



IKARUS anti.virus Manual



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IKARUS Security Software GmbH | Blechturmgasse 11 | A-1050 Vienna/Austria | Phone: +43 1 589 95-0 | Fax: +43 1 589 95-100 | office@ikarus.at www.ikarussecurity.com | Erste Bank Österreich | BIC: GIBAATWWXXX | IBAN: AT14 2011 1821 2208 2100 | Commercial Register Number: FN 64708i Place of jurisdiction: Vienna | VAT ID: ATU15191405



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Introduction

Thank you for choosing IKARUS anti.virus from IKARUS Security Software.

IKARUS anti.virus secures your personal data and PC from all kinds of malware. Additionally, the Anti-SPAM module protects you from SPAM and malware from e-mails. Prevent intrusion and protect yourself against cyber-criminals by choosing IKARUS anti.virus, powered by the award-winning IKARUS scan.engine. It is among the best in the world, detecting new and existing threats every day.

Simple installation, an intuitive user interface and frequent incremental updates of the virus database are just some of the many benefits.

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Installing IKARUS anti.virus

Here you get the information on how to install and use the IKARUS anti.virus. Each setup step is documented by the fitting screenshot.

2.1 System requirements

For IKARUS anti.virus to run properly, your system must meet the following minimum requirements:

Hardware:

- Processor from 2 GHz (Intel/AMD)
- 2 GB RAM
- Min. 500 MB free storage space
- Display resolution min. 1024 x 575

Operating Systems:

- Windows 7 and higher (32/64 Bit)
- Windows Server 2008 R2 and higher (32/64 Bit)
- Windows Embedded Versions (depending on the configuration)
- Microsoft Outlook 2007 and higher

NOTE: Before installing IKARUS anti.virus, please uninstall other antivirus programs on your computer and then reboot it.

Close all other programs before installing IKARUS anti.virus.

A quick system scan is performed once IKARUS anti.virus have been installed. This will take about 10 minutes.

Please do not cancel the system check after installing the software. This is done for the security of your computer.

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2.2 Installing IKARUS anti.virus

We recommend closing all other programs before installing IKARUS anti.virus. Double-click the "Setup-IKARUS antivirus.exe" file to start the program. Here are screenshots for the individual installation steps:

	IKARUS anti.virus Launcher	×	
	Please select a language: English OK	▼ Cancel	
	Figure 1: Installatio Select a langua	n step 1 age	
🛟 IKARUS anti.virus	Setup	_	□ ×
Note: IKARUS a programs are r	nti.virus requires .Net Framework ot already installed, they will be in	and VC++ Redistribut nstalled when clicking	table. If these on "Install".
		💎 İnstall	Close

Figure 2: Installation step 2

To start the installation, your PC requires the Microsoft program .NET Framework. If you don'thave it, the installation will be done automatically. An existing Internet connection is required.

IKARUS anti.virus checks whether an older version of IKARUS anti.virus is installed. If this is the case, the older IKARUS anti.virus version must be uninstalled manually. You will probably be asked to restart your computer after uninstalling. Please restart the system, and the installation of IKARUS anti.virus can be started immediately.

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Figure 3: Installation step 3

Follow the installation wizard's instructions to install IKARUS anti.virus.

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IKARUS anti.virus Setup	×
End-User License Agreement	4
Please read the following license agreement carefully	-9-
IKARUS SECURITY SOFTWARE LICENSE AND MAINTENANCE AGREEMENT	^
Please read this agreement carefully! By installing the delivered software, you agree to be bound by the terms and conditions of the agreement below. If you do not agree to these terms and conditions, terminate the installation procedure and do not use the delivered software any further. Violation of these terms and conditions could constitute copyright infringement, resulting in civil and criminal proceedings.	*
☑ I accept the terms in the License Agreement	
Print Back Next C	ancel

Figure 4: Installation step 4

Please accept the IKARUS license terms to proceed with the installation.



😸 IKARUS anti.virus Setup		_		\times
Destination Folder Click Next to install to the default folder o	r dick Change to cho	oose another.		-\$-
Install IKARUS anti.virus to:				
C:\Program Files (x86)\IKARUS\anti.virus\ Change	I			
	Back	Next	Cano	el

Figure 5: Installation step 5

Select the target directory for the installation of IKARUS anti.virus. We recommend keeping the suggested default folder.



闄 IKARUS anti.virus Setup		_		\times
Ready to install IKARUS anti.	virus			-\$-
Click Install to begin the installation installation settings. Click Cancel to	. Click Back to review or chang exit the wizard.	e any of yo	bur	
	Back Instal	I	Cano	cel

Figure 6: Installation step 6



Figure 7: Installation step 7

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C IKARUS anti.virus Setup	_		×
		Clos	e

Figure 8: Installation step 8

The installation of IKARUS anti.virus is now complete. We recommend carrying out the quick system check in all cases!



Figure 9

Please enable IKARUS anti.virus using the activation code or license file.

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IKARUS anti.virus			_	
File Edit Tools Support Help SCAN Image: Constraint of the second s	eement JS anti.virus E ctivation Code	C,	GUARD Partially active	
Licenses Vi IK Description Owner	Expiration	. Serial Number	Validity	×
Add License File Redeem Activation Your system is unprotected!	Code Delete License		ОК	
			-C-IKA	RUS

Figure 10 In the "Help" menu item, select "License file or Activation code "

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с <i>і</i> о s	AN ysterr	n scan yet	00	QUARA 0 files in q	NTINE 👧	UPDATE 1 minute ago	C	GUARD Active	V
vi	¢	Licenses							×
IK	[Descripti	on		Owner	Expiration	Serial Number	Validity	
		ISM Lizen	z - for inte	rnal use O	IKARUS Security	20.01.2017	xx996644pp2	license valid	
		Add Licer	ise File	Redeem Ac	tivation Code De	lete License		ОК	
	/	Vour evet	om confi	auration is	safo				
		Your syst	em confi	guration is	safe.				
								ÓIKAI	RUS





2.3 Unattended command line installation

With the unattended installation of the command line (hereinafter referred to as "silent installation") there are further possibilities for configuring IKARUS anti.virus.

IMPORTANT: This kind of installation is possible only with the MSI installers of the IKARUS anti.virus software and is intended exclusively for advanced users and system administrators. Downloads can be found at:

https://www.ikarussecurity.com/at/downloads/produkte/download-ikarus-antivirus/

In order to perform a silent installation of IKARUS anti.virus, a CMD window opened with administrative privileges is needed.

