

# ESET FILE SECURITY

FOR MICROSOFT WINDOWS SERVER CORE

Installation Manual and User Guide

Microsoft® Windows® Server 2008 / 2008 R2 / 2012 / 2012 R2

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## ESET FILE SECURITY

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# 1. Introduction

ESET File Security for Microsoft Server Core is an integrated solution specially designed for the Microsoft Windows Server Core environment. ESET File Security delivers effective and robust protection against various types of malware and provides two types of protection: Antivirus and Antispyware.

Some key features of ESET File Security:

- [Automatic Exclusions](#) – automatic detection and exclusion of critical server files for easy operation.
- [eShell](#) (ESET Shell) - new command line control interface that offers advanced users and administrators more comprehensive options to manage ESET products.
- SelfDefense – technology that protects ESET security solutions from being modified or deactivated.

ESET File Security supports Microsoft Windows Server 2008 Core standalone as well as Microsoft Windows Server Core in a cluster environment. You can remotely manage ESET File Security in larger networks with the help of ESET Remote Administrator.

## 1.1 System requirements

Supported Operating Systems:

- Microsoft Windows Server 2008 (x86 and x64)
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012

Hardware requirements depend on the operating system version in use. We recommend reading the Microsoft Windows Server product documentation for more detailed information on hardware requirements.

## 1.2 Types of protection

There are two types of protection:

- Antivirus protection
- Antispyware protection

Antivirus and Antispyware protection is one of the basic functions of the ESET File Security product. This protection guards against malicious system attacks by controlling file, email and Internet communication. If a threat with malicious code is detected, the Antivirus module can eliminate it by blocking it and then cleaning, deleting or moving it to [quarantine](#).

## 1.3 User interface

ESET File Security has command line interface called eShell, which was designed to be as intuitive as possible.

## 2. Installation

After purchasing ESET File Security, the installer can be downloaded from ESET's website ([www.eset.com](http://www.eset.com)) as an .msi package. Once you launch the installer, the installation wizard will guide you through the basic setup. There are two types of installation available with different levels of setup details:

### 1. Typical Installation

### 2. Custom Installation

**NOTE:** We highly recommend installing ESET File Security on a freshly installed and configured OS, if possible. However, if you do need to install it on an existing system, the best to do is to uninstall previous version of ESET File Security, restart the server and install the new ESET File Security afterwards.

### 2.1 Typical installation

Typical installation mode quickly installs ESET File Security with minimal configuration during the installation process. Typical installation is the default installation mode and is recommended if you do not have particular requirements for specific settings yet. After ESET File Security has been installed on your system, you can modify the options and configuration settings at any time. This user guide describes these settings and functionality in detail. The Typical installation mode settings provide excellent security coupled with ease of use and high system performance.

After selecting the installation mode and clicking Next, you will be prompted to enter your username and password. This plays a significant role in providing constant protection to your system, as your username and password allows automatic virus signature database Updates.

Enter the username and password, which you received after the purchase or registration of the product, into the corresponding fields. If you do not currently have your username and password available, it can be entered directly from the program at a later time.

The next step is to configure the ThreatSense.Net Early Warning System. The ThreatSense.Net Early Warning System helps ensure that ESET is immediately and continuously informed about new infiltrations in order to quickly protect its customers. This system allows new threats to be submitted to ESET's Threat Lab, where they are analyzed, processed and added to the virus signature database. By default, the **Enable ThreatSense.Net Early Warning System** option is selected. Click **Advanced setup...** to modify detailed settings about the submission of suspicious files.

The next step in the installation process is to configure **Detection of potentially unwanted applications**. Potentially unwanted applications are not necessarily malicious, but can often negatively affect the behavior of your operating system. See the [Potentially unwanted applications](#) chapter for more details.

These applications are often bundled with other programs and may be difficult to notice during the installation process. Although these applications usually display a notification during installation, they can easily be installed without your consent.

Select the **Enable detection of potentially unwanted applications** option to allow ESET File Security to detect this type of applications. If you do not wish to use this functionality, select **Disable detection of potentially unwanted applications**.

The final step in Typical installation mode is to confirm the installation by clicking the **Install** button.

## 2.2 Custom installation

Custom installation is designed for those who would like to configure ESET File Security during the during the installation process.

After selecting the installation mode and clicking **Next**, you will be prompted to select a destination location for the installation. By default, the program installs in C:\Program Files\ESET\ESET File Security. Click **Browse...** to change this location (not recommended).

Next, Enter your **Username** and **Password**. This step is the same as the Typical installation mode step (see "[Typical installation](#)").

After entering your username and password, click **Next** to proceed to **Configure your Internet connection**.

If you use a proxy server, it must be correctly configured for virus signature updates to work correctly. If you would like to have the proxy server configured automatically, select the default setting **I am unsure if my Internet connection uses a proxy server. Use the same settings as Internet Explorer (Recommended)** and click **Next**. If you do not use a proxy server, select the **I do not use a proxy server** option.

If you prefer to enter the proxy server details yourself, you can configure the proxy server settings manually. To configure your proxy server settings, select **I use a proxy server** and click **Next**. Enter the IP address or URL of your proxy server in the **Address** field. In the **Port** field, specify the port where the proxy server accepts connections (3128 by default). If your proxy server requires authentication, enter a valid **Username** and **Password** to grant access to the proxy server. Proxy server settings can also be copied from Internet Explorer if desired. Once the proxy server details are entered, click **Apply** and confirm the selection.

Click **Next** to proceed to **Configure automatic update** settings. This step allows you to designate how automatic program component updates will be handled on your system. Click **Change...** to access the advanced settings.

If you do not want program components to be updated, select the **Never update program components** option. Select the **Ask before downloading program components** option to display a confirmation window before downloading program components. To download program component upgrades automatically, select the **Always update program components** option.

**NOTE:** After a program component update, a restart is usually required. We recommend selecting the **Never restart computer** option. The latest component updates will come into effect after the next server restart (whether it is scheduled, manual or otherwise). You can choose **Offer computer restart if necessary** if you would like to be reminded to restart the server after the components were updated. With this setting, you can restart the server right away or postpone the restart and perform it at a later time.

The next installation window offers the option to set a password to protect your program settings. Select the **Protect configuration settings with a password** option and choose a password to enter in the **New password** and **Confirm new password** fields.

The next two installation steps, **ThreatSense.Net Early Warning System** and **Detection of potentially unwanted applications** are the same as the Typical installation mode steps (see "[Typical installation](#)").

Click **Install** in the **Ready to install** window to complete installation.

### 3. Work with ESET File Security

#### 3.1 eShell

eShell (short for ESET Shell) is a command line interface for ESET File Security. eShell has all the features and options that the GUI normally gives you. eShell lets you configure and administer the whole program. It also provides you with the option of using automation by running scripts in order to configure, modify configuration or perform an action.

This section explains how to navigate and use eShell as well as lists all the commands with the description of what particular command is used for and what it does.

There are two modes in which eShell can be run:

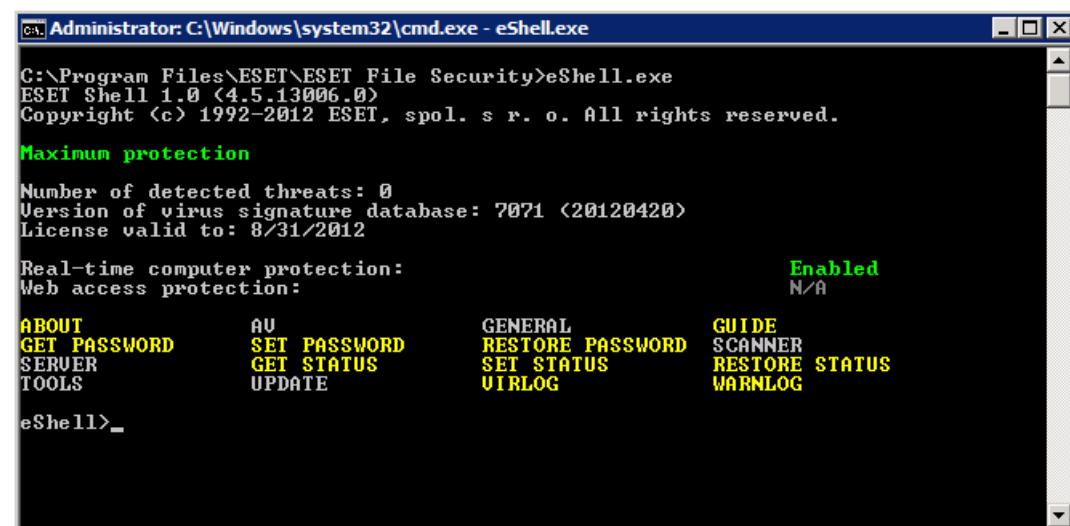
- Interactive mode - this is useful when you want to work with eShell (not just execute single command) for tasks such as changing configuration, viewing logs, etc. You can also use interactive mode if you are not familiar with the all the commands yet. Interactive mode will make it easier for you when navigating through eShell. It also shows you available commands you can use within a particular context.
- Single command / Batch mode - you can use this mode if you only need to execute a command without entering the interactive mode of eShell. This can be done from the Windows Command Prompt by typing in `eshell` with appropriate parameters. For example:

```
eshell set av document status enabled
```

**NOTE:** In order to run eShell commands from Windows Command Prompt or to run batch files, you need to have this function enabled first (command `set general access batch` needs to be executed in interactive mode). For further information about the `set batch` command click [here](#).

