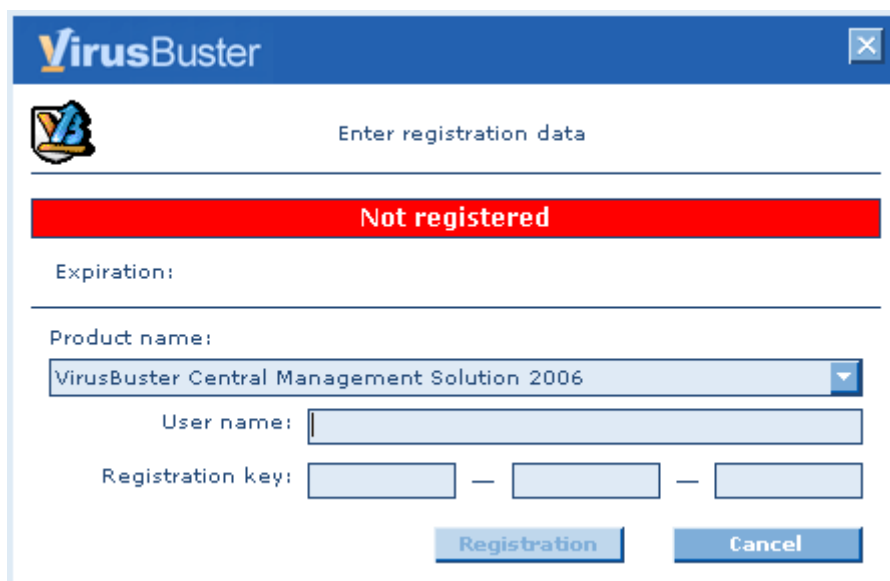
Buy

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.



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.



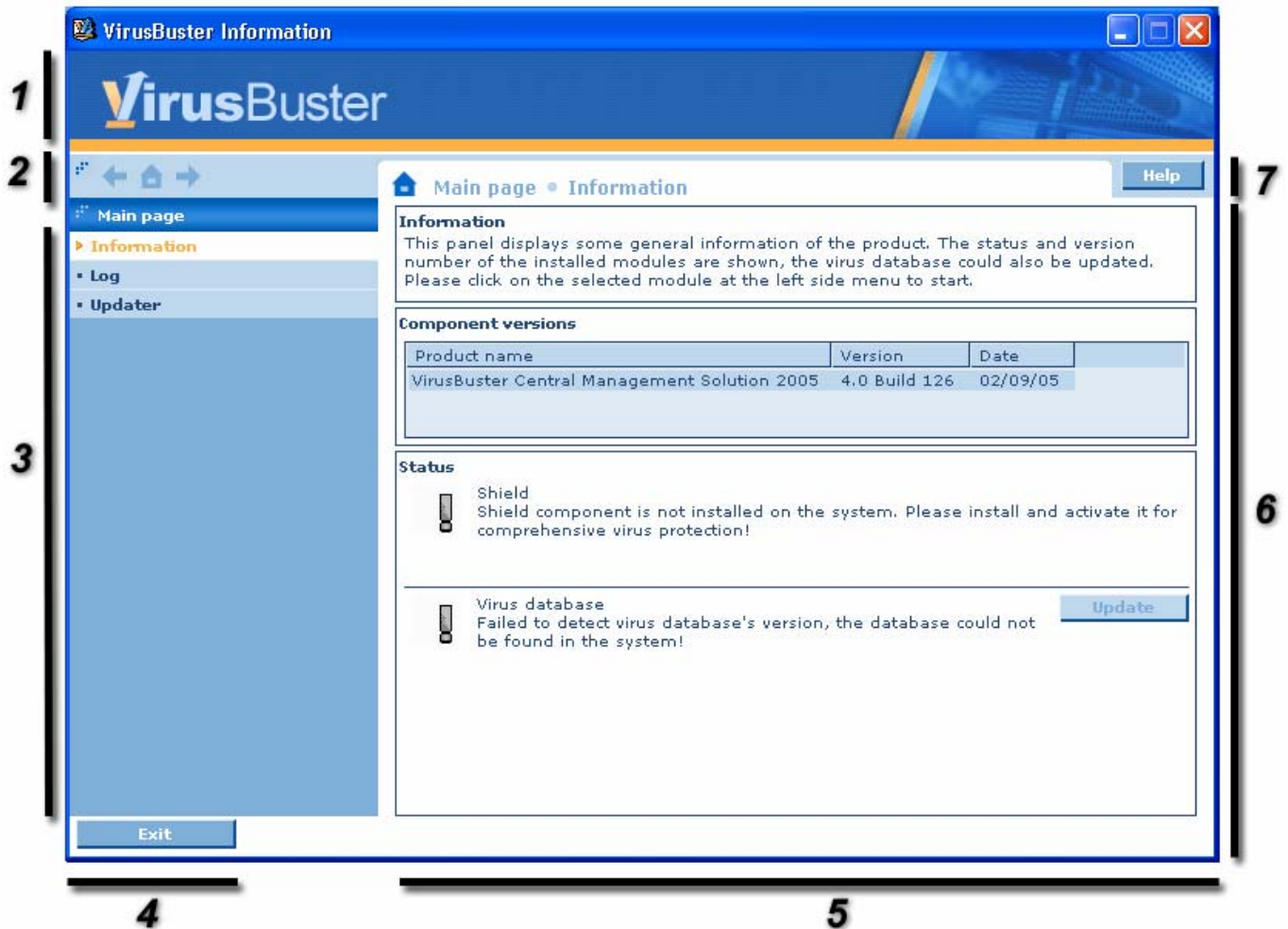
The service is stopped / In case of the virus database: The database is older than 7 days



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 menu 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.



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.
- 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

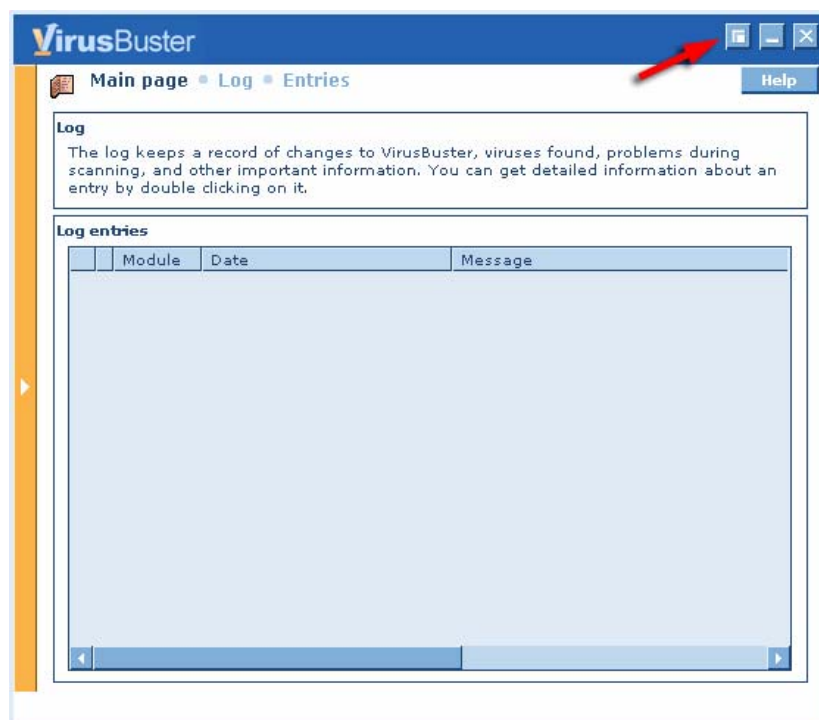
You can view help in connection with the active panel's settings.