The correct syntax for the silent installation is: msiexec /q /l* SetupLog.txt /i SetupProject.msi PROPERTY=VALUE

The parameter /1* SetupLog.txt is for the log file of the setup and can be omitted.

Instead of SetupProject.msi also an absolute path can be provided (e.g. C:\setup\setup.msi). If no absolute path is provided, the current folder in the CMD window must be the one containing the setup file. The syntax of PROPERTY=VALUE is very important. PROPERTY must be written in capital letters. Furthermore no whitespaces are allowed (e.g. PROPERTY=VALUE). The order of the properties is not important.

An example for a valid and correct syntax is: msiexec.exe /q /l* setuplog.txt /i SetupProject.msi ACCEPTLICENSEAGREEMENT="yes"USEPROXY="yes" PROXY="127.0.0.1:8080"

The following properties are currently supported for the silent installation. (Default values, if property is not set, are written in bold letters).

Mandatory:

The only mandatory property for the silent installation is accepting the license agreements. ACCEPTLICENSEAGREEMENT (yes) - Has to be accepted.

Anti.virus-Settings:

Proxy:

USEPROXY (yes/no) - Uses the defined proxy server PROXY (Host:Port) - Defined proxy server

Dependencies:

- Port= 1 ... 65535
- USEPROXY=yes -> PROXY must be set
- PROXY is set, USEPROXY not set -> USEPROXY=yes

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Protection:

WSYSTEM (yes/no) - Enable system protection
WEMAIL (yes/no) - Enable mail protection
WSPAM (yes/no) - Enable anti-spam protection
UPDATE (yes/no) - Enable automatic updates

Scan scheduling:

Remark: The default values in bold are only valid if at least one of the following properties is provided. If none are provided, no scheduled scan profile will be created.

AUTOSCAN (yes/no) - Enable automatic scheduled scan SCANTYPE (quick/standard/full) - Scan type for the automatic scan DAILY (yes) - Interval for automatic scan WEEKLY (0-6) - Interval for automatic scan (0=Sunday), 5default MONTHLY (1-31) - Interval for automatic scan SCANHOUR (xx:xx) - Time for automatic scan (17:00default)

Dependencies:

- Choose one of the scan intervals (DAILY, WEEKLY, MONTHLY)
- DAILY accepts only "yes", other parameters lead to an error message
- If one of the properties is provided, the other will be assigned default values. E.g.:
 - → SCANTYPE="standard"
 - AUTOSCAN="yes"
 - WEEKLY="5"
 - SCANHOUR="17:00"

Existing files:

The following existing files can be provided for the silent installation. If not provided, the setup will use the default ones.

The files can be provided independently from each other.

CONFIG (path)	Path to an existing guardx.conf. E.g.: CONFIG="C:\mydir" If provided, the properties of " <i>Anti.virus-Settings</i> " will be ignored.
VDB (path)	Path to an existing t3sigs.vdb. E.g.: VDB="C:\mydir"
T3 (path)	Path to an existing t3.dll. E.g.: T3="C:\mydir"
T3_W64 (path)	Path to an existing t3_w64.dll. E.g.: T3_W64="C:\mydir"
SDB (path)	Path to an existing antispam.sdb. E.g.: SDB="C:\mydir"



Installation behaviour:

The following properties can change the behaviour during and after the installation.

INSTALLFOLDER (path)	Install path for the installation. If not provided, default one will be used. Automatically ends with anti.virus. E.g.: "C:\myfolder" will be used as "C:\myfolder\anti.virus" for installation.
UPDATENOW (yes /no)	Perform an update after the setup is finished.
LICENSE (path)	Absolute path to the license file. E.g.: LICENSE="C:\mydir\license.ikkey"
CLOSEOUTLOOK (yes/ no)	Determines whether Outlook should be closed automatically if opened during the installation. Remark: There will be no user interaction.

Error messages:

If the installation fails, the cause for it can be determined from the created log file.

To determine whether the installation failed because of a wrong property syntax, you should look in the log file for "Error 0x80004005".

E.g.: If the user agreements have not been accepted, you would find the following line in the log files:

"Error 0x80004005: In order to install IKARUS anti.virus you must accept the license agreement. Please provide the property <u>ACCEPTLICENSEAGREEMENT="yes</u>" in order to install the product."

Additional information regarding the silent installation:

https://msdn.microsoft.com/en-us/library/aa367988(VS.85).aspx



2.4 Uninstalling IKARUS anti.virus



Figure 12: Start Uninstalling IKARUS

To uninstall IKARUS anti.virus, go to the Control Panel and open "Programs and features". Search IKARUS anti.virus

💠 IKARUS anti.virus Launcher	×
Please select a language:	
English	•
ОК	Cancel

Figure 13: Uninstalling step 2 Select a language

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C IKARUS anti.virus Setup		_		×
	Repair	Uninstall	Close	

Figure 14: Uninstalling step 3 Choose the Option "Uninstall".



Figure 15: Uninstalling step 4

After the procedure has finished, an appropriate note will appear. At the same time, you will be asked to restart your computer. It is recommended to proceed the restart as soon as possible.

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3

Features of IKARUS anti.virus

Main features on IKARUS anti.virus:

- Powered by the IKARUS scan.engine for solid detection
- Incremental updates (every 4 hours) incl. Program updates
- Comprehensive virus scanning
- Microsoft SharePoint monitoring
- E-Mail monitoring (Outlook) with Anti-SPAM feature
- Available languages: German, English, Russian, Italian, Croatian
- Compatible with IKARUS security.manager the central management console for business networks
- Scheduled On-demand scanning profiles
- Fast On-Access Scan
- Submit suspicious files to the IKARUS lab for further analysis
- Quarantine feature with different clean up possibilities
- Enable "Guard" option for pro-active virus and SPAM protection
- Password protection for settings
- Resource saving operation
- Flexible licensing 1/2/3/5 years

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3.1 Symbols and screens

Now take the time to familiarize yourself with the symbols used in IKARUS anti.virus.