To enter interactive mode of eShell, navigate to a directory where you have installed the ESET File Security (e.g. `C:\Program Files\ESET\ESET File Security`) and simply type in `eshell` and press the Enter key. If you want to avoid navigating to this folder each time you wish to enter eShell you can use SETX command. For example: `SETX Path %Path%;"C:\Program Files\ESET\ESET File Security"` (keep the " quotation marks and in case you have installed ESET File Security in other place than the default then make sure to change the path accordingly). Reboot of the server is required in order to load new variables. After this, you can run the eShell just by typing `eshell` from any place.

When you run eShell in interactive mode a status screen will display.



The screenshot shows a Windows Command Prompt window titled 'Administrator: C:\Windows\system32\cmd.exe - eShell.exe'. The window displays the following information:

```
C:\>Program Files\ESET\ESET File Security>eShell.exe
ESET Shell 1.0 <4.5.13006.0>
Copyright <c> 1992-2012 ESET, spol. s r. o. All rights reserved.

Maximum protection

Number of detected threats: 0
Version of virus signature database: 7071 <20120420>
License valid to: 8/31/2012

Real-time computer protection: Enabled
Web access protection: N/A

ABOUT      AU      GENERAL      GUIDE
GET_PASSWORD SET_PASSWORD RESTORE_PASSWORD SCANNER
SERVER      GET_STATUS   SET_STATUS    RESTORE_STATUS
TOOLS       UPDATE      VIRLOG        WARNLOG

eShell1>_
```

If you want to get a quick overview and some guidance, you can use `guide` command to see this information.

```
C:\Administrator: C:\Windows\system32\cmd.exe - eShell.exe
Syntax: [<prefix>] [<command path>] <command> [<arguments>]
For example, to activate document protection enter:
      set      av document      status      enabled

Operation
The command may or may not support any of the operations. Operations change the meaning of the command. For example get av status returns the status of antivirus protection while set av status enabled enables antivirus protection.
An example of a command with no prefix is exit.

Available are the following operations:
      get      set      select      add      remove
      clear    start    stop       pause     resume
      restore   send    import    export

For the meaning of the operation in relation to the specific command see help.
Enter: <command> ?

Command path
Commands are placed in contexts which form a tree structure. Context names are separated by a space. To navigate enter context name. To return to a higher level use the command .. .
-- More -- <ENTER - Line, SPACE - Page, X - End>
```

It shows you some basic examples of how to use eShell with Syntax, Prefix, Command path, Abbreviated forms, Aliases, etc. This is basically a quick guide to eShell.

**NOTE:** Commands are not case sensitive, you can use upper case (capital) or lower case letters and the command will execute regardless.

### 3.1.1 Usage

#### Syntax

Commands must be formatted in the correct syntax to function and can be composed of a prefix, context, arguments, options, etc. This is the general syntax used throughout the eShell:

[<prefix>] [<command path>] <command> [<arguments>]

Example (this activates document protection):

SET AV DOCUMENT STATUS ENABLED

SET - a prefix

AV DOCUMENT - path to a particular command, a context where this command belongs

STATUS - the command itself

ENABLED - an argument for the command

Using `HELP` or `?` with a command will display the syntax for that particular command. For example, `CLEANLEVEL HELP` will show you the syntax for `CLEANLEVEL` command:

#### SYNTAX:

```
[get] | restore cleanlevel
      set cleanlevel none | normal | strict
```

You may notice that `[get]` is in brackets. It designates that the prefix `get` is default for the `cleanlevel` command. This means that when you execute `cleanlevel` without specifying any prefix, it will actually use the default prefix (in this case `get cleanlevel`). Using commands without a prefix saves time when typing. Usually `get` is the default prefix for most commands, but you need to be sure what the default prefix is for particular command and that it is exactly what you want to execute.

**NOTE:** Commands are not case sensitive, you can use upper case (capital) or lower case letters and the command will execute regardless.

#### Prefix / Operation

A prefix is an operation. The `GET` prefix will give you information about how a certain feature of ESET File Security is configured or show you the status (such as `GET AV STATUS` will show you current protection status). The `SET` prefix will configure functionality or change its status (`SET AV STATUS ENABLED` will activate protection).

These are the prefixes that eShell lets you use. A command may or may not support any of the prefixes:

- GET - returns current setting/status
- SET - sets value/status
- SELECT - selects an item
- ADD - adds an item
- REMOVE - removes an item
- CLEAR - removes all items/files
- START - starts an action
- STOP - stops an action
- PAUSE - pauses an action
- RESUME - resumes an action
- RESTORE - restores default settings/object/file
- SEND - sends an object/file
- IMPORT - imports from a file
- EXPORT - exports to a file

Prefixes such as `GET` and `SET` are used with many commands, but some commands (such as `EXIT`) do not use a prefix.

### Command path / Context

Commands are placed in contexts which form a tree structure. The top level of the tree is root. When you run eShell, you are at the root level:

```
eShell>
```

You can either execute a command from here, or enter the context name to navigate within the tree. For example, when you enter `TOOLS` context, it will list all commands and sub-contexts that are available from here.

```
Administrator: C:\Windows\system32\cmd.exe - eshell
eShell>av
GET ANTISTEALTH      SET ANTISTEALTH      RESTORE ANTISTEALTH
GET CLEANLEVEL        SET CLEANLEVEL        RESTORE CLEANLEVEL
EMAIL                GET EXCLUSIONS        ADD EXCLUSIONS
REMOVE EXCLUSIONS    CLEAR EXCLUSIONS    GET EXTENSIONS
ADD EXTENSIONS       REMOVE EXTENSIONS    RESTORE EXTENSIONS
LIMITS               NETFILTER             OBJECTS
OPTIONS              OTHER                 REALTIME
GET SELFDEFENSE      SET SELFDEFENSE      RESTORE SELFDEFENSE
GET STATUS            SET STATUS            RESTORE STATUS
WEB

eShell av>_
```

Yellow items are commands you can execute and grey items are sub-contexts you can enter. A sub-context contains further commands.

If you need to return back to a higher level, use .. (two dots). For example, say you are here:

```
eShell av options>
```

type .. and it will get you up one level, to:

```
eShell av>
```

If you want to get back to root from `eShell av options>` (which is two levels lower from root), simply type ... (two dots and two dots separated by space). By doing so, you will get two levels up, which is root in this case. You can use this no matter how deep within the context tree you are. Use the appropriate number of .. as you need to get to the desired level.

The path is relative to the current context. If the command is contained in the current context, do not enter a path. For example, to execute `GET AV STATUS` enter:

- `GET AV STATUS` - if you are in the root context (command line shows `eShell>`)
- `GET STATUS` - if you are in the context `AV` (command line shows `eShell av>`)
- `.. GET STATUS` - if you are in the context `AV OPTIONS` (command line shows `eShell av options>`)

## Argument

An argument an action which is performed for a particular command. For example, command `CLEANLEVEL` can be used with following arguments:

- none - Do not clean
- normal - Standard cleaning
- strict - Strict cleaning

Another example are the arguments `ENABLED` or `DISABLED`, which are used to enable or disable a certain feature or functionality.

## Abbreviated form / Shortened commands

eShell allows you to shorten contexts, commands and arguments (provided the argument is a switch or an alternative option). It is not possible to shorten a prefix or argument that are concrete values such as a number, name or path.

Examples of the short form:

```
set status enabled    =>    set stat en
add av exclusions C:\path\file.ext    =>    add av exc C:\path\file.ext
```

In a case where two commands or contexts start with same letters (such as `ABOUT` and `AV`, and you enter `A` as shortened command), eShell will not be able to decide which command of these two you want to run. An error message will display and list commands starting with "A" which you can choose from:

```
eShell>a
The following command is not unique: a
```

The following commands are available in this context:

- `ABOUT` - Shows information about program
- `AV` - Changes to context av

By adding one or more letters (e.g. `AB` instead of just `A`) eShell will execute `ABOUT` command since it is unique now.