Switch to compact user interface

If the product is run on an operating system having low screen resolution, some parts of the panels may be invisible for the users because there is no place to display the window as a whole. In such a case some menu items or options can not be entirely seen. If this happens, you are recommended to switch the VirusBuster to *Compact view* with the first control button found in the right upper corner of the user interface. To switch back to normal view, click on the same button again.

! Important!

If the screen resolution is 640X480 pixels, only this *Compact view* is available for the product. In such a case the switch button is not even shown.



Compact mode

In *Compact view* the left side menu disappears saving the place on the screen. Click on side bar that you can find instead of the regular menus on the left to select modules. It appears sliding in the setting panel. After selecting the required module, you can make it disappear by clicking on the same side bar button.



Structure of the virus protection

This documentation includes information about wizard-based user interface only, the description of the MMC user interface you can find in the 'VirusBuster MMC Applications' ([mmc_app_en.pdf](#)) user manual file.

Basic interface of the CMS product is the MMC user interface, all the options and settings could be reached through this interface. The wizard-based graphical interface provides only restricted access to the modules. Please, use the 'VirusBuster' shortcut on the Desktop (if it is available) to start the product or launch it from the *Start menu* selecting the 'VirusBuster 2006 MMC Console' shortcut.

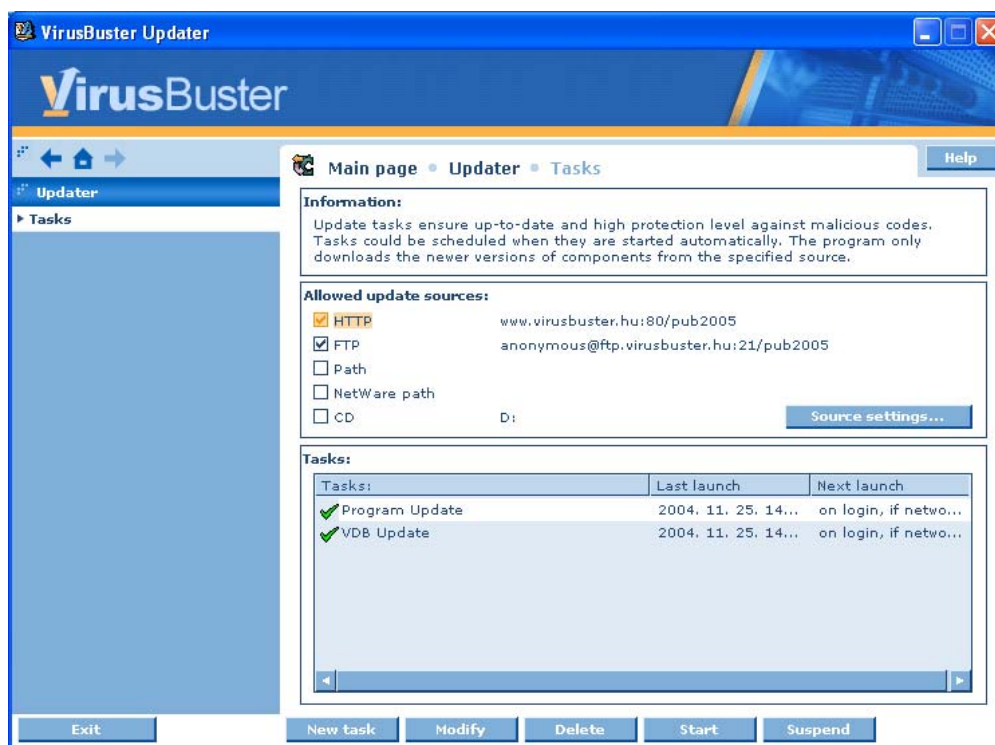


Software updates

Updating the software and the virus database is essential 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

! The product uses incremental virus database update mechanism to keep the virus database up-to-date. The advantage of this method is that the program doesn't need to download the whole virus database file every time (its size is several MBs) but usually only a small additional database package including the virus signatures processed and released recently. Using this mechanism, the download time is decreased to a minimal level so we can release additional virus database packages several times a day to improve the defence. Users can obtain protection against new malware without spending long time and generating considerable network load for the update. The protection is available almost immediately after the signatures of the newly discovered viruses have been processed in our virus lab.



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 it. 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. Keep in mind that each task will try to update via the assigned update source only.

! 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:
update.virusbuster.hu:80/pub2006
If the server needs Proxy authentication enter the Proxy user name and password into the available fields (in case of using default setting it doesn't need).
- **FTP**
Update through the FTP protocol. The FTP server's name, the port used by the server (default is 21) and 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 your own e-mail address in the password field. The default setting is:
[anonymous@update.virusbuster.hu:21/pub2006](ftp://anonymous@update.virusbuster.hu:21/pub2006)
- **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

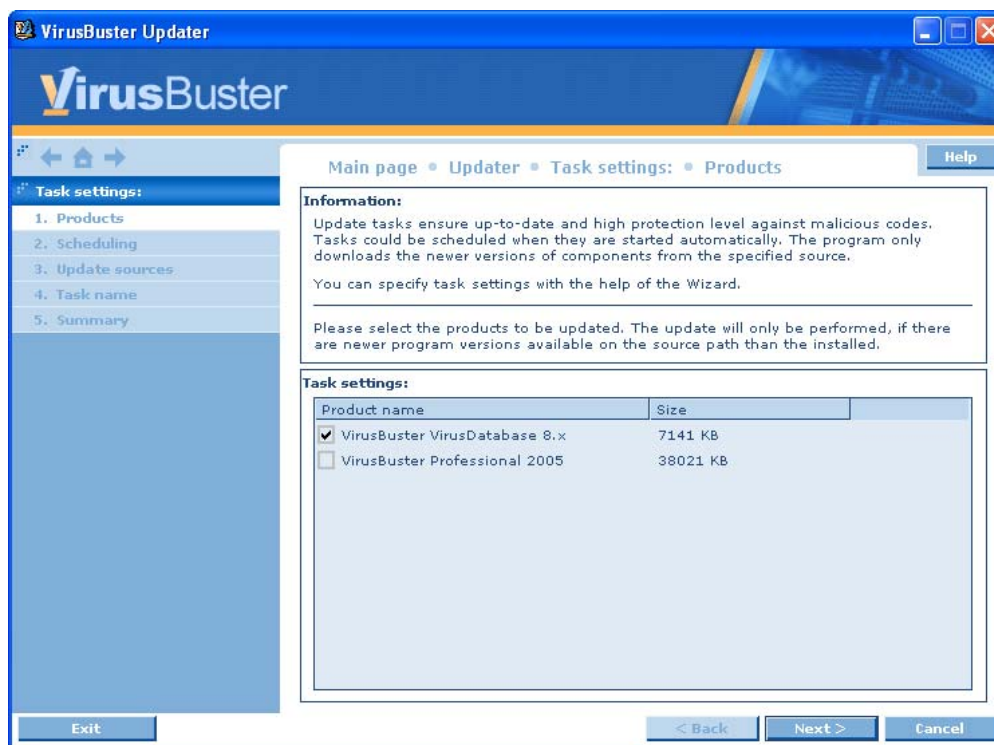
The settings for a new task can be added step by step, and the characteristics of the task can be modified during the steps.

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.