Symbol	Description		
🕂 🍢 🖓 🌜 ENG 09:30 US 03/11/2014	You can find the standard symbol at the bottom right of your screen in the taskbar. *		
	Double-click on the symbol and the configuration screen for IKARUS anti.virus opens automatically. When moving the cursor over the symbol, the pop-up shown below will appear for a few seconds on your screen.		
IKARUS anti.virus SCAN UPDATE GUARD 17 hours ago 4 minutes ago altiv	You can also open IKARUS anti.virus here too. Simply click the required function (Scan, Update or Guard). This provides you with all the information on whether IKARUS anti.virus is running properly, when the last update was performed, when the last scan took place and whether all components of the virus protection are activated. If all three fields are white, everything is working OK. *		
IKARUS anti.virus SCAN UPDATE GUARD 17 hours ago 4 minutes ago patisity active System protection disabled! System protection disabled! System protection disabled!	When this window appears, you can see which area is affected by the warning. In the example, one component of the guard is disabled, i.e. part of the scanning function is disabled. *		
The appearance of the symbol in th	e taskbar may change and has different meanings accordingly.		
The white cross set to a red background indicates that even is OK, the virus protection is set to its highest level and the software is fully updated. IKARUS anti.virus is on and monit your PC.			
¢	This symbol indicates that one of the three components (Scan, Update or Guard) is not set to the highest security level available in IKARUS anti.virus.		
• • •	When the symbol pulsates in size (like a heartbeat), this indicates that IKARUS anti.virus is currently being updated.		
000	A rotating symbol shows that a scan is currently being performed.		
•	If the symbol for IKARUS anti.virus appears like this, a virus has been found. In this case, follow the instructions under 4.4, What to do when a virus is found -		

Overview IKARUS anti.virus symbols

Symbole, deren Beschreibung mit * markiert ist entfallen ab Windows 10

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4

The four main features

4.1 Guard – Your personal minder

Guard is the monitoring component in IKARUS anti.virus. To achieve the highest level of protection against malicious software, tick all of the available checkboxes. If required, you can reduce the level of protection by unchecking one or more checkboxes.

ATTENTION: IKARUS anti.virus only offers full virus protection when all options are selected and enabled!



Figure 16: Guard

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💠 IKARUS anti	.virus				
File Edit	Tools Support	Help			
SCAN 4 days ago	0,	QUARANTINE	UPDATE 1 minute ago	C GUARD Partially ad	tive
Virus, Ad IKARUS	Iware, and Span anti.virus guards y	n Protection our computer permanently i	in the background]
	Enable system protection Potect potentially unwanted applications				
 ✓ Enable <u>E-Mai</u> ✓ Enable <u>AntiSI</u> © Enable <u>Updat</u> 	e e-mail protection: <u>I Settings</u> e AntiSPAM <u>PAM Settings</u> e automatic update <u>e Settings</u>	Infected attachments will I	be saved.		
<u>!</u> Y	our system confi	guration is only partially	safe.	¢	CARUS

Figure 17: Guard - partly activated

You will also see a yellow symbol and the message "Your system is partly safe configured." appears. IKARUS anti.virus is then no longer able to provide you full protection.





Figure 18: Guard not activated

If the Symbol turns to red your system protection is turned off and the status message is "Warning! Your system configuration is not safe.".

If one or more areas are excluded from the scan, the appearance of the IKARUS anti.virus symbol in the taskbar will change to indicate this.

4.2 Updating IKARUS anti.virus

Your software can only provide reliable protection against viruses, worms, spyware and Trojan horses if it is up-to-date.

IKARUS anti.virus therefore contains an automatic update feature. Every 20 minutes, it checks for new updates. These are then automatically installed. The program connects to the internet if no connection is currently available.

If you do not use your computer for a long period of time, IKARUS anti.virus automatically download the latest updates when you start your PC.

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Figure 19: Update

There are two types of updates in IKARUS anti.virus: virus database updates and updates to IKARUS anti.virus itself.

Virus databases (or VDB for short) updates ensure that new malicious software is detected. The updates to IKARUS anti.virus are program updates that add new features or functions. Press 'Update now' to check for new updates.

If the latest updates are already installed, 'All up to date' will appear.



4.3 Scan - The virus check from IKARUS anti.virus

You can configure the scan to be performed automatically or start the scan manually in IKARUS anti.virus. You can manage and add as many scans as required.

Preset scans:

- Fast System Scan: Here, the Windows installation directory is scanned. Most malicious programs such as viruses and Trojan horses are located in this directory, and can be quickly and readily detected.
- System Partition: With this option, IKARUS anti.virus scans the drive where your operating system is installed. All archives, directories, folders and files on this drive are scanned by IKARUS anti.virus.
- Entire Computer: IKARUS anti.virus scans all drives on your computer.
- Removable Media: All external drives such as USB sticks and CD ROM drives are scanned.



Figure 20: Scan

Individual scans are configured by pressing "Add Scan Profile".

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🔶 Add Scan Profile	×
Scan Profile: Scanprofile_2016_9_14	
<files directories=""></files>	
Add Delete	Browse
Automatic Scan	
Every day 👻	
at 17:19 hours	
Shut down computer after scheduled scan	
Make up for missed scan	
Save	Cancel

Figure 21: Add Scan Profile

You can enter any name for the scan. Press "Browse" to select the folder, files etc. that you wish to scan. You may also set the program to perform an automatic scan where required.

The automatic scan can be scheduled for any time (e.g. every Friday at 12pm) and only scans the areas selected by the user.



IKARUS a	anti.virus			
File Ed	lit Tools Support	Help		
SCAN 5 days a	Q ,	QUARANTINE 0 files in quarantine	UPDATE C 17 minutes ago	GUARD TACtive
Scan				
The las	st system scan was r	run 5 days ago.		
In orde	er to scan your compu	iter, select a scan profile and	d click "Scan Now".	
Scan F	Profiles	Duration	Automatic Schedule	
09.09	.2016, at 17:31	Kunning	Next scan on 16.09.2016 a	at 17:00 🗶
Syste	m Partition	30 min 0 sec		ð
No.sc	an completed Fast System Scan - Sca	n Details	X	
F N S	Scan running: F 3159 files scanned	ast System Scan		* *
	Duration: 0 minutes	34 seconds		
	C:\WINDOWS\ASSE	MBLY\NATRAMEWORK.ROY/	ALE.NI.DLL.AUX	Scan Now
	Shut down comp	uter when scan is finished		
	in on at down comp			
	Cancel Scan	Pause scan	Close Window	

Figure 22: Scan running

To start a scan, press 'Scan Now'.

You can stop or cancel a scan at any time.

The status bar and remaining time indicator provide information on how the scan is progressing.

If the scan is completed and no viruses were detected, you can press 'close window' to return to the main window.