**NOTE:** When you want to be sure that a command executes the way you need, we recommend that you do not abbreviate commands, arguments, etc. and use the full form. This way it will execute exactly as you need and prevent unwanted mistakes. This is especially true for batch files / scripts.

## Aliases

An alias is an alternative name which can be used to execute a command (provided that the command has an alias assigned). There are few default aliases:

```
(global) help-?
(global) close-exit
(global) quit-exit
(global) bye-exit
warnlog-tools log events
virlog-tools log detections
```

"(global)" means that the command can be used anywhere regardless of current context. One command can have multiple aliases assigned, for example command `EXIT` has alias `CLOSE`, `QUIT` and `BYE`. When you want to exit eShell, you can use the `EXIT` command itself or any of its aliases. Alias `VIRLOG` is an alias for command `DETECTIONS` which is located in `TOOLS LOG` context. This way the detections command is available from `ROOT` context, making it easier to access (you don't have to enter `TOOLS` and then `LOG` context and run it directly from `ROOT`).

eShell allows you to define your own aliases. Click [here](#) to see how you can create an alias.

## Protected commands

Some commands are protected and can only be executed after entering a password. Read more about password-protected commands by clicking [here](#).

## Guide

When you run the `GUIDE` command, it will display a "first run" screen explaining how to use eShell. This command is available from the `ROOT` context (`eShell>`).

## Help

When the `HELP` command is used alone, it will list all available commands with prefixes as well as sub-contexts within the current context. It will also give you a short description to each command / sub-context. When you use

`HELP` as an argument with a particular command (e.g. `CLEANLEVEL HELP`), it will give you details for that command. It will display SYNTAX, OPERATIONS, ARGUMENTS and ALIASES for the command with a short description for each.

## Command history

eShell keeps history of previously executed commands. This applies only to the current eShell interactive session. Once you exit eShell, the command history will be dropped. Use the Up and Down arrow keys on your keyboard to navigate through the history. Once you find the command you were looking for, you can execute it again, or modify it without having to type in the entire command from the beginning.

## CLS / Clear screen

The `CLS` command can be used to clear screen. It works the same way as it does with Windows Command Prompt or similar command line interfaces.

## EXIT / CLOSE / QUIT / BYE

To close or exit eShell, you can use any of these commands (`EXIT`, `CLOSE`, `QUIT` or `BYE`).

### 3.1.2 Commands

This section lists all available eShell commands with description for each command.

**NOTE:** Commands are not case sensitive, you can use upper case (capital) or lower case letters and the command will execute regardless.

Commands contained within **ROOT** context:

## ABOUT

Lists information about the program. It shows name of the product installed, version number, installed components (including version number of each component) and basic information about the server and the operating system that ESET File Security is running on.

CONTEXT PATH:

```
root
```

## BATCH

Starts eShell batch mode. This is very useful when running batch files / scripts and we recommend using it with batch files. Put `START BATCH` as the first command in the batch file or script to enable batch mode. When you enable this function, no interactive input is prompted (e.g. entering a password) and missing arguments are replaced by defaults. This ensures that the batch file will not stop in the middle because eShell is expecting the user to do something. This way the batch file should execute without stopping (unless there is an error or the commands within the batch file are incorrect).

CONTEXT PATH:

```
root
```

SYNTAX:

```
[start] batch
```

OPERATIONS:

```
start - Starts eShell in batch mode
```

CONTEXT PATH:

```
root
```

EXAMPLES:

```
start batch - Starts eShell batch mode
```

## CONNECT

Connects to the ESET kernel.

CONTEXT PATH:

```
root
```

## GUIDE

Displays first run screen.

### CONTEXT PATH:

root

## PASSWORD

Normally, to execute password-protected commands, you are prompted to type in a [password](#) for security reasons. This applies to commands such as those that disable antivirus protection and those that may affect ESET File Security functionality. You will be prompted for password every time you execute such command. You can define this password in order to avoid entering password every time. It will be remembered by eShell and automatically be used when a password-protected command is executed. This means that you do not have to enter the password every time.

**NOTE:** Defined password works only for the current eShell interactive session. Once you exit eShell, this defined password will be dropped. When you start eShell again, the password needs to be defined again.

This defined password is also very useful when running batch files / scripts. Here is an example of a such batch file:

```
eshell start batch "&" set password plain <yourpassword> "&" set status disabled
```

This concatenated command above starts a batch mode, defines password which will be used and disables protection.

### CONTEXT PATH:

root

## SYNTAX:

```
[get] | restore password  
set password [plain <password>]
```

## OPERATIONS:

- get - Show password
- set - Set or clear password
- restore - Clear password

## ARGUMENTS:

- plain - Switch to enter password as parameter
- password - Password

## EXAMPLES:

```
set password plain <yourpassword> - Sets a password which will be used for password-protected commands  
restore password - Clears password
```

## EXAMPLES:

get password - Use this to see whether the password is configured or not (this is only shows only stars "\*\*\*", does not list the password itself), when no stars are visible, it means that there is no password set

```
set password plain <yourpassword> - Use this to set defined password  
restore password - This command clears defined password
```

## STATUS

Shows information about the current protection status of ESET File Security (similar to GUI).

### CONTEXT PATH:

root

## SYNTAX:

```
[get] | restore status  
set status disabled | enabled
```

## OPERATIONS:

get - Show antivirus protection status  
set - Disable/Enable antivirus protection  
restore - Restores default settings

## ARGUMENTS:

disabled - Disable antivirus protection  
enabled - Enable antivirus protection

## EXAMPLES:

```
get status - Shows current protection status  
set status disabled - Disables protection  
restore status - Restores protection to default setting (Enabled)
```

## VIRLOG

This is an alias of the `DETECTIONS` command. It is useful when you need to view information about detected infiltrations. Click [here](#) to see details about this command and how to use it.

## WARNLOG

This is an alias of the `EVENTS` command. It is useful when you need to view information about various events. Click [here](#) to see details about this command and how to use it.

### 3.1.2.1 Context - AV

#### ANTISTEALTH

Enable Anti-Stealth.

## SYNTAX:

```
[get] | restore antistealth  
set antistealth disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## CLEANLEVEL

Cleaning level.

## SYNTAX:

```
[get] | restore cleanlevel  
set cleanlevel none | normal | strict
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`none` - Do not clean  
`normal` - Standard cleaning  
`strict` - Strict cleaning

## EXCLUSIONS

Exclusions.

## SYNTAX:

```
[get] | clear exclusions  
add | remove exclusions <exclusion>
```

## OPERATIONS:

`get` - Returns current setting/status  
`add` - Add item  
`remove` - Removes item

## ARGUMENTS:

`exclusion` - Excluded file/folder/mask

## EXTENSIONS

Scanned/excluded extensions.

## SYNTAX:

```
[get] | restore extensions  
add | remove extensions <extension> | /all | /extless
```

## OPERATIONS:

`get` - Returns current setting/status  
`add` - Add item  
`remove` - Removes item  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`extension` - Extension  
`all` - All files  
`extless` - Extensionless files

## RESTART

Restarts the ESET kernel.

## SYNTAX:

```
restart
```

## SELFDEFENSE

Self-defense.

#### SYNTAX:

```
[get] | restore selfdefense  
set selfdefense disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### STATUS

Antivirus protection status.

#### SYNTAX:

```
[get] | restore status  
set status disabled | enabled
```

#### OPERATIONS:

`get` - Show antivirus protection status  
`set` - Disable/Enable antivirus protection  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disable antivirus protection  
`enabled` - Enable antivirus protection

### 3.1.2.2 Context - AV EMAIL

#### CLIENTS

Email clients.

#### SYNTAX:

```
[ get ] clients  
add | remove clients <path>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item

#### ARGUMENTS:

`path` - Application path

With filtering by application only, you must specify which applications serve as email clients. If an application is not marked as an email client, email may not be scanned.

### **3.1.2.3 Context - AV EMAIL GENERAL**

#### **CLEANLEVEL**

Cleaning level.

SYNTAX:

```
[get] | restore cleanlevel  
set cleanlevel none | normal | strict
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`none` - Do not clean  
`normal` - Standard cleaning  
`strict` - Strict cleaning

#### **EXTENSIONS**

Scanned/excluded extensions.

SYNTAX:

```
[get] | restore extensions  
add | remove extensions <extension> | /all | /extless
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Add item  
`remove` - Removes item  
`restore` - Restores default settings/object/file

ARGUMENTS:

`extension` - Extension  
`all` - All files  
`extless` - Extensionless files

### **3.1.2.4 Context - AV EMAIL GENERAL LIMITS ARCHIVE**

#### **LEVEL**

Archive nesting level.