Updater – selecting products

Scheduling

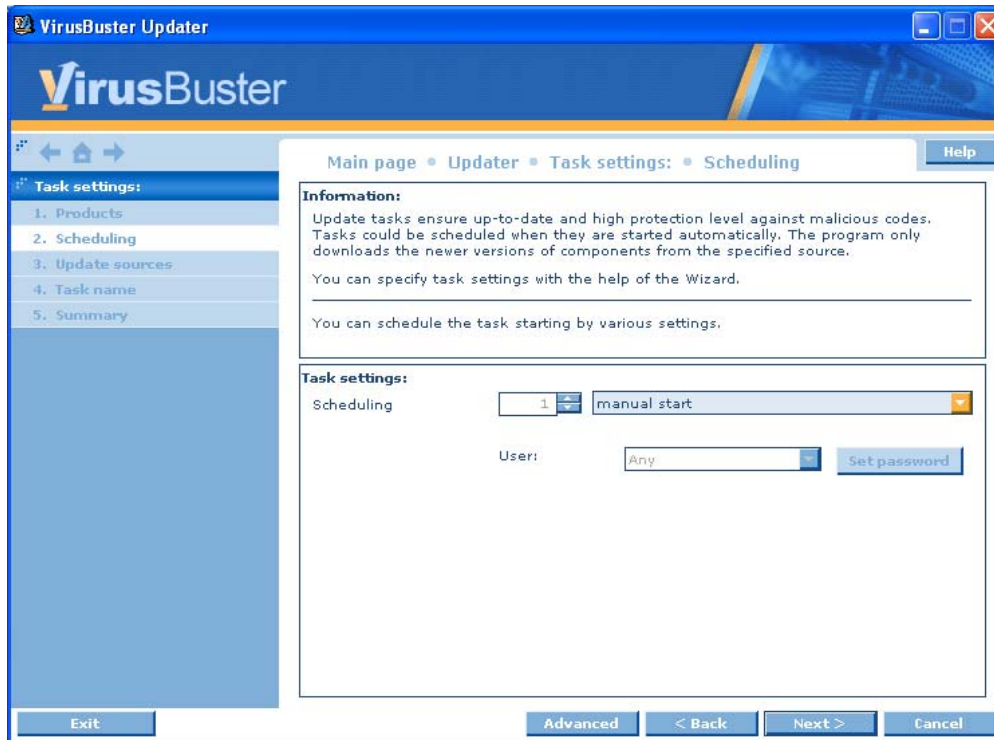
The starting of the update process can be scheduled on this panel by specifying the needed date or an event as a trigger.

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

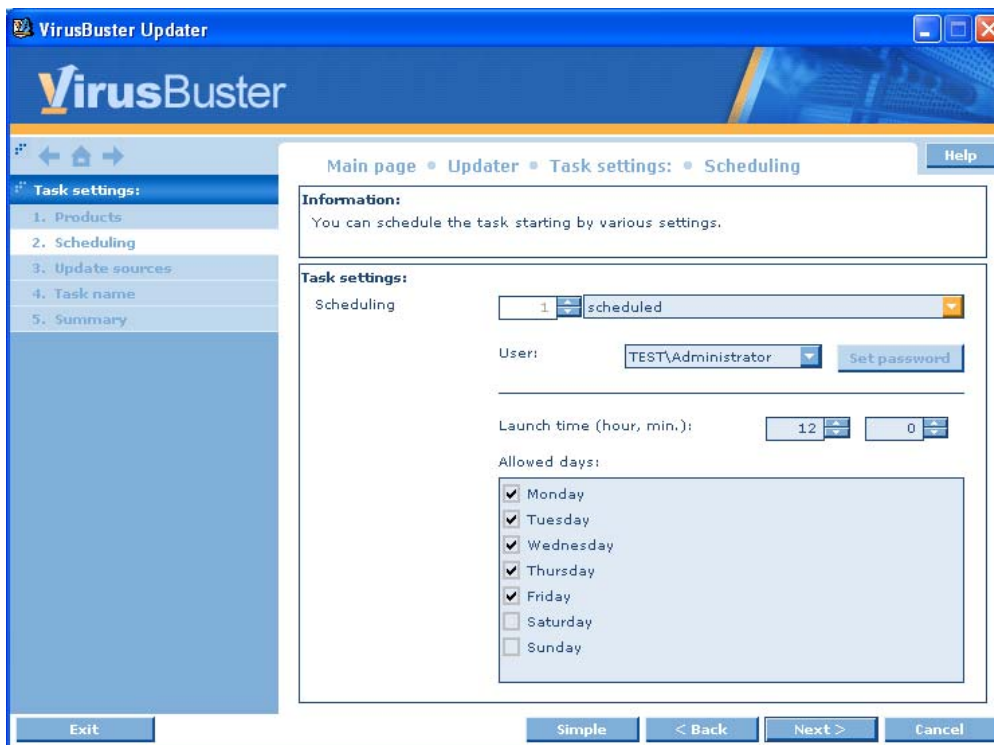
The following periods can be selected to schedule the starting of a task:

- 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.



Scanner - Scheduling

Advanced settings



Scheduling – advanced interface

The following settings are available on the detailed scheduling panel:

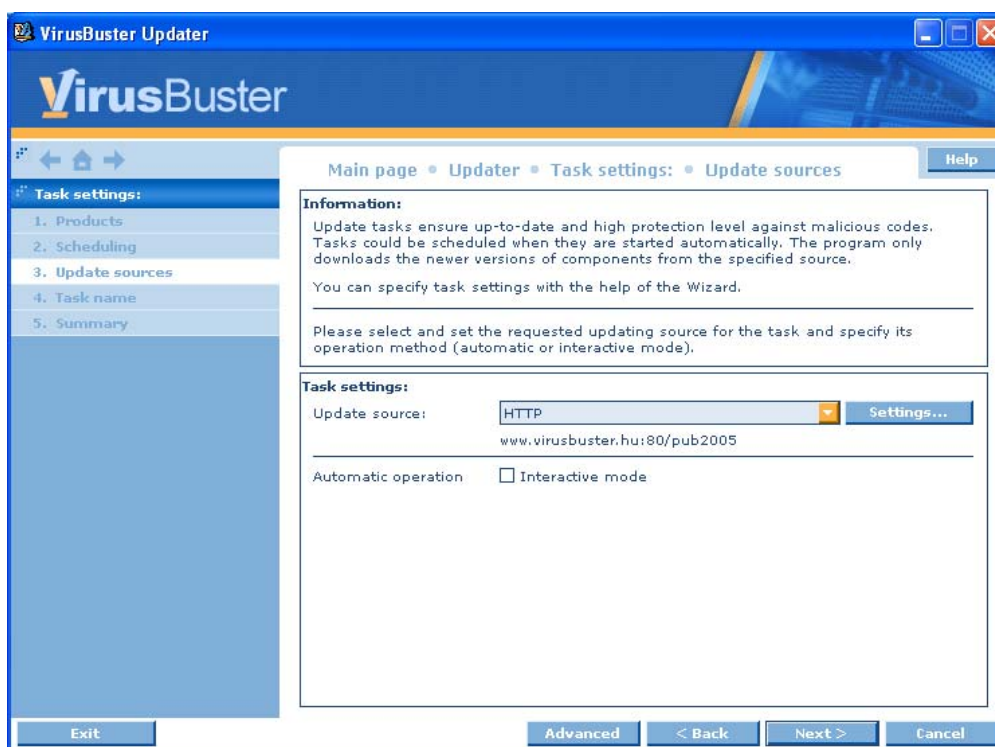
- day(s)/week(s)/hour(s)



- 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



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's* main 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 background 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.