If a virus was detected, please click to Section '4.4 Quarantine - what to do when a virus is found' - and read the information provided there.



Mail Brennen Neuer Bibliothek "Dokur Hierzu gehören: 2 Orte Name Outlook-Dateien Meine empfangenen	r Ordner mente Öff In Zu Brc Mit	Anordnen nach: Ordner - Änderungsdatum 04.08.2016 16:40 ifnen neuem Fenster öffnen r VLC media player Wiedergabeliste hinzufügen powse in Adobe Bridge CS5.1 t VLC media player wiedergeben
Bibliothek "Dokur Hierzu gehören: 2 Orte Name Outlook-Dateien Meine empfangenen	Öff In 1 Zu Bro Mit	Anordnen nach: Ordner Anordnen nach: Ordner Anderungsdatum O4.08.2016 16:40 fneu neuem Fenster öffnen r VLC media player Wiedergabeliste hinzufügen owse in Adobe Bridge CS5.1 t VLC media player wiedergeben viedergeben
	Öf In i Zu Bro Mit	f nen neuem Fenster öffnen r VLC media player Wiedergabeliste hinzufügen owse in Adobe Bridge CS5.1 t VLC media player wiedergeben
1	SVI SVI To Vo Da O	N Checkout rtoiseSVN rgängerversionen wiederherstellen teien in Acrobat zusammenführen erprüfung durch IKARUS anti.virus iP Desktop inden an isschneiden pieren rknüpfung erstellen schen nbenennen
		Image: Second secon

Figure 23: Start IKARUS anti.virus Scan via Explorer

Another way to start a scan is to right-click on a drive, file or folder in Windows Explorer and select "IKARUS anti.virus scan".

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4.3.1 Scan-Settings

Click scan settings in the scan window or in the menu to go to the exclusions tab.

ettings		
E-Mail Update Dial-Up Connection Exclusion	ons Logs Extras A	ntiSPAM
Exclusions Please select which files and processes are e	xcluded from scanning.	
Files/Directories Processes File Size		
Load default settings		
Do not scan files larger than	50	
OK	Cancel	Apply

Figure 24: Exclusions

In this tab, you can specify which files and processes are not scanned by IKARUS anti.virus. It is also possible to limit the scan to files of a certain size or smaller.



4.4 Quarantine - what to do when a virus is found?

Read here how to manage infected files in the quarantine of IKARUS anti.virus and what possibilities you have to remove a virus from your system.

4.4.1 Virus detection warning

When a virus is detected, IKARUS anti.virus provides the following warnings:

Warn	ings
IKARUS anti.virus - virus found IKARUS anti.virus found a virus(EICAR-ANTIVIRUS-TESTFILE) in the attachment eicar.apk, the attachment was removed from the e-mail.The file was saved as\quarantine\files\4.vir. OK	ENG 11:00 US 03/13/2014
When an infected e-mail arrives in your inbox, IKARUS anti.virus detects the malicious program. A window will now appear on your screen, where IKARUS anti.virus notifies you that a virus was found and it was moved to the quarantine directory.	The yellow IKARUS anti.virus icon is shown in the taskbar.
IKARUS anti virus has scanned this mail for viruses, trojans and other malware. The e-mail was INFECTED. eicar.apk -> infected (EICAR-ANTIVIRUS-TESTFILE) attachment removed. The file(\quarantine\files\4.vir) was saved. 	IKARUS anti.virus SCAN UPDATE GUARD Virus 8 minutes ago Active Your system may be infected! Virus found!
In the infected email, the following text is shown when a virus is detected.	The information panel with the red bar shows a warning message in the scan window.

Warnings when a virus is found

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4.4.2 Virus detected during scan

When a scan is automatically or manually started and a virus is detected, this is indicated as follows:.

- As described above, the yellow IKARUS anti.virus icon appears in the Windows taskbar and a warning is shown in the information panel.
- In the 'Scan Details' windows, you will see the message 'infected files found' during and after the virus scan.
- The Quarantine tab opens automatically when the scan is completed.

Close Window

Figure 25: Scan finished – 1 potential threat found



• IKARUS anti.virus				
File Edit Tools Supp	ort Help			
SCAN Q	QUARANTINI 2 files in quaran	E QUPDA tine 2 minute	TE C	GUARD The Active
2 files are infected or p We advise you to perform	otentially unwante the suggestions.	ed.		
Date	File Name	Original Directory	Detection Name	Suggestion
21.09.2016 13:04:54	UdB3Te3w.zip.part	C:\Users\leiner.w\AppD	EICAR-Test-File	Backup and Delete
Select all files Clear List Purge System Perform Suggestions	Restore Ignore	Delete Backup and D	elete Clean File	
				¢ikarus

Figure 26: Quarantine – Virus found

4.4.3 Quarantine

Any viruses detected by IKARUS anti.virus are automatically moved to quarantine. Once the virus is 'quarantined', it no longer represents a threat to your system.

Once the infected file is moved to quarantine, all access to it is denied. From this point on, the file does not represent a threat to your computer.

The Quarantine tab contains all the information you require on the virus and about ways to remove it. You can also start any of the functions in the Quarantine tab from the toolbar or in the menu under "Edit".

The Quarantine tab in IKARUS anti.virus offers numerous options for configuring what actions to take when a virus or infected file is detected.

IKARUS anti.virus also suggests the best action to take in each case.

Press 'Suggestion' to carry out the actions proposed by the program.

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You can also select a different option if you do not wish to follow the recommendation provided by IKARUS anti.virus:

- **Purge System:** Alle infizierten Dateien werden in die Quarantäne verschoben.
- Ignorieren: Die als infiziert erkannte Datei wird temporär freigegeben. Das bedeutet, dass diese Datei bis zum Neustart des Services (d.h. normalerweise bis zum Neustart des PCs) nicht mehr gemeldet wird. Dies ermöglicht Ihnen wieder den Zugriff auf diese Datei. Nach einem Neustart Ihres PCs finden Sie die Datei jedoch wieder in der Quarantäne. Nach Betätigen des Buttons werden Sie außerdem gefragt, ob Sie die infizierte Datei an IKARUS zur Analyse schicken möchten (anonym oder mit E-Mail-Adresse zur Rückmeldung)
- Löschen: Die markierte Datei wird in die Quarantäne verschoben.
- Sichern und löschen: Die infizierte Datei wird in die Quarantäne verschoben. Gleichzeitig wird eine Sicherungskopie der Datei in Ihrem IKARUS anti.virus-Verzeichnis belassen. Der Eintrag in der Quarantäne wird danach hellgrau. Wenn gewünscht, können Sie die Datei durch Klick auf den Button "Zurück verschieben" wiederherstellen.
- **Datei bereinigen:** Wenn möglich, wird nur das Virus selbst aus der infizierten Datei entfernt. Die Datei selbst bleibt dabei bestehen und wird nicht gelöscht. Dateien, die im Grunde nur aus einem Virus bestehen, werden zur Gänze gelöscht.
- Liste löschen: Entfernt die Einträge aus der Quarantäneliste. Mehr als 7 Tage alte Einträge werden automatisch aus der Liste entfernt.