SYNTAX:

```
[get] | restore level  
set level <number>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Level from 1 to 20 or 0 for default settings

#### SIZE

Maximum size of file in archive (kB).

#### SYNTAX:

```
[get] | restore size  
set size <number>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Size in kB or 0 for default settings

### 3.1.2.5 Context - AV EMAIL GENERAL LIMITS OBJECTS

#### SIZE

Maximum archive size (kB).

#### SYNTAX:

```
[get] | restore size  
set size <number>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Size in kB or 0 for default settings

#### TIMEOUT

Maximum scan time for archives (sec.).

#### SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Time in seconds or 0 for default settings

### **3.1.2.6 Context - AV EMAIL GENERAL OBJECTS**

#### **ARCHIVE**

Scan archives.

SYNTAX:

```
[get] | restore archive  
set archive disabled | enabled
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

```
disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting
```

#### **EMAIL**

Scan email files.

SYNTAX:

```
[get] | restore email  
set email disabled | enabled
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

```
disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting
```

#### **RUNTIME**

Scan runtime packers.

SYNTAX:

```
[get] | restore runtime  
set runtime disabled | enabled
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

```
disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting
```

#### **SFX**

Scan self-extracting archives.

#### SYNTAX:

```
[get] | restore sfx  
set sfx disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### 3.1.2.7 Context - AV EMAIL GENERAL OPTIONS

#### ADVHEURISTICS

Use advanced heuristics.

#### SYNTAX:

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### HEURISTICS

Use heuristics.

#### SYNTAX:

```
[get] | restore heuristics  
set heuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### UNSAFE

Detection of potentially unsafe applications.

## SYNTAX:

```
[get] | restore unsafe  
set unsafe disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## UNWANTED

Detection of potentially unwanted applications.

## SYNTAX:

```
[get] | restore unwanted  
set unwanted disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## 3.1.2.8 Context - AV EMAIL GENERAL OTHER

### LOGALL

Log all objects.

## SYNTAX:

```
[get] | restore logall  
set logall disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### OPTIMIZE

Smart optimization.

## SYNTAX:

```
[get] | restore optimize  
set optimize disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.9 Context - AV EMAIL PROTOCOL POP3

#### COMPATIBILITY

Compatibility setup.

#### SYNTAX:

```
[get] | restore compatibility  
set compatibility compatible | both | effective
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

compatible - Maximum compatibility level  
both - Medium compatibility level  
effective - Maximum efficiency

Not all email clients may work properly in conjunction with POP3 filtering in standard mode. The following settings allow adjustment of the compatibility level to resolve potential conflicts. However, increasing the compatibility level may lead to decreased efficiency of the Internet Monitor, or inability to take advantage of all its features.

#### PORNS

Ports used by POP3.

#### SYNTAX:

```
[get] | restore ports  
set ports [<string>]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

string - Port numbers separated by a comma

#### USE

Check POP3.

#### SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### 3.1.2.10 Context - AV EMAIL PROTOCOL POP3S

#### COMPATIBILITY

Compatibility setup.

#### SYNTAX:

```
[get] | restore compatibility  
set compatibility compatible | both | effective
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`compatible` - Maximum compatibility level  
`both` - Medium compatibility level  
`effective` - Maximum efficiency

Not all email clients may work properly in conjunction with POP3S filtering in standard mode. The following settings allow adjustment of the compatibility level to resolve potential conflicts. However, increasing the compatibility level may lead to decreased efficiency of the Internet Monitor, or inability to take advantage of all its features.

#### MODE

POP3S filtering mode.

#### SYNTAX:

```
[get] | restore mode  
set mode none | ports | clients
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`none` - Do not use POP3S protocol checking  
`ports` - Use POP3S protocol checking for selected ports  
`clients` - Use POP3S protocol checking for applications marked as email

## PORTS

Ports used by POP3.

### SYNTAX:

```
[get] | restore ports  
set ports [<string>]
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`string` - Port numbers separated by a comma

## 3.1.2.11 Context - AV LIMITS ARCHIVE

### LEVEL

Archive nesting level.

### SYNTAX:

```
[get] | restore level  
set level <number>
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`number` - Level from 1 to 20 or 0 for default settings

### SIZE

Maximum size of file in archive (kB).

### SYNTAX:

```
[get] | restore size  
set size <number>
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`number` - Size in kB or 0 for default settings

### **3.1.2.12 Context - AV LIMITS OBJECTS**

#### **SIZE**

Maximum archive size (kB).

SYNTAX:

```
[get] | restore size  
set size <number>
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

number - Size in kB or 0 for default settings

#### **TIMEOUT**

Maximum scan time for archives (sec.).

SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

number - Time in seconds or 0 for default settings

### **3.1.2.13 Context - AV NETFILTER**

#### **AUTOSTART**

Run HTTP and POP3 application protocol content filtering automatically.

SYNTAX:

```
[get] | restore autostart  
set autostart disabled | enabled
```

OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

ARGUMENTS:

```
disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting
```

#### **EXCLUDED**

Applications excluded from protocol filtering.

#### SYNTAX:

```
[get] excluded  
add | remove excluded <path>
```

#### OPERATIONS:

get - Returns current setting/status

add - Add item

remove - Removes item

#### ARGUMENTS:

path - Applications path

#### MODE

Redirect traffic for filtering.

#### SYNTAX:

```
[get] | restore mode  
set mode ports | application | both
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

ports - HTTP and POP3 ports

application - Applications marked as Internet browsers or email clients

both - Ports and applications marked as Internet browsers or email clients

#### STATUS

Enable HTTP and POP3 application protocol content filtering.

#### SYNTAX:

```
[get] | restore status  
set status disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.14 Context - AV NETFILTER PROTOCOL SSL

#### BLOCKSSL2

Block encrypted communication utilizing the obsolete protocol SSL v2.

SYNTAX:

```
[get] | restore blockssl2  
set blockssl2 disabled | enabled
```

OPERATIONS:

- get - Returns current setting/status
- set - Sets value/status
- restore - Restores default settings/object/file

ARGUMENTS:

- disabled - Disables function/deactivates setting
- enabled - Enables function/activates setting

#### EXCEPTIONS

Apply created exceptions based on certificates.

SYNTAX:

```
[get] | restore exceptions  
set exceptions disabled | enabled
```

OPERATIONS:

- get - Returns current setting/status
- set - Sets value/status
- restore - Restores default settings/object/file

ARGUMENTS:

- disabled - Disables function/deactivates setting
- enabled - Enables function/activates setting

#### MODE

SSL filtering mode.

SYNTAX:

```
[get] | restore mode  
set mode allways | ask | none
```

OPERATIONS:

- get - Returns current setting/status
- set - Sets value/status
- restore - Restores default settings/object/file

ARGUMENTS:

- allways - Always use SSL checking
- ask - Ask about non-visited sites (exclusions can be set)
- none - Do not use SSL protocol checking

### 3.1.2.15 Context - AV NETFILTER PROTOCOL SSL CERTIFICATE

#### ADDTOBROWSERS

Add the root certificate to known browsers.

##### SYNTAX:

```
[get] | restore addtobrowsers  
set addtobrowsers disabled | enabled
```

##### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

##### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

**NOTE:** To properly check SSL-encrypted traffic, the root certificate for ESET, spol. s.r.o used to sign certificates will be added to the Trusted Root Certification Authorities (TRCA) certificate store.

#### EXCLUDED

List of certificates excluded from content filtering.

##### SYNTAX:

```
[get] excluded  
remove excluded <name>
```

##### OPERATIONS:

`get` - Returns current setting/status  
`remove` - Removes item

##### ARGUMENTS:

`name` - Certificate name

#### NOTTRUSTED

Not trusted if the certificate is invalid or corrupt.

##### SYNTAX:

```
[get] | restore nottrusted  
set nottrusted ask | block
```

##### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

##### ARGUMENTS:

`ask` - Ask about certificate validity  
`block` - Block communication that uses the certificate

#### TRUSTED

List of trusted certificates.

SYNTAX:

```
[get] trusted  
remove trusted <name>
```

OPERATIONS:

get - Returns current setting/status

remove - Removes item

ARGUMENTS:

name - Certificate name

## UNKNOWNROOT

Unknown root - if the certificate cannot be verified using the TRCA certificate store.

SYNTAX:

```
[get] | restore unknownroot  
set unknownroot ask | block
```

OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

ARGUMENTS:

ask - Ask about certificate validity

block - Block communication that uses the certificate

### 3.1.2.16 Context - AV OBJECTS

#### ARCHIVE

Scan archives.