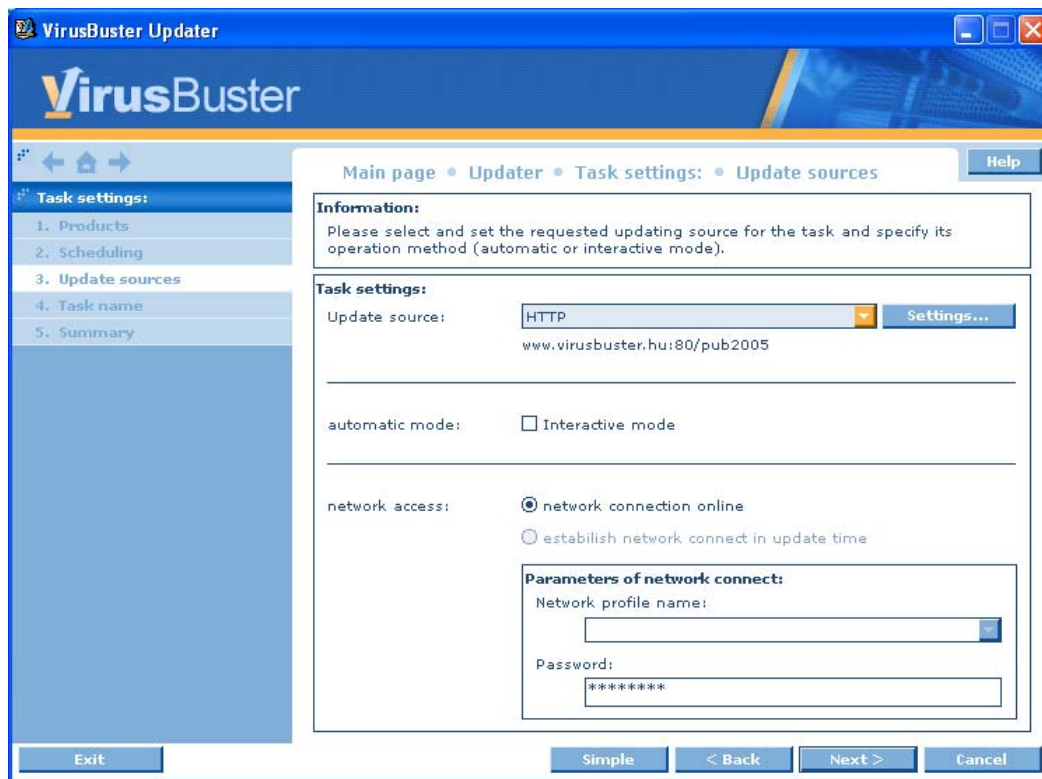
The *Computer restart disable* option controls the system restart. If you check in this setting, the computer will never be restarted after update process have been finished.

| 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



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.

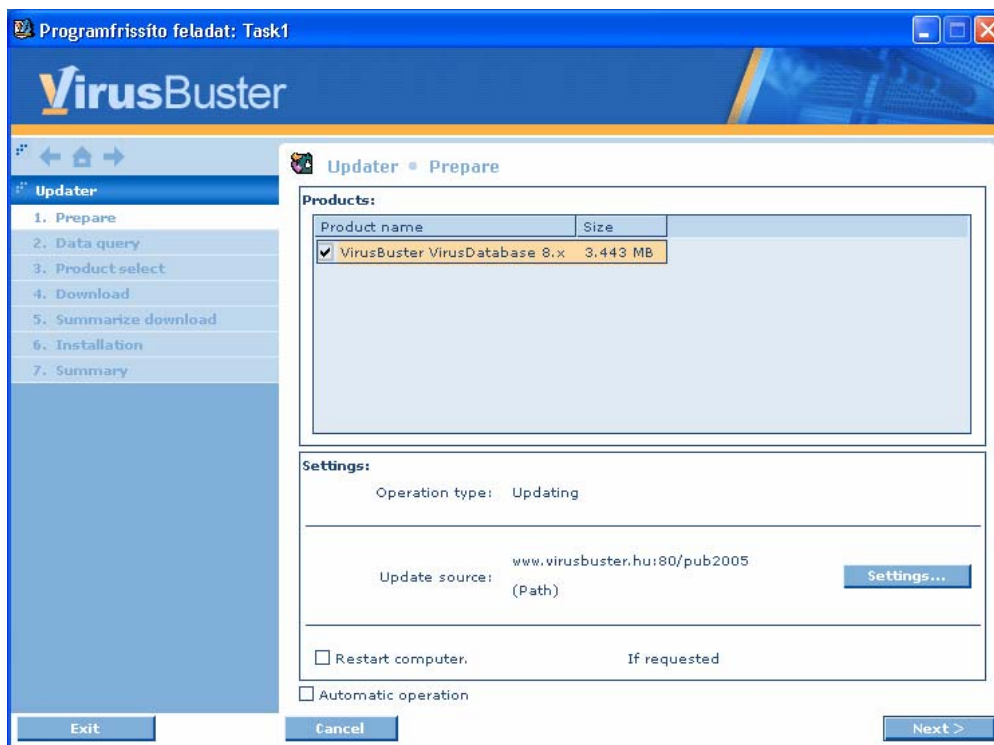
During interactive operation the update process can be followed and the results will be displayed on the Summary panel.

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!



Update process - information

The Updater will try to 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.

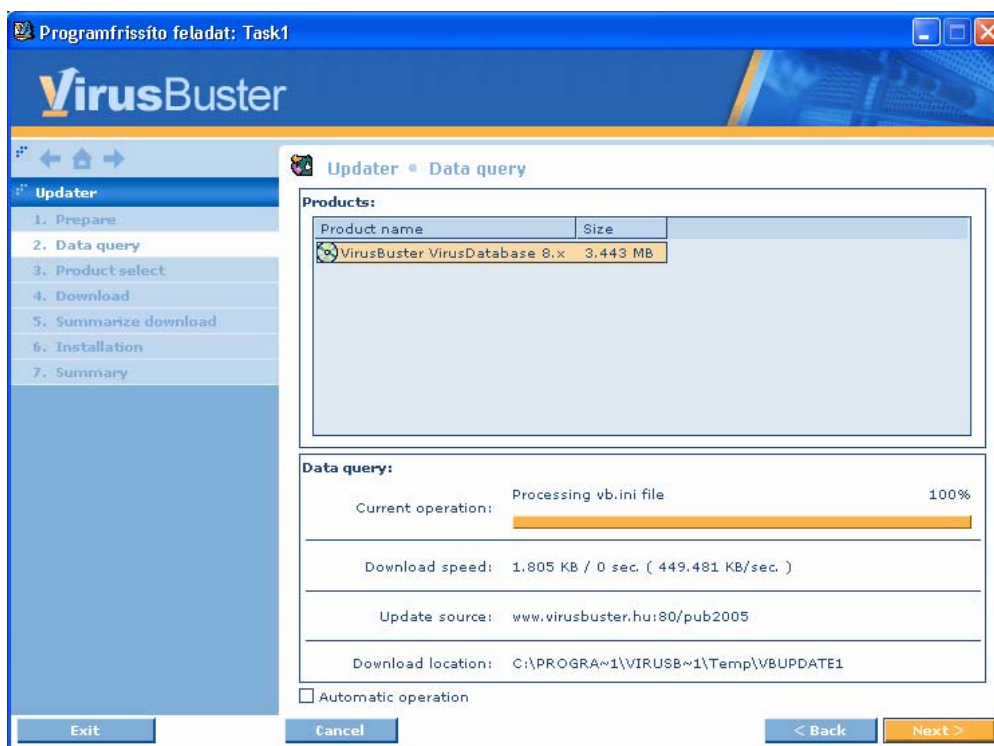
On the bottom of the panel, the most important program settings are displayed, the update source can be modified by clicking on the **|Settings ...|** button. The *setting* for each source can be modified in the window, which appears.