In IKARUS anti.virus, you can check the quarantine list to see which viruses have already been detected, if any were deleted, or what actions were taken when they were detected.

Entries that appear in black indicate that a virus is in quarantine and no action has been taken. Now decide what action to take or follow the recommendations provided by IKARUS anti.virus.

Entries shown in grey indicate that a virus was deleted or saved to a back-up file. You can remove these entries from the list at any time by pressing 'Clear list'.



IKARUS anti.virus			
File Edit Tools Supp	ort Help		
SCAN O	QUARANTINE 2 files in quarantine	UPDATE C 15 minutes ago	GUARD
2 files are infected or p We advise you to perform	otentially unwanted. <u>a the suggestions.</u>		
Date	File Name Origina	al Directory Detection Name	Suggestion
1.09.2016 13:04:54	UdB3Te3w.zip.part C:\Use	rs\leiner.w\AppD EICAR-Test-File	Backup and Delete
21.09.2016 14:15:06	L23PvROo.zip.part C:\Use	Details Save As Send to IKARUS	Backup and Delete
Select all files Clear List Purge System Perform Suggestions	Restore Ignore Delete	Backup and Delete Clean File	
			AIKADUS

Figure 27: Right-click on the virus

If the cursor is on a virus entry in the quarantine list, you can now right-click the item. A pop-up window now appears where you can specify what actions are to be taken.



🔶 Details 🛛 🗶
Date and Time: 21.09.2016 14:15:06 File Name: L23PvROo.zip.part Original Path: C:\Users\leiner.w\AppData\Local\Temp\ File Size: 0,3 KB Detection Name: EICAR-Test-File Detection-ID: 462103 Suggestion: Backup and Delete
Save File As Copy Text to Clipboard

Figure 28: Virus information

To get more information on any virus in the quarantine list, simply double-click on the file name or the original directory.

				lurchsuchen	19
Organisieren 🔻	Neuer Ordner			• ==	?
☆ Favoriten ■ Desktop		Bibliothek "Dokumente" Hierzu gehören: 2 Orte	Anordnen r	ach: Ordner 🔻	
🚺 Downloads		Name	Änderungsdatum	Тур	
📳 Zuletzt besuc	ht	Jutlook-Dateien	04.08.2016 15:16	Dateiordner	
		길 Meine empfangenen Dateien	03.08.2016 16:00	Dateiordner	
潯 Bibliotheken					
Bilder					
Dokumente		· • •			Þ
Dokumente					
Dateiname:	virus.zip				

Figure 29: Save virus

If you right-click on "Save as..." a "virus.zip" will be generated and you can send it to IKARUS via mail.

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To do this automatically just use the function "send to ikarus". You can do this wether anonymous or with your E-Mail adress to receive further informations from IKARUS.



5

Additional features

5.1 Anti-SPAM

The IKARUS Anti-SPAM Module lets you filtering e-mails, which are received via Outlook, Outlook Express or Windows Mail. To activate the Spam protection just click on the option "Activate Anti-SPAM" in the settings of IKARUS anti.virus.

After the next IKARUS update the Anti-SPAM Module is activated. To adjust the spam assessment click on the yellow and red controls (yellow stands for "Possible SPAM", red for "SPAM").

To edit the default setting (3/7) click on the row (above "Possible SPAM"; above "SPAM") on the colour labelling.

For e-mails which are marked as SPAM, you can choose between the two options "Mark mail" (add the word "SPAM" to the subject of the e-mail) and "Move mail" (the e-mail gets transferred in the Junk-folder from the mail client).

"Possible SPAM" mails will always be tagged in the mail subject and will stay in the inbox folder of your mail- client.

In the "Advanced SPAM protection" you are able to configure your own spam filter, with possibility to define spam rules for sender, recipient, subject and content of e-mails.





Figure 31: Anti-SPAM settings

Durch Bewegen der Regler nach links oder rechts können Sie die Einstellungen verändern.

5.2 Microsoft-SharePoint protection

This chapter describes how to use IKARUS anti.virus as an anti-virus-plugin for Microsoft SharePoint and addresses advanced users or administrators.

If SharePoint is not installed on your computer, this chapter is not relevant to you.

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5.2.1 Performance

IKARUS anti.virus can be used as an anti-virus-plugin for Microsoft SharePoint. The protection covers to components:

- Uploaded files are scanned and the upload is interrupted if a virus is detected.
- Downloaded files are scanned and the download is interrupted if a virus is detected.

Antivirus Settings Specify when you want documents stored in document libraries and lists to be virus scanned, and whether you want your virus scanner to attempt to clean infected documents.	Scan documents on upload
	Scan documents on download
	Allow users to download infected documents
	Attempt to clean infected documents
Antivirus Time Out	Time out duration (in seconds):
fou can specify now long the virus scanner should run before timing out. If server response time is slow while scanning, you may want to decrease the number of seconds.	300
Antivirus Threads	Number of threads:
You can specify the number of execution threads on the server that the virus scanner may use. If server response time is slow while scanning, you may want to decrease the number of threads allowed for view recording.	5

Figure 32: AntiVirus Settings for Microsoft SharePoint

The interface of IKARUS anti.virus offers you the possibility to activate or deactivate the whole protection of Microsoft SharePoint. The plugin itself is controlled in the administration panel of Microsoft SharePoint. Please note that the option "Attempt to clean infected documents" is not supported by IKARUS anti.virus und will therefore show no impact.

IMPORTANT: The IKARUS anti.virus Plugin requires a 64-bit operating system and SharePoint Server Version 2007 or higher.

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5.2.2 Installation

Install IKARUS anti.virus as described in chapter 2. IKARUS anti.virus recognizes if Microsoft SharePoint is already installed but you still have to restart Microsoft IIS after finishing the installation procedure. You also have to restart Microsoft IIS after uninstalling IKARUS anti.virus to finish the registration of the Plugin.