SYNTAX:

```
[get] | restore archive  
set archive disabled | enabled
```

OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

#### BOOT

Scan boot sectors.

SYNTAX:

```
[get] | restore boot
```

```
set boot disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### EMAIL

Scan email files.

#### SYNTAX:

```
[get] | restore email
```

```
set email disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### FILE

Scan files.

#### SYNTAX:

```
[get] | restore file
```

```
set file disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### MEMORY

Scan memory.

#### SYNTAX:

```
[get] | restore memory
```

```
set memory disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### RUNTIME

Scan runtime packers.

#### SYNTAX:

```
[get] | restore runtime  
set runtime disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### SFX

Scan self-extracting archives.

#### SYNTAX:

```
[get] | restore sfx  
set sfx disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### 3.1.2.17 Context - AV OPTIONS

#### ADVHEURISTICS

Use advanced heuristics.

#### SYNTAX:

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### ADWARE

Detection of Adware/Spyware/Riskware.

#### SYNTAX:

```
[get] | restore adware  
set adware disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### HEURISTICS

Use heuristics.

#### SYNTAX:

```
[get] | restore heuristics  
set heuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### SIGNATURES

Use signatures.

#### SYNTAX:

```
[get] | restore signatures  
set signatures disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

#### UNSAFE

Detection of potentially unsafe applications.

#### SYNTAX:

```
[get] | restore unsafe  
  
set unsafe disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

#### UNWANTED

Detection of potentially unwanted applications.

#### SYNTAX:

```
[get] | restore unwanted  
  
set unwanted disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.18 Context - AV OTHER

#### LOGALL

Log all objects.

#### SYNTAX:

```
[get] | restore logall  
  
set logall disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

## OPTIMIZE

Smart optimization.

### SYNTAX:

```
[get] | restore optimize  
set optimize disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

## 3.1.2.19 Context - AV REALTIME

### AUTOSTART

Start real-time protection automatically.

### SYNTAX:

```
[get] | restore autostart  
set autostart disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### CLEANLEVEL

Cleaning level

### SYNTAX:

```
[get] | restore cleanlevel  
set cleanlevel none | normal | strict
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

### ARGUMENTS:

none - Do not clean

normal - Standard cleaning

strict - Strict cleaning

## EXTENSIONS

Scanned/excluded extensions.

### SYNTAX:

```
[get] | restore extensions  
add | remove extensions <extension> | /all | /extless
```

### OPERATIONS:

get - Returns current setting/status

add - Add item

remove - Removes item

restore - Restores default settings/object/file

### ARGUMENTS:

extension - Extension

all - All files

extless - Extensionless files

## STATUS

Real-time computer protection status.

### SYNTAX:

```
[get] | restore status  
set status disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

## 3.1.2.20 Context - AV REALTIME DISK

### FLOPPY

Scan removable media.

### SYNTAX:

```
[get] | restore floppy  
set floppy disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

## LOCAL

Scan local drives.

### SYNTAX:

```
[get] | restore local
```

```
set local disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

## NETWORK

Scan network drives.

### SYNTAX:

```
[get] | restore network
```

```
set network disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.21 Context - AV REALTIME EVENT

#### CREATE

Scan files on creation.

### SYNTAX:

```
[get] | restore create
```

```
set create disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## EXECUTE

Scan files on execution.

### SYNTAX:

```
[get] | restore execute  
set execute disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## FLOPPYACCESS

Scan on floppy access.

### SYNTAX:

```
[get] | restore floppyaccess  
set floppyaccess disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## OPEN

Scan files on opening.

### SYNTAX:

```
[get] | restore open  
set open disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## **SHUTDOWN**

Scan on computer shutdown.

### **SYNTAX:**

```
[get] | restore shutdown  
set shutdown disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## **3.1.2.22 Context - AV REALTIME EXECUTABLE**

### **ADVHEURISTICS**

Enable advanced heuristics on file execution.

### **SYNTAX:**

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## **3.1.2.23 Context - AV REALTIME EXECUTABLE FROMREMOVABLE**

### **ADVHEURISTICS**

Enable advanced heuristics on file execution from removable media.

### **SYNTAX:**

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## EXCLUSION

USB drive exclusions.

### SYNTAX:

```
[get] | restore exclusion  
select exclusion none | <drive> | all
```

### OPERATIONS:

`get` - Returns current setting/status  
`select` - Selects item  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`none` - Deselect all drives  
`drive` - Letter of a drive to select/deselect  
`all` - Select all drives

**NOTE:** Use this option to allow exceptions from scanning using Advanced heuristics on file execution. Advanced heuristics settings for hard drives will be applied to selected devices.

### 3.1.2.24 Context - AV REALTIME LIMITS ARCHIVE

#### LEVEL

Archive nesting level.

### SYNTAX:

```
[get] | restore level  
set level <number>
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`number` - Level from 1 to 20 or 0 for default settings

#### SIZE

Maximum size of file in archive (kB).

### SYNTAX:

```
[get] | restore size  
set size <number>
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

number - Size in kB or 0 for default settings

### 3.1.2.25 Context - AV REALTIME LIMITS OBJECTS

#### SIZE

Maximum archive size (kB).

SYNTAX:

```
[get] | restore size  
set size <number>
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

number - Size in kB or 0 for default settings

#### TIMEOUT

Maximum scan time for archives (sec.).

SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

number - Time in seconds or 0 for default settings

### 3.1.2.26 Context - AV REALTIME OBJECTS

#### ARCHIVE

Scan archives.

SYNTAX:

```
[get] | restore archive  
set archive disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## **BOOT**

Scan boot sectors.

SYNTAX:

```
[get] | restore boot  
set boot disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## **EMAIL**

Scan email files.

SYNTAX:

```
[get] | restore email  
set email disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## **FILE**

Scan files.

SYNTAX:

```
[get] | restore file  
set file disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## **MEMORY**

Scan memory.

## SYNTAX:

```
[get] | restore memory  
set memory disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## RUNTIME

Scan runtime packers.

## SYNTAX:

```
[get] | restore runtime  
set runtime disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## SFX

Scan self-extracting archives.

## SYNTAX:

```
[get] | restore sfx  
set sfx disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **3.1.2.27 Context - AV REALTIME ONWRITE**

#### **ADVHEURISTICS**

Enable advanced heuristics for new and modified files.

##### **SYNTAX:**

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

##### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

##### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### **RUNTIME**

Scan new and modified runtime archives.

##### **SYNTAX:**

```
[get] | restore runtime  
set runtime disabled | enabled
```

##### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

##### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### **SFX**

Scan new and modified self-extracting archives.

##### **SYNTAX:**

```
[get] | restore sfx  
set sfx disabled | enabled
```

##### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

##### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### 3.1.2.28 Context - AV REALTIME ONWRITE ARCHIVE

#### LEVEL

Archive nesting depth.

SYNTAX:

```
[get] | restore level  
set level <number>
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

number - Level (0 - 20)

#### SIZE

Maximum size of a scanned archived file (kB).

SYNTAX:

```
[get] | restore size  
set size <number>
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

number - Size (kB)

### 3.1.2.29 Context - AV REALTIME OPTIONS

#### ADVHEURISTICS

Use advanced heuristics.

SYNTAX:

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

#### ADWARE

Detection of Adware/Spyware/Riskware.

#### SYNTAX:

```
[get] | restore adware  
set adware disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### HEURISTICS

Use heuristics.

#### SYNTAX:

```
[get] | restore heuristics  
set heuristics disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### SIGNATURES

Use signatures.

#### SYNTAX:

```
[get] | restore signatures  
set signatures disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### UNSAFE

Detection of potentially unsafe applications.

#### SYNTAX:

```
[get] | restore unsafe  
set unsafe disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### UNWANTED

Detection of potentially unwanted applications.

#### SYNTAX:

```
[get] | restore unwanted  
set unwanted disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.30 Context - AV REALTIME OTHER

#### LOGALL

Log all objects.

#### SYNTAX:

```
[get] | restore logall  
set logall disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### OPTIMIZE

Smart optimization.

#### SYNTAX:

```
[get] | restore optimize
```

```
set optimize disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.31 Context - AV REALTIME REMOVABLE

#### BLOCK

Block removable media.

#### SYNTAX:

```
[get] | restore block
```

```
set block disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

#### EXCLUSION

Allowed removable media.