After the task has 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.



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.

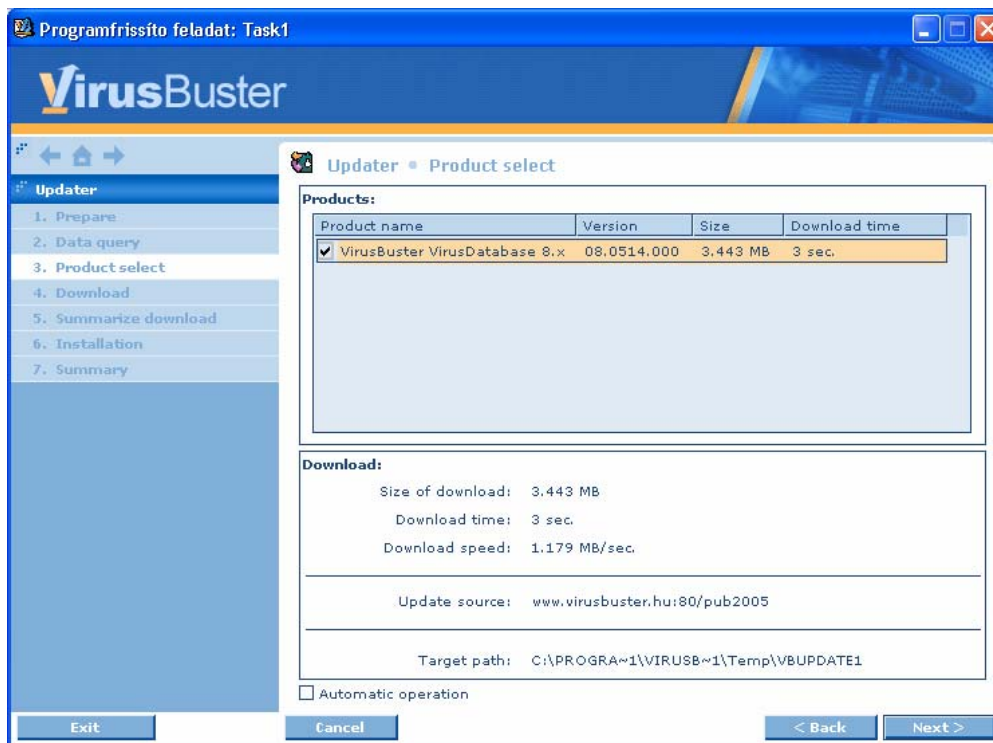
If a problem occurs, you can view detailed information about the problem's cause by clicking on the **|Next|** button to access the *Summary* panel. If the update process was performed without any problems, you can proceed by clicking on the **|Next|** button to the next panel, or step back by clicking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



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.

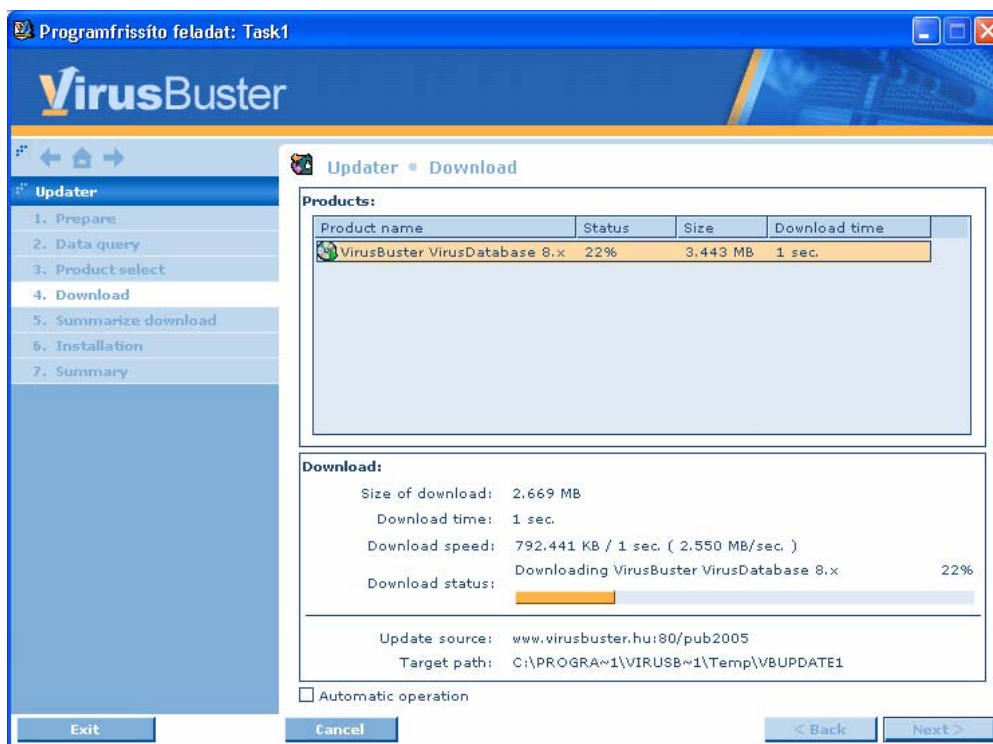
Automatic operation can be enabled by selecting it.

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.



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.

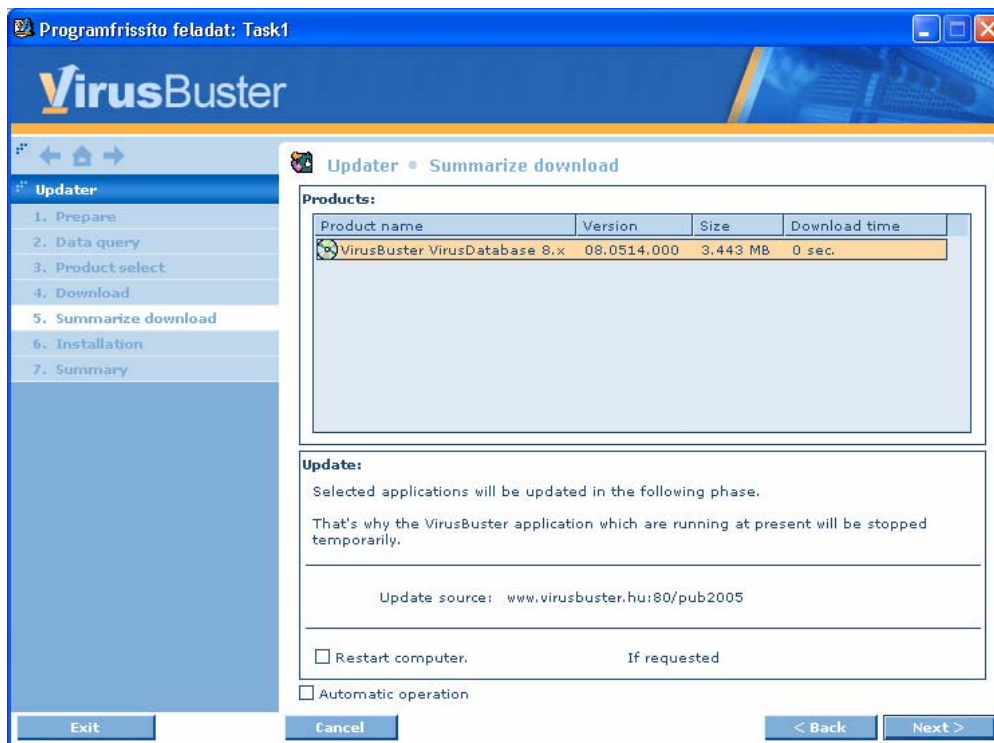
If the download was performed without any problems, you can proceed to the next panel with the **|Next|** button.