Please note that the installation will only succeed if you do not have installed any other anti-virus software that supports Microsoft SharePoint.

For the clients that connect to your SharePoint, no further configuration is required!

5.2.3 Functioning

Following the standard setting of SharePoint and IKARUS anti.virus, every file that is up- or downloaded will be scanned. If the file is not infected, end users on client computers will not notice anything of this process and will be able to go on working undisturbed.

If IKARUS anti.virus detects a virus, the running process will be stopped and the user will be informed over a dialogue box in the current browser window.



Figure 33: Notification about a detected virus when uploading

The figure shows the dialogue box that will be shown to the end user if IKARUS anti.virus has detected a virus within the uploading file.

Error Found

"/Shared Documents/eicar.com.txt.11" contains the following error: "IKARUS anti.virus found: EICAR-ANTIVIRUS-TESTFILE". If you want to open this file, you'll need to dean the file using your own scanning software. Do you want to save the file to your computer and attempt to dean it?

Figure 34: Notification about a detected virus when downloading

These figure shows the dialogue box that appears if IKARUS anti.virus has detected a virus in a file that is being downloaded and if the option "Scan documents on download" is active and "Allow users to download infected documents" is deactivated.

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IKARUS Security Software GmbH | Blechturmgasse 11 | A-1050 Vienna/Austria | Phone: +43 1 589 95-0 | Fax: +43 1 589 95-100 | office@ikarus.at www.ikarussecurity.com | Erste Bank Österreich | BIC: GIBAATWWXXX | IBAN: AT14 2011 1821 2208 2100 | Commercial Register Number: FN 64708i Place of jurisdiction: Vienna | VAT ID: ATU15191405



SharePoint allows the server-administrator to activate or deactivate the scan of uploading and downloading files separately. If one these options is deactivated, IKARUS anti.virus will no longer carry out the virus-scans. Both options, to scan files on download or on upload, will be shown in the IKARUS anti.virus user interface as additional information – but it can only be changed directly in the administration panel of SharePoint.

IKARUS anti.virus offers the possibility to deactivate the surveillance of SharePoint completely. In that case, neither up- or downloads will be scanned.



Figure 35: Sharepoint-Settings IKARUS anti.virus

This figure shows the checkmark with the note "Monitor SharePoint Server" that can be set or deleted to control the protection of SharePoint. Below the current status of the up- und download-scanning is shown.



File File Table Ournet Hele	
SCAN Q! QUARANTINE No system scan yet 1 file in quarantine	UPDATE C GUARD 7 minutes ago Partially active
Virus, Adware, and Spam Protection IKARUS anti.virus guards your computer permanently i	n the background SharePoint Server is installed.
 Detect potentially unwanted applications Enable e-mail protection: Infected attachments will b <u>E-Mail Settings</u> Enable AntiSPAM <u>AntiSPAM Settings</u> Enable automatic updates <u>Update Settings</u> 	Updating status be saved.
Your system configuration is only partially s	safe.

Figure 36: Sharepoint-Settings – Updating status

It might take a few moments until the settings have been checked: In that case you will see the note "Updating status ..." as shown in this image.

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File Edit Tools	Support Help				_ 🗆 X
SCAN (QUARANTIN 1 file in quarant	E 👷 UPDA line 12 min	utes ago	GUARD (Jo
Virus, Adware, an IKARUS anti.virus g	id Spam Protection guards your computer pe	rmanently in the backg	round		
🗹 Enable system p	protection		SharePoint S	erver is installed.	
Detect potent	tially unwanted applicati	ons	Scan-on-up	oload is not active.	
 Enable e-mail pro E-Mail Settings Enable AntiSPAI AntiSPAM Settin Enable automation Update Settings 	otection: Infected attach M <u>ngs</u> c updates	ments will be saved.	Scan-on-do	ownload is not active.	
Your system	m configuration is only	y partially safe.			

Figure 37: Sharepoint-protection disabled

This image shows that the information of the up- and downloading status disappears if SharePoint protection is deactivated, Then the system protection is not completely safe configured which will be shown by displaying the warning symbol and the status "Your system is partly safe configured".



🜻 IKARUS anti.virus				_ 🗆 X
File Edit Tools Support	Help			
SCAN Q! No system scan yet	QUARANTINE	UPDATE 11 minutes ago	C GUARD Partially active	D o
Virus, Adware, and Span IKARUS anti.virus guards y	n Protection our computer permanentl	y in the background		
🗹 Enable system protectio	n	Share	Point Server is installed.	
🗹 Detect potentially un	wanted applications	Sca	n-on-upload is active.	
 Enable e-mail protection <u>E-Mail Settings</u> Enable AntiSPAM <u>AntiSPAM Settings</u> Enable automatic update <u>Update Settings</u> Your system confi 	: Infected attachments wi es guration is only partiall	ll be saved. Sca <mark>y safe.</mark>	n-on-download is not active.	
				RUS

Figure 38: Sharepoint-protection not complete

Derselbe Gesamtsystemstatus ist auch dann gegeben, wenn in der Administrationsoberfläche von SharePoint zumindest eine der beiden Optionen für Upload- oder Download-Scanning deaktiviert ist.

Sollten mit IKARUS anti.virus unerwartete Probleme auftreten, können keine SharePoint-Dateien gescannt werden. In diesem Fall werden aus Sicherheitsgründen der Upload und Download komplett unterbunden, so fern die jeweilige Scan-Option am SharePoint aktiviert ist. Für den SharePoint-Endbenutzer am Clientrechner äußert sich dieses Problem in folgender Fehlermeldung: "installed virus scanner is currently unavailable. If the problem persists, contact your administrator."