#### SYNTAX:

```
[get] | restore exclusion
```

```
select exclusion none | <drive> | all
```

#### OPERATIONS:

get - Returns current setting/status

select - Selects item

restore - Restores default settings/object/file

#### ARGUMENTS:

none - Deselect all drives

drive - Letter of a drive to select/deselect

all - Select all drives

**NOTE:** Use this option to enable access to removable media (CD, floppy disks, USB drives). Marking a media results in removing access restrictions when attempting to access that specific media.

### 3.1.2.32 Context - AV WEB

#### BROWSERS

Internet browsers.

#### SYNTAX:

```
[get] browsers  
add | remove browsers <path>
```

#### OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item

#### ARGUMENTS:

path - Applications path

**NOTE:** To increase security, we recommend that you mark any application used as an Internet browser by checking the appropriate box. If an application is not marked as a web browser, data transferred using that application may not be scanned.

#### CLEANLEVEL

Cleaning level.

#### SYNTAX:

```
[get] | restore cleanlevel  
set cleanlevel none | normal | strict
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

none - Do not clean  
normal - Standard cleaning  
strict - Strict cleaning

#### EXTENSIONS

Scanned/excluded extensions.

#### SYNTAX:

```
[get] | restore extensions  
add | remove extensions <extension> | /all | /extless
```

#### OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item  
restore - Restores default settings/object/file

## ARGUMENTS:

extension - Extension

all - All files

extless - Extensionless files

## STATUS

Web access protection.

## SYNTAX:

```
[get] | restore status
```

```
set status disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.33 Context - AV WEB ADDRESSMGMT

## ADDRESS

Address management in the selected list.

## SYNTAX:

```
[get] | clear address
```

```
add | remove address <address>
```

```
import | export address <path>
```

## OPERATIONS:

get - Returns current setting/status

add - Add item

remove - Removes item

import - Imports from file

export - Exports to file

clear - Removes all items/files

## ARGUMENTS:

address - Address

path - File path

## LIST

Address list management.

## SYNTAX:

```
[get] | restore list
```

```
set list <listname> disabled | enabled
```

```
select | remove list <listname>  
add list allowed <listname> | blocked <listname> | excluded <listname>
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
select - Select for editing  
add - Add item  
remove - Removes item

#### ARGUMENTS:

listname - List name  
disabled - Do not use list  
enabled - Use list  
allowed - List of allowed addresses  
blocked - List of blocked addresses  
excluded - List of addresses excluded from filtering

**NOTE:** To edit the selected list (marked with - x) use the av web addressmgmt address command.

### NOTIFY

Notify when applying address from the list.

#### SYNTAX:

```
[get] | restore notify  
set notify disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### WHITELISTED

Allow access only to HTTP addresses in the list of allowed addresses.

#### SYNTAX:

```
[get] | restore whitelisted  
set whitelisted disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.34 Context - AV WEB LIMITS ARCHIVE

#### LEVEL

Archive nesting level.

SYNTAX:

```
[get] | restore level  
set level <number>
```

OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

ARGUMENTS:

number - Level from 1 to 20 or 0 for default settings

#### SIZE

Maximum size of file in archive (kB).

SYNTAX:

```
[get] | restore size  
set size <number>
```

OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

ARGUMENTS:

number - Size in kB or 0 for default settings

### 3.1.2.35 Context - AV WEB LIMITS OBJECTS

#### SIZE

Maximum archive size (kB).

SYNTAX:

```
[get] | restore size  
set size <number>
```

OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

ARGUMENTS:

number - Size in kB or 0 for default settings

## **TIMEOUT**

Maximum scan time for archives (sec.).

### **SYNTAX:**

```
[get] | restore timeout  
set timeout <number>
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`number` - Time in seconds or 0 for default settings

## **3.1.2.36 Context - AV WEB OBJECTS**

### **ARCHIVE**

Scan archives.

### **SYNTAX:**

```
[get] | restore archive  
set archive disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **BOOT**

Scan boot sectors.

### **SYNTAX:**

```
[get] | restore boot  
set boot disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **EMAIL**

Scan email files.

## SYNTAX:

```
[get] | restore email  
set email disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## FILE

Scan files.

## SYNTAX:

```
[get] | restore file  
set file disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## MEMORY

Scan memory.

## SYNTAX:

```
[get] | restore memory  
set memory disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## RUNTIME

Scan runtime packers.

## SYNTAX:

```
[get] | restore runtime
```

```
set runtime disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### SFX

Scan self-extracting archives.

#### SYNTAX:

```
[get] | restore sfx
```

```
set sfx disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.37 Context - AV WEB OPTIONS

#### ADVHEURISTICS

Use advanced heuristics.

#### SYNTAX:

```
[get] | restore advheuristics
```

```
set advheuristics disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

#### ADWARE

Detection of Adware/Spyware/Riskware.

#### SYNTAX:

```
[get] | restore adware
```

```
set adware disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## HEURISTICS

Use heuristics.

## SYNTAX:

```
[get] | restore heuristics  
set heuristics disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## SIGNATURES

Use signatures.

## SYNTAX:

```
[get] | restore signatures  
set signatures disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## UNSAFE

Detection of potentially unsafe applications.

## SYNTAX:

```
[get] | restore unsafe  
set unsafe disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### UNWANTED

Detection of potentially unwanted applications.

#### SYNTAX:

```
[get] | restore unwanted  
set unwanted disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### 3.1.2.38 Context - AV WEB OPTIONS BROWSERS

#### ACTIVEMODE

Active mode for Internet browsers.

#### SYNTAX:

```
[get] activemode  
add | remove activemode <path>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Add item

`remove` - Removes item

#### ARGUMENTS:

`path` - Applications path

**NOTE:** Programs added to the list are automatically added to the Internet browsers list.

### **3.1.2.39 Context - AV WEB OTHER**

#### **LOGALL**

Log all objects.

SYNTAX:

```
[get] | restore logall  
set logall disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### **OPTIMIZE**

Smart optimization.

SYNTAX:

```
[get] | restore optimize  
set optimize disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **3.1.2.40 Context - AV WEB PROTOCOL HTTP**

#### **PORTS**

Ports used by HTTP.

SYNTAX:

```
[get] | restore ports  
set ports [<string>]
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`string` - Port numbers separated by a colon

## USE

Scan HTTP.

### SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## 3.1.2.41 Context - AV WEB PROTOCOL HTTPS

### MODE

HTTPS filtering mode.

### SYNTAX:

```
[get] | restore mode  
set mode none | ports | browsers
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`none` - Do not use protocol checking  
`ports` - Use HTTPS protocol checking for selected ports  
`browsers` - Use HTTPS protocol checking for applications marked as browsers that use selected ports

### PORNS

Ports used by HTTPS protocol.

### SYNTAX:

```
[get] | restore ports  
set ports [<string>]
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`string` - Port numbers delimited by a comma

### **3.1.2.42 Context - GENERAL**

#### **CONFIG**

Import/export settings.

SYNTAX:

```
import | export config <path>
```

OPERATIONS:

import - Imports from file

export - Exports to file

ARGUMENTS:

`path` - File path

#### **LICENSE**

License management.

SYNTAX:

```
[get] license  
import license <path>  
export license <ID> <path>  
remove license <ID>
```

OPERATIONS:

`get` - Returns current setting/status

`remove` - Removes item

`import` - Imports from file

`export` - Exports to file

ARGUMENTS:

`path` - License file path

`ID` - License ID

### **3.1.2.43 Context - GENERAL ACCESS**

#### **ADMIN**

Administrator rights settings protection.

SYNTAX:

```
[get] | restore admin  
set admin disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## BATCH

Execute commands entered as arguments when eShell is running.

### SYNTAX:

```
[get] | restore batch  
set batch disabled | <time> | always
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disabled  
`time` - Time interval in minutes (1 - 1440 minutes)  
`always` - Always

## PASSWORD

This password is used for password-protected commands. Normally, to execute a password-protected commands you are prompted to type in a password. This is for security reasons. It applies to commands such as those that disable antivirus protection and those that may affect ESET File Security functionality. You will be prompted for password every time you execute such command. Alternatively, you can define this password for your current eShell session and you will not be prompted to enter password. For more details click [here](#).

For interactive password input (recommended) leave parameters empty. To reset password enter empty password.

### CONTEXT PATH:

```
general access
```

### SYNTAX:

```
[get] | restore | set password
```

### OPERATIONS:

`get` - Show password  
`set` - Set password  
`restore` - Reset password

### EXAMPLES:

`get password` - Use this to see whether the password is configured or not (this is only shows only stars "/\*", does not list the password itself), when no stars are visible, it means that there is no password set

`set password` - Use this to set password, simply enter your password (if no password is entered, settings protection is not used)

`restore password` - This command clears existing password (settings protection will not be used)

### GUI EQUIVALENT:

[click here](#) to see how this is configured via GUI

### 3.1.2.44 Context - GENERAL ESHELL

#### ALIAS

Alias management.

SYNTAX:

```
[get] | clear | restore alias  
add alias [.] <alias>=<command>  
remove alias <alias>  
import | export alias <path>
```

OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item  
import - Imports from file  
export - Exports to file  
restore - Restores default settings/object/file

ARGUMENTS:

. - Create global alias  
alias - New alias  
command - Associated command (command validity not checked)  
alias - Alias to delete  
path - File path

#### LISTER

Use lister.

SYNTAX:

```
[get] | restore lister  
set lister disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.45 Context - GENERAL ESHELL COLOR

#### ALIAS

Alias color.