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.

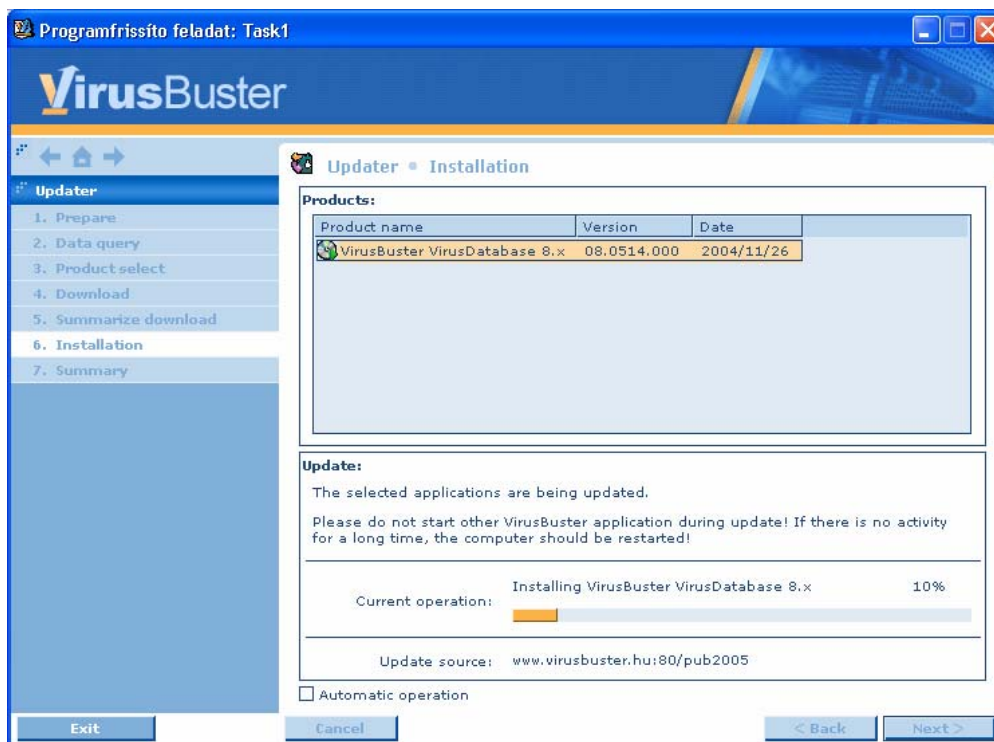
Below the update source, the status of the computer restart is displayed and you can also switch to automatic operation by enabling it.



Update process – Download summary

Installation

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



Update process - Installation

The little CD icon in front of the products indicates the status of the update as detailed above, and teh



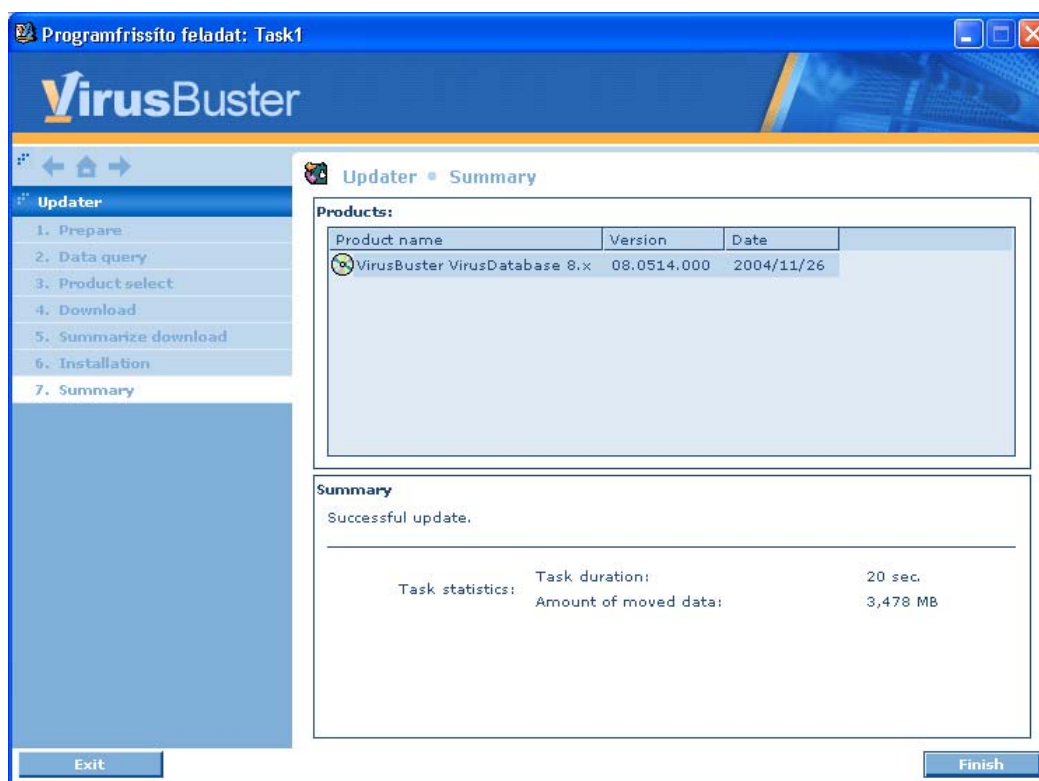
status bar indicates the update's current status on the bottom of the panel.

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.



Update process – Summary, successful update

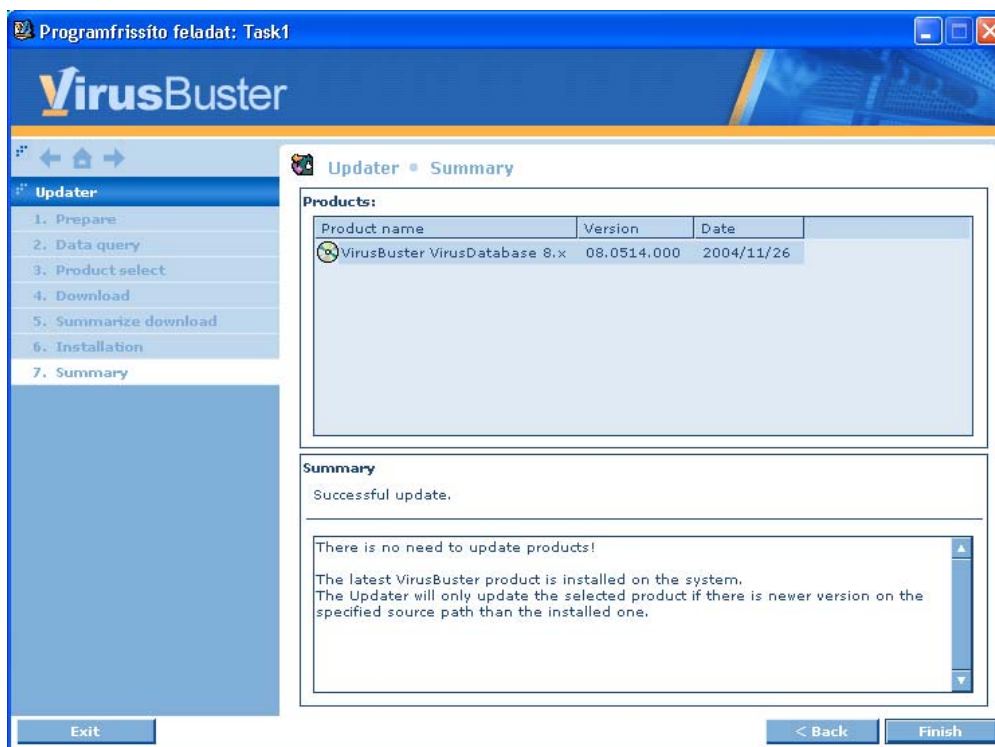
Successful update

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.