File Edit Tools	Support	Help					
SCAN No system scan yet	Q!	QUARANTINE 1 file in quarantine	@ !	UPDATE 13 minutes ago	C	GUARD Partially active	0
Virus, Adware, a IKARUS anti.virus	and Spam s guards yo	Protection our computer perma	nently in t	he background			
🗹 Enable system	n protection	n		Share	ePoint Serve	er is installed.	
Detect pote	entially unv	vanted applications		Sc	an-on-upload	is active.	
 Enable e-mail E-Mail Setting Enable AntiSF AntiSPAM Set 	protection: <u>s</u> 'AM :tings	Infected attachmen	ts will be	saved. Sc	an-on-downlo	ad is active.	
Enable automa <u>Update Setting</u>	atic update	S					
✓ Your syst	em config	juration is safe.				Â	
						- C-IKAR security softwa	US

Figure 39: SharePoint-protection complete

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6

Settings

6.1 Language settings

Several interface languages are available in IKARUS anti.virus. The software determines the right language (based on your computer settings) during the installation process.

ne Eur Toola	Support		0	_			-
SCAN 6 days ago	0	QUARANTINE 0 files in quaranti	ine 🐼	UPDATE 2 minutes ago	C	GUARD Active	V
Virus, Adware IKARUS anti.vir	, <mark>and Spam</mark> us guards yo	Protection ur computer pern	nanently in	the background			
Enable syste	m protection		-	Ū.			
Detect po	tentially unw	anted application	IS				
👿 Enable e-ma	I protection:	Infected attachm	ents will be	saved.			
E-Mail Settin	<u>gs</u> PAM						
AntiSPAM S	<u>ettings</u>						
Enable autor	natic updates						
Update Setti	ngs						
🔶 Language Se	lection		2	3			
Please select	the desired la	inguage.		_			
English						OIK	ARUS
						· securit	y sortware

Figure 40: Language settings

The window for changing the language settings is opened under 'Tools' > 'Language' in the menu.

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IKARUS anti.virus supports the following languages:

- German
- English
- Croatian
- Italian
- Russian

6.2 Logs

Under "Tools/Logs" you can specify which logs are shown for which actions. In the log window, the previous actions carried out by utilities are displayed.

🔶 Logs — 🗆	×
Entire Computer ~	
[29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rry-editor.resources_31bf3856ad364e35_10.0.14393.0_de- de_89a97cd05ef49b45\regedit.exe.mui [29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rsistance-dcomserver_31bf3856ad364e35_10.0.14393.0 _none_67bcb5c0c0a613b1\raserver.exe [29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rsistance-dcomserver_31bf3856ad364e35_10.0.14393.0 _none_67bcb5c0c0a613b1\rendezvousSession.tlb [29.01.2017 17:35:26] Scanned in 0.016 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rral-language-client_31bf3856ad364e35_10.0.14393.0 _none_f44e3492f0b986eb\RemoteNaturalLanguage.dll [29.01.2017 17:35:26] Scanned in 0.032 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rrdvgm-com-component_31bf3856ad364e35_10.0.14393.0 _none_012e49dc687d9eeb\RdvgmProxy.dll [29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rt-office-protectors_31bf3856ad364e35_10.0.14393.0 _none_4594460740901c48\MsolrmProtector.ppt [29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rt-office-protectors_31bf3856ad364e35_10.0.14393.0 _none_4594460740901c48\MsolrmProtector.ppt [29.01.2017 17:35:26] Scanned in 0.000 sec: C:\Windows\WinSxS\wow64 _microsoft-windows-rt-office-protectors_31bf3856ad364e35_10.0.14393.0	^
OK	

Figure 41: Logs of performed actions

These logs come in particularly handy when you need to get in touch with the IKARUS support hotline (see section 7). You can also view and check the logs to see which actions were performed by IKARUS anti.virus.

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6.3 Further settings

IKARUS anti.virus bietet Ihnen im Menü "Extras/Einstellungen" einen Dialog zur Konfiguration an. In dem Dialog sind die Einstellungsmöglichkeiten über Registerkarten nach Themenbereichen gegliedert.

6.3.1 E-Mail



Figure 42: E-Mail Einstellungen

In the Email tab, you can enable and configure e-mail scanning.



6.3.2 Update

• IKARUS anti.	♦ Settings ×	• ×
File Edit SCAN	E-Mail Update Dial-Up Connection Exclusions Logs Extras AntiSPAM	1
1 day ago	Update Settings	Ť
Virus, Adw IKARUS an	Do you want to automatically search for product updates?	
☑ Enable s ☑ Deter	Search for updates automatically	
✓ Enable e	Install product updates automatically	
<u>E-Mail S</u> ☑ Enable A	Use proxy server	
AntiSPA	Proxy settings	
✓ Enable a Undate \$	Server: proxy.ik.local Port: 8080	
opuare v	User:	
	Password:	
🖌 Υοι		
_	OK Cancel Apply	
		oftware

Figure 43: Update-settings

The Update tab shows the different options available for the update function.

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6.3.3 Dial Up Connection

• IKARUS anti.	♦ Settings ×	
SCAN 1 day ago	E-Mail Update Dial-Up Connection Exclusions Logs Extras AntiSPAM Dial-Up Connection Settings	J
Virus, Adw IKARUS an ☑ Enable s ☑ Deteo ☑ Enable e <u>E-Mail S</u> ☑ Enable A <u>AntiSPA</u> ☑ Enable a <u>Update S</u>	Standard broadband connection Standard broadband connection Automatic dialing Automatically establish dial-up Internet connection between 15 o'clock and 16 o'clock If you activate this option, the dial-up connection is closed when all updates have been downloaded. For an already established dial-up connection, there will be neither a connection attempt, nor will any active connection be closed after the download.	
Vol You	OK Cancel Apply	RUS

Figure 44: Dial Up Connection-Settings

The Modem connection tab is used to set the autodial function for updating IKARUS anti.virus. You can specify a period of time during which Auto Update can automatically dial and connect to the internet (if dial-up connection is selected).

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6.3.4 Exclusions

• IKARUS anti.	♦ Settings* ×	
File Edit T SCAN 1 day ago Virus Data The last up Your virus c IKARUS ar	E-Mail Update Dial-Up Connection Exclusions Logs Extras AntiSPAM Exclusions Please select which files and processes are excluded from scanning. Files/Directories Processes File Size Load default settings Do not scan files larger than 50 MB	0
The last up You have in The next au Update	Do not scan files larger than 50 MB	
	OK Cancel Apply	RUS

Figure 45: Exclusions-Settings

On the Exclusions tab you can select which files and process are excluded from the IKARUS anti.virus scan. This may be quite useful in cases where you wish to exclude a service from the scan that is already using a good amount of the system resources (mp3 or holiday photos), or if you do not want one specific directory to be scanned.