#### SYNTAX:

```
[get] | restore alias  
  
set alias [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red  
| magenta | yellow | white]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

black - Black

navy - Navy blue

grass - Grass green

ltblue - Light blue

brown - Brown

purple - Purple

olive - Olive green

ltgray - Light gray

gray - Gray

blue - Blue

green - Green

cyan - Cyan

red - Red

magenta - Magenta

yellow - Yellow

white - White

#### COMMAND

Command color.

#### SYNTAX:

```
[get] | restore command  
  
set command [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan |  
red | magenta | yellow | white]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

black - Black  
navy - Navy blue  
grass - Grass green  
ltblue - Light blue  
brown - Brown  
purple - Purple  
olive - Olive green  
ltgray - Light gray  
gray - Gray  
blue - Blue  
green - Green  
cyan - Cyan  
red - Red  
magenta - Magenta  
yellow - Yellow  
white - White

## CONTEXT

Context color.

## SYNTAX:

```
[get] | restore context

set context [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red | magenta | yellow | white]
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

black - Black  
navy - Navy blue  
grass - Grass green  
ltblue - Light blue  
brown - Brown  
purple - Purple  
olive - Olive green  
ltgray - Light gray  
gray - Gray  
blue - Blue  
green - Green

cyan - Cyan

red - Red

magenta - Magenta

yellow - Yellow

white - White

## DEFAULT

Base color.

### SYNTAX:

```
[get] | restore default
```

```
set default [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red | magenta | yellow | white]
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

### ARGUMENTS:

black - Black

navy - Navy blue

grass - Grass green

ltblue - Light blue

brown - Brown

purple - Purple

olive - Olive green

ltgray - Light gray

gray - Gray

blue - Blue

green - Green

cyan - Cyan

red - Red

magenta - Magenta

yellow - Yellow

white - White

## DISABLED

N/A color.

### SYNTAX:

```
[get] | restore disabled
```

```
set disabled [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red | magenta | yellow | white]
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`black` - Black  
`navy` - Navy blue  
`grass` - Grass green  
`ltblue` - Light blue  
`brown` - Brown  
`purple` - Purple  
`olive` - Olive green  
`ltgray` - Light gray  
`gray` - Gray  
`blue` - Blue  
`green` - Green  
`cyan` - Cyan  
`red` - Red  
`magenta` - Magenta  
`yellow` - Yellow  
`white` - White

#### ERROR

Color of error messages.

#### SYNTAX:

```
[get] | restore error

set error [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan |
red | magenta | yellow | white]
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`black` - Black  
`navy` - Navy blue  
`grass` - Grass green  
`ltblue` - Light blue  
`brown` - Brown  
`purple` - Purple  
`olive` - Olive green  
`ltgray` - Light gray

gray - Gray  
blue - Blue  
green - Green  
cyan - Cyan  
red - Red  
magenta - Magenta  
yellow - Yellow  
white - White

## INTERACTIVE

Interactive operations color.

### SYNTAX:

```
[get] | restore interactive

set interactive [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green |
cyan | red | magenta | yellow | white]
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

### ARGUMENTS:

black - Black  
navy - Navy blue  
grass - Grass green  
ltblue - Light blue  
brown - Brown  
purple - Purple  
olive - Olive green  
ltgray - Light gray  
gray - Gray  
blue - Blue  
green - Green  
cyan - Cyan  
red - Red  
magenta - Magenta  
yellow - Yellow  
white - White

## LIST1

List color1.

### SYNTAX:

```
[get] | restore list1
```

```
set list1 [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red | magenta | yellow | white]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

black - Black

navy - Navy blue

grass - Grass green

ltblue - Light blue

brown - Brown

purple - Purple

olive - Olive green

ltgray - Light gray

gray - Gray

blue - Blue

green - Green

cyan - Cyan

red - Red

magenta - Magenta

yellow - Yellow

white - White

## LIST2

List color 2.

#### SYNTAX:

```
[get] | restore list2
```

```
set list2 [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan | red | magenta | yellow | white]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

black - Black

navy - Navy blue

grass - Grass green

ltblue - Light blue

brown - Brown

`purple` - Purple  
`olive` - Olive green  
`ltgray` - Light gray  
`gray` - Gray  
`blue` - Blue  
`green` - Green  
`cyan` - Cyan  
`red` - Red  
`magenta` - Magenta  
`yellow` - Yellow  
`white` - White

## SUCCESS

Status OK color.

### SYNTAX:

```
[get] | restore success

set success [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan |
red | magenta | yellow | white]
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`black` - Black  
`navy` - Navy blue  
`grass` - Grass green  
`ltblue` - Light blue  
`brown` - Brown  
`purple` - Purple  
`olive` - Olive green  
`ltgray` - Light gray  
`gray` - Gray  
`blue` - Blue  
`green` - Green  
`cyan` - Cyan  
`red` - Red  
`magenta` - Magenta  
`yellow` - Yellow  
`white` - White

## WARNING

Color of warning messages.

#### SYNTAX:

```
[get] | restore warning  
  
set warning [black | navy | grass | ltblue | brown | purple | olive | ltgray | gray | blue | green | cyan |  
red | magenta | yellow | white]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

black - Black  
navy - Navy blue  
grass - Grass green  
ltblue - Light blue  
brown - Brown  
purple - Purple  
olive - Olive green  
ltgray - Light gray  
gray - Gray  
blue - Blue  
green - Green  
cyan - Cyan  
red - Red  
magenta - Magenta  
yellow - Yellow  
white - White

### 3.1.2.46 Context - GENERAL ESHELL OUTPUT

#### UTF8

UTF8 encoded output.

#### SYNTAX:

```
[get] | restore utf8  
  
set utf8 disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

`enabled` - Enables function/activates setting

**NOTE:** For correct display, command line should use a TrueType font like 'Lucida Console'.

### 3.1.2.47 Context - GENERAL ESHELL STARTUP

#### LOADCOMMANDS

Load all commands on startup.

SYNTAX:

```
[get] | restore loadcommands  
set loadcommands disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### STATUS

Display protection status on startup.

SYNTAX:

```
[get] | restore status  
set status disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### 3.1.2.48 Context - GENERAL ESHELL VIEW

#### CMDHELP

Display help on command failure.

SYNTAX:

```
[get] | restore cmdhelp  
set cmdhelp disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## COLORS

Use colors.

### SYNTAX:

```
[get] | restore colors  
  
set colors disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## FITWIDTH

Trim text to fit width.

### SYNTAX:

```
[get] | restore fitwidth  
  
set fitwidth disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## GLOBAL

Display global commands.

### SYNTAX:

```
[get] | restore global  
  
set global disabled | enabled
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## HIDDEN

Display hidden commands.

### SYNTAX:

```
[get] | restore hidden  
set hidden disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## OPERATIONS

Display operations in commands list.

### SYNTAX:

```
[get] | restore operations  
set operations disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## SHORTLIST

Display short command list on context change.

### SYNTAX:

```
[get] | restore shortlist  
set shortlist disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## SYNTAXHINT

Display command syntax hints.

#### SYNTAX:

```
[get] | restore syntaxhint  
set syntaxhint disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### VALUESONLY

Display only values without description.

#### SYNTAX:

```
[get] | restore valuesonly  
set valuesonly disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.49 Context - GENERAL PERFORMANCE

#### SCANNERS

Number of running scans.

#### SYNTAX:

```
[get] | restore scanners  
set scanners <number>
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

number - Count (1 - 20)

### **3.1.2.50 Context - GENERAL PROXY**

#### **ADDRESS**

Proxy server address.