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 this option is unavailable (you are not able to select it), please set the mailer settings. Correct mailer settings are essential to send messages.

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.

Quick database update

Clicking on the **[Update]** button on the main page of the graphical user interface (*Information* menu) you can initiate a so-called "quick" database update (if this function is available). In such a case the program selects an update source from the active update sources and tries to download and update the database from that source. The different update sources are classified by their availability and always the active one being on the highest level is selected to database download.

Level of the update sources (from highest to lowest):

- Path
- NetWare path
- CD
- HTTP
- FTP



Log component

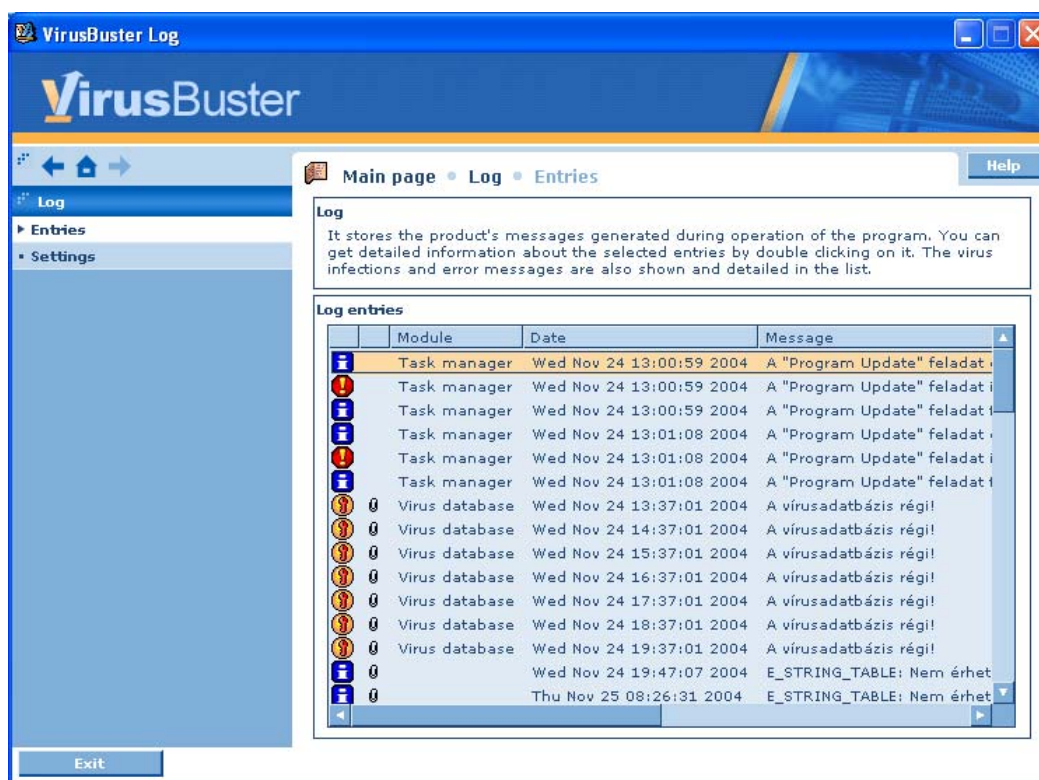
Its main task is to store the messages generated by the various parts (modules) of the software and to forward these to the user if needed.

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 - 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.

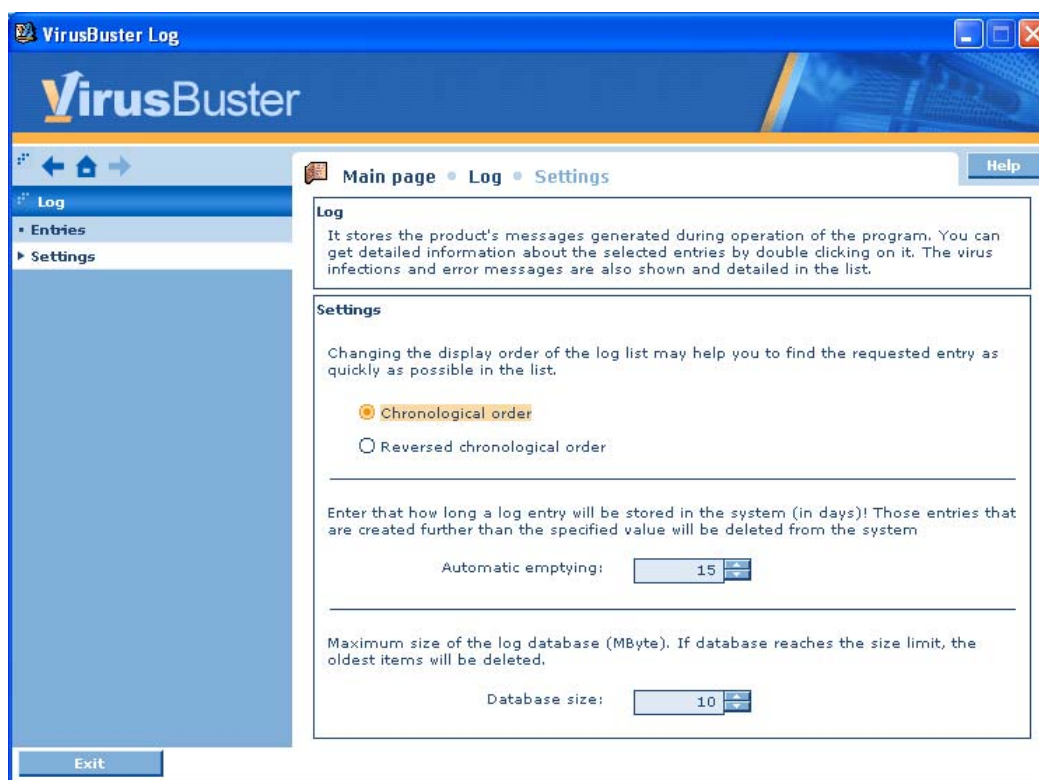
By clicking in the list panel with the right mouse button, a pop-up menu will appear, where it is possible to switch the various fields of messages on or off, or to perform the following actions:

- *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 - 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.



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.

VirusBuster

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\vb183.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!

OK Cancel Mailer settings ...

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'. Tokens can also be used in this field:
%m% - computer name



%u% - user name

- *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.



Frequently Asked Questions

General

- **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 register the product directly by entering the registration key and user name.
- **I have a valid license for the obsolete version of VirusBuster. Could I use these data (user name, registration key) for VirusBuster 2006?**
Yes.
Your existing registration data are available for the VirusBuster 2006 products as well. The new, version 2006 product will be registered as long as the registration data are valid.
- **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.

Installation/Update

- **VirusBuster doesn't update via ISA server. Neither the program nor the virus database update tasks operate. What should I do?**
You have to install the ISA Firewall Client application on computers running VirusBuster. The Firewall Client is able to establish authenticated connection to the ISA server so the updater tasks will be able to download the files through the ISA server. For more information please visit the www.isaserver.org website.
- **I have WinXP SP2 system, the built in firewall is enabled. Neither the program nor the virus database update tasks operate. Displayed error code in the log: 183. What should I do?**
This could be observed not only in case of the built in firewall of the Windows but with other firewalls (e.g. Kerio, ZoneAlarm, Outpost, ...), too.
Solution:
If the updater tasks are started, the firewall will request the connection. In this case you have to select the "Unblock" option (WinXP SP2) or allow the connection (other firewalls).
- **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'.