6.3.5 Logs

🔶 IKARUS anti.	Settings*	×	
File Edit			
SCAN	E-Mail Update Dial-Up Connection Exclusions Logs Extras AntiSPAM	-	
1 day ago	Logs		V
Virus Data	Choose here what kind of data should be included in the logs.		
The last up			
Your virus c			
The last up	Log system supervision in the main log		
You have in			
The next au	Record logs for scans		
	Record all data when scanning		
	✓ Overwrite logs		
Update			
	OK Cancel Apply		
			oftware

Figure 46: Logs-Settings

Select what actions are to be logged by IKARUS anti.virus on the 'Logs' tab.



6.3.6 Extras

In the 'Extras' tab, you can specify additional settings:

- You can specify that system monitoring is to be reactivated when your PC reboots.
- You can participate on the Quality Insurance Program. IKARUS receives statistic informations from your system to enforce the virus detection. Please recognize the License Agreement in section 8.3 for that.
- Since IKARUS anti.virus 2.2 exists the possibility to set a password protection. If this is
 activated, settings can only be edited after entering the password. This option is helpful if
 you as administrator of the computer want to prevent that non-authorized users can edit the
 settings. This password protection is also for enabling/disabling the System protection.

Press 'Restore Default Settings" to reset IKARUS anti.virus to its original settings following installation. All previously changes to the settings are reset.

🔶 IKARUS anti.	♦ Settings ×	
File Edit SCAN 2 days ago	E-Mail Update Dial-Up Connection Exclusions Logs Extras AntiSPAM Additional Settings	Ţ
Virus Data The last up Your virus d	 Activate system protection at system startup Participate in the Signature Quality Assurance programme Password protection 	
IKARUS ar The last up You have in The next au	Administration password Enter new password: Confirm new password:	
Update	Restore Default Settings	
	OK Cancel Apply	RUS

Figure 47: Extras-Settings

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6.3.7 Anti-SPAM

The Anti-Spam Module lets you organize the settings for your personal mail filter of IKARUS IKARUS anti.virus. Find more information about the Anti-SPAM Module at section 5.1 of this manual.

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IKARUS Security Software GmbH | Blechturmgasse 11 | A-1050 Vienna/Austria | Phone: +43 1 589 95-0 | Fax: +43 1 589 95-100 | office@ikarus.at www.ikarussecurity.com | Erste Bank Österreich | BIC: GIBAATWWXXX | IBAN: AT14 2011 1821 2208 2100 | Commercial Register Number: FN 64708i Place of jurisdiction: Vienna | VAT ID: ATU15191405



7

Support

For inquiries and consultation with IKARUS it is helpful to obtain detailed informations about the installed version of IKARUS anti.virus or the virus database (VDB).

To make the process as fast and efficient as possible, there are several ways to get in touch with us and send us information regarding questions you have on IKARUS anti.virus.

Version Information	×
Product	2.13.21
Updater	1.5.50
Scan Engine	3.0.17
Virus Database	99037 31.01.2017 14:08
AntiSPAM Engine	1.0.76
SPAM Database	7310 31.01.2017 05:20
	ОК

Figure 48: Support – Version information

Go to Support in the menu bar to quickly view the current version number of your IKARUS anti.virus. You will need this information when contacting our support team.



💠 Contact	×
	IS
IKARUS Security Software	GmbH
Blechturmgasse 11 A-1050 Vienna Austria	
Phone: +43 (0)1 589 95	- 0
http://www.ikarussecurity.	<u>com</u>
support@ikarus.at	
	ОК

Figure 49: Support – Contact

You can also view the contact details in IKARUS anti.virus. When you write an email to this address, it is automatically sent to us with the vital version information.

Under "Support" – "Save Support Info" in the menu, you can compile the most support information and send it to us as a zip file.

IKARUS anti.virus					-		×
File Edit Tools SCAN 2 days ago	Support Help Version Information Contact Save Support Info	Ð	UPDATE 8 minutes ago	C	GUARD Active	J	
Virus, Adware, a IKARUS anti.virus	and Spam Protection s guards your computer pern	nanently in	the background		-		
🗹 Enable system	n protection						
Detect pote	entially unwanted application	s					

Figure 50: Support-Info

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7.1 License key

The IKARUS anti.virus program comes with a special license key. This governs the length of your license and the number of installed users.

You automatically receive the license key when you purchase IKARUS anti.virus or sending the registration form to IKARUS via product activation.

Under Help in the menu, you can check, delete, add or archive your license keys.

Description Owner Expiration Serial Number Validity
ISM Lizenz - for internal use O IKARUS Security 20.01.2018 xx996644pp2 license valid.

Figure 51: IKARUS anti.virus Licenses

It is also possible to manage multiple license keys in cases, for instance, where a license key is set to expire soon and you have already received the new one. IKARUS anti.virus automatically selects the right key.

Please contact our support team if you cannot find your license key or you did not receive one.

If you have an activation key, please fill in your personal data and send the registration to IKARUS to receive a license key for IKARUS anti.virus, which will be imported into the software automatically.



We need your data so	that we can provide free support as	s long as your product is licensed.	
Activation Code:*			
Condert	Male	Last Name:*	
Gender."	○ Female	First Name:*	
Company:			
Street:*		House Number:*	
Postal Code:		City:*	
Country:*	Austria	~	
E-Mail:*		Phone:	
		Cancel	Send Data

Figure 52: Activate the software via activation code

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8

Further informations

Please get here information about the necessary Microsoft NET Framework, the adaption of personal firewalls and the licensing terms of IKARUS Security Software GmbH.

8.1 .NET Framework

.NET Framework is required to display IKARUS anti.virus' graphical interface. If this program is already in- stalled on your computer, the installation of IKARUS anti.virus will be completed without interruption. If, however, this program is not already installed on your computer, this will be either automatically installed from the installation CD or, if you are not installing the program from a CD, it will be downloaded from the Microsoft website.

.NET Framework is freeware from Microsoft. There are no license fees and it requires no registration.

8.2 Licensing Terms

The actual EULA you can find also under https://www.ikarussecurity.com/eula/

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9 Contact

IKARUS Security Software GmbH

Blechturmgasse 11 1050 Vienna Austria

Telefon: +43 (0) 1 58995-0 Fax: +43 (0) 1 58995-100 office@ikarus.at https://www.ikarussecurity.com

IKARUS Security Software Support Kontakt

Phone: +43 (0) 1 58995-400 Support times: Monday - Thursday: 8 am – 6 pm Uhr (CET) Friday: 8 am – 3 pm (CET)

E-Mail: support@ikarus.at

IKARUS Security Software Sales Contact

Phone: +43 (0) 1 58995-500 E-Mail: sales@ikarus.at