#### **SYNTAX:**

```
[get] | restore address  
set address [<string>]
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`string` - Address

#### **DETECT**

Detects proxy server configuration.

#### **SYNTAX:**

```
detect
```

#### **LOGIN**

Login name.

#### **SYNTAX:**

```
[get] | restore login  
set login [<string>]  
  
OPERATIONS:  
get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file
```

#### **ARGUMENTS:**

`string` - Name

#### **PASSWORD**

Proxy server password.

#### **SYNTAX:**

```
[get] | restore password  
set password [plain <password>]
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`plain` - Switch to entering password as parameter

password - Password

## PORT

Port

SYNTAX:

```
[get] | restore port  
set port <number>
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

number - Port number

## USE

Use proxy server.

SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.51 Context - GENERAL QUARANTINE RESCAN

## UPDATE

Scan quarantined files after every update.

SYNTAX:

```
[get] | restore update  
set update disabled | enabled
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### **3.1.2.52 Context - GENERAL REMOTE**

#### **INTERVAL**

Connection interval (minutes).

SYNTAX:

```
[get] | restore interval  
set interval <number>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`number` - Time in minutes (1 - 1440)

#### **USE**

ERA Server connection.

SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **3.1.2.53 Context - GENERAL REMOTE SERVER PRIMARY**

#### **ADDRESS**

ERA Server address.

SYNTAX:

```
[get] | restore address  
set address [<string>]
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`string` - Address

#### **ENCRYPT**

Block uncrypted connection.

#### SYNTAX:

```
[get] | restore encrypt  
set encrypt disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### PASSWORD

ERA Server password.

#### SYNTAX:

```
[get] | restore password  
set password [plain <password>]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

plain - Switch to entering password as parameter  
password - Password

### PORT

ERA Server port.

#### SYNTAX:

```
[get] | restore port  
set port <number>
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

number - Port number

### **3.1.2.54 Context - GENERAL REMOTE SERVER SECONDARY**

#### **ADDRESS**

ERA Server address.

#### **SYNTAX:**

```
[get] | restore address  
set address [<string>]
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`string` - Address

#### **ENCRYPT**

Block uncrypted connection.

#### **SYNTAX:**

```
[get] | restore encrypt  
set encrypt disabled | enabled
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### **PASSWORD**

ERA Server password.

#### **SYNTAX:**

```
[get] | restore password  
set password [plain <password>]
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`plain` - Switch to entering password as parameter  
`password` - Password

#### **PORT**

ERA Server port.

## SYNTAX:

```
[get] | restore port  
set port <number>
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

number - Port number

### 3.1.2.55 Context - GENERAL TS.NET

## EXCLUSION

Exclude from submission.

## SYNTAX:

```
[get] | restore exclusion  
add | remove exclusion <exclusion>
```

## OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item  
restore - Restores default settings/object/file

## ARGUMENTS:

exclusion - Extension

## FROM

Contact e-mail.

## SYNTAX:

```
[get] | restore from  
set from [<string>]
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - E-mail address

## LOGING

Log creation.

## SYNTAX:

```
[get] | restore logging  
set logging disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## SENDING

Submission of suspicious files.

## SYNTAX:

```
[get] | restore sending  
set sending none | ask | auto
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

none - Do not submit  
ask - Confirm before sending for analysis  
auto - Send for analysis without confirmation

## VIA

Means of file submission.

## SYNTAX:

```
[get] | restore via  
set via auto | ra | direct
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

auto - By means of Remote Administrator or directly to ESET  
ra - By means of Remote Administrator  
direct - Directly to ESET

## WHEN

When to submit suspicious files.

## SYNTAX:

```
[get] | restore when  
set when asap | update
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`asap` - As soon as possible  
`update` - During update

### **3.1.2.56 Context - GENERAL TS.NET STATISTICS**

#### **SENDING**

Statistic information submission.

## SYNTAX:

```
[get] | restore sending  
set sending disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### **WHEN**

Submission of anonymous statistical information.

## SYNTAX:

```
[get] | restore when  
set when asap | update
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`asap` - As soon as possible  
`update` - During update

### 3.1.2.57 Context - SCANNER

#### CLEANLEVEL

Cleaning level.

SYNTAX:

```
[get] | restore cleanlevel  
set cleanlevel none | normal | strict
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

none - Do not clean  
normal - Standard cleaning  
strict - Strict cleaning

#### EXTENSIONS

Scanned/excluded extensions.

SYNTAX:

```
[get] | restore extensions  
add | remove extensions <extension> | /all | /extless
```

OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item  
restore - Restores default settings/object/file

ARGUMENTS:

extension - Extension  
all - All files  
extless - Extensionless files

#### PROFILE

Computer scan profile management.

SYNTAX:

```
[get] profile  
select | remove profile <name>  
add profile new: <name> [copyfrom: <name>]
```

OPERATIONS:

get - Returns current setting/status  
select - Selects item  
add - Add item

`remove` - Removes item

#### ARGUMENTS:

`name` - Profile name

`new` - New profile

`copyfrom` - Copy settings from profile

**NOTE:** Other context commands refer to the active profile (marked with - x). For the active profile selection use

`select scanner profile <profile name>.`

## SCAN

Computer scan.

#### SYNTAX:

```
[get] | clear scan  
start scan [readonly]  
pause | resume | stop scan <ID> | all
```

#### OPERATIONS:

`get` - Show running and completed scans

`start` - Run computer scan for the selected profile

`stop` - Stop scan

`resume` - Continue paused scan

`pause` - Pause scan

`clear` - Remove completed scans from list

#### ARGUMENTS:

`readonly` - Scan without cleaning

`ID` - Scan ID for command execution

`all` - Execute command for all scans

## TARGET

Scan targets for active profile.

#### SYNTAX:

```
[get] target  
add | remove target <path>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Add item

`remove` - Removes item

#### ARGUMENTS:

`path` - Path/Scan target

**NOTE:** For boot sector scan enter `x:\${Boot}` where 'x' is the name of scanned disk.

### **3.1.2.58 Context - SCANNER LIMITS ARCHIVE**

#### **LEVEL**

Archive nesting level.

#### **SYNTAX:**

```
[get] | restore level
set level <number>
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`number` - Level from 1 to 20 or 0 for default settings

#### **SIZE**

Maximum size of file in archive (kB).

#### **SYNTAX:**

```
[get] | restore size
set size <number>
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`number` - Size in kB or 0 for default settings

### **3.1.2.59 Context - SCANNER LIMITS OBJECTS**

#### **SIZE**

Maximum archive size (kB).

#### **SYNTAX:**

```
[get] | restore size
set size <number>
```

#### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### **ARGUMENTS:**

`number` - Size in kB or 0 for default settings

#### **TIMEOUT**

Maximum scan time for archives (sec.).

## SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

number - Time in seconds or 0 for default settings

### 3.1.2.60 Context - SCANNER OBJECTS

## ARCHIVE

Scan archives.

## SYNTAX:

```
[get] | restore archive  
set archive disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## BOOT

Scan boot sectors.

## SYNTAX:

```
[get] | restore boot  
set boot disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## EMAIL

Scan email files.

## SYNTAX:

```
[get] | restore email
```

```
set email disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### FILE

Scan files.

#### SYNTAX:

```
[get] | restore file
```

```
set file disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### MEMORY

Scan memory.

#### SYNTAX:

```
[get] | restore memory
```

```
set memory disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### RUNTIME

Scan runtime packers.

#### SYNTAX:

```
[get] | restore runtime
```

```
set runtime disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### SFX

Scan self-extracting archives.

#### SYNTAX:

```
[get] | restore sfx  
set sfx disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### 3.1.2.61 Context - SCANNER OPTIONS

#### ADVHEURISTICS

Use advanced heuristics.

#### SYNTAX:

```
[get] | restore advheuristics  
set advheuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### ADWARE

Detection of Adware/Spyware/Riskware.

#### SYNTAX:

```
[get] | restore adware  
set adware disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### HEURISTICS

Use heuristics.

#### SYNTAX:

```
[get] | restore heuristics
```

```
set heuristics disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### SIGNATURES

Use signatures.

#### SYNTAX:

```
[get] | restore signatures
```

```
set signatures disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### UNSAFE

Detection of potentially unsafe applications.

#### SYNTAX:

```
[get] | restore unsafe
```

```
set unsafe disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

#### UNWANTED

Detection of potentially unwanted applications.

#### SYNTAX:

```
[get] | restore unwanted  
  
set unwanted disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.62 Context - SCANNER OTHER

#### ADS

Scan alternate data streams (ADS).

#### SYNTAX:

```
[get] | restore ads  
  
set ads disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

#### LOGALL

Log all objects.

#### SYNTAX:

```
[get] | restore logall  
  
set logall disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## LOWPRIORITY

Run background scans with low priority.

### SYNTAX:

```
[get] | restore lowpriority  
set lowpriority disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## OPTIMIZE

Smart optimization.

### SYNTAX:

```
[get] | restore optimize  