- **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.

- **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.

- **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.

Solution:

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

- **I have got the following error codes... What should I do?**

The *user name/password* settings which will be mentioned below are found in the following settings of the user interface:

MMC user interface:

(1) *VirusBuster Console > Common > General settings > Security context for network connections* as default user.

(2) User setting can be specified for update tasks and install copier tasks, too. Select the *Scheduling* property of the selected update- or copier task and find the *Custom* settings on the *Security* panel. The default- and created update- or install copier tasks use the value of the default user by default specified in the first (1) point.

Wizard based user interface:

User name/password settings for an *Updater* task is available on the *Scheduling* panel.

Error code: 3

Please check if the specified paths (update, copier) are corrects. Check if they are concrete and valid.

Error code: 5 or 65

Please check if the specified user (set by the *user name/password* settings) has the appropriate rights concerning the examined file or directory (it has to have at least read right).

Error code 65: the same error on network

Error code: 1326



The specified user (set by the *user name/password* settings) is invalid or not exist. Please check the specified data – delete them and enter again.

Operation

- **Why I can't insert a new item to the list of the software to be uninstalled?**

You can find the "Uninstall" component under the "Central Management Server" branch in the CMS MMC console. First, you have to import the machine you want the CMS to uninstall a selected application from.

You will not be able to import the machine if one of the following cases exists:

1. *The machine is not on-line or the CMS can't identify it (it is not shown in the machine list of the "Network" module).*

- Check if the machine is switched on and the user logged-in to the domain or workgroup on the machine.

- Execute the "Search for new machines" task from the CMS MMC console: "Network" > "<managed network name>" (right click on the <managed network name> item).

2. *Windows 9x operating system is running on the machine.*

- You can't select application to uninstall from machines running Windows 95/98/ME operating system.

3. *You don't have privilege to request the list of installed programs from the remote machine.*

- You can only get the list of the installed products, if you login the machine (on which the CMS is running) with the user account who has system administrator privileges on the remote machine as well (s/he must be domain system administrator or system administrator on the local machine /in case of workgroup/).

- **When does the CMS install (apply) the changed template settings?**

Two kind of templates can be found in the CMS, so there are two ways to apply the template changes:

Install template

This template includes the VirusBuster products (VirusBuster Professional 2006, VirusBuster 2006 for Windows Servers, virus database, etc.) and their components (Updater, Scanner, Content filter, etc.) that have to be installed in a given group.

If you change this template's settings, the CMS will install the modified template when the task that checks the version information on the clients has finished. The task is automatically run every 30 minute. You can start this task manually as well: click on a machine with the right mouse button (in a given group) and select the "Check managed products" item from the local menu. This task doesn't depend on a machine, so it affects all the machines globally, but the template changes will only be applied to the selected group.

Configuration template

In this template, you can set additional settings to customize the products selected in the Install template. It includes all the parameters that are available in the selected product as well. To apply the changes you should click on the given group with the right mouse button and select the "Apply configuration now" item. In such a case, the installation of the changed configuration will be started (with the help of an automatic task running in the background every minute) for the machines assigned to the given group.

- **I have got the following error message: "The user set in the security settings of VirusBuster CMS has not administrator permission for the client machine. Access denied."**

If this message is displayed in the CMS log, the CMS presumably doesn't install product on the clients.

Do the following action on SERVER computer:

Check Policy settings on the server running CMS.

In case of using Win2003:



1. *Start > Run > gpedit.msc |OK|*
2. *Computer Configuration > Windows Settings > Security Settings > Local Policies > Security Options >*
change the value of "*Network access: Let everyone permissions apply to anonymous users*" setting to "*Enabled*",
change the value of "*Network access: Restrict anonymous access to named pipe and shares*" setting to "*Disabled*".

Do the following action on CLIENT computers:

In case of using WinXP SP2, you have to change the following settings:

1. *Start > Run > gpedit.msc |OK|*
2. *Computer Configuration > Windows Settings > Security Settings > Local Policies > Security Options >*
change the value of "*Network access: Sharing and security model for local accounts*" setting to "*Classic - local...*".

Addition:

If CMS is used in Workgroup installed on a WinXP SP2 you have to modify the Policy setting on the computer running CMS and on each computer managed by the CMS the same way described above ("*Network access: Sharing and security model for local accounts*").

- **CMS is not able to manage computers running WinXP SP2 system. Displayed error code in the log: 1722.**
The built in firewall is enabled by default on the WinXP SP2 system so it denies the connection of the CMS, too. To solve this problem, the only thing you have to do to allow the file and printer sharing in the "Exceptions" of the firewall settings.
- **I have got the following error codes while using the CMS... What should I do?**
The *user name/password* settings which will be mentioned below are found in the following settings of the user interface:
(1) *VirusBuster Console > Common > General settings > Security context for network connections* as default user.
(2) User setting can be specified for update tasks and install copier tasks, too. Select the *Scheduling* property of the selected update- or copier task and find the *Custom* settings on the *Security* panel. The default- and created update- or install copier tasks use the value of the default user by default specified in the first (1) point.

Error code: 1069

This time you have to set *Log on as a service* right on the client machines for the user logged in the system running CMS. You can set this setting by group policy so you don't have to set the managed machines one by one.

Log on as a service setting by group policy:

On server computer:

Important! You should check other restrictions on Ou (Organization Unit) level that may affect the domain level policy settings (level of the policy settings: *Local > Site > Domain > OrganizationUnit*).

Open the *Active Directory Users and Groups* which usually found on the following path: *Start > Programs > Administrative Tools > Active Directory Users and Groups*
Select the *Domain* panel then *Properties > Group Policy*
Continue from the line marked with (*).

Important! *Active Directory Users and Computers* (ADUC) support is only available on domain controllers (DC). If you would like to use it from a workstation/member server, please install it from following path:



\\<DC_netbios_name>\admin\$\system32\adminpak.msi

You must be domain administrator in the system!

On client computer:

Start > Run – Enter the `gpedit.msc` command and run.

(*)

Select the *Computer configuration* setting from the appearing window then go through the following path:

Windows settings > Security settings > Local Policies > User Right Assignment

Select the *Log on as a service* item from the right side list then double click on it (or right click > select *Properties* from the local menu). Add the desired user account by clicking on the **Add user or group...** button.

You should modify the first item of the list because always the first policy settings will be considered.

Error code: 1722, 1726 or 1753

RPC errors. You have to install the 'VirusBuster Remote Admin Client' application on the client computers running Windows 9x/Me operating system then restart them. Make sure if the File- and printer sharing service is installed on the systems!

Error code: 1722

In case of WinXP SP2 client try to allow the file and printer sharing in the "Exceptions" of the built in firewall settings.

- **Why CMS managed computers restart without warning despite of this option is selected?**
Warning message is shown before restart if the *Warning windows before system restart* function is selected in the install-template to let the user stop the restart procedure. This setting works only if the *Progress-window during installation* is allowed as well.
The installation procedure will be performed without displaying dialogues if the *Warning windows before system restart* function is set only. In this case no user interaction is possible to stop the restart procedure, because there is no dialogue appears. In order to avoid any inconveniences the *Progress-window during installation* must be set besides the *Warning windows before system restart* in the install template, so the install procedure can be tracked and the automatic restart can be stopped.



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CONTACT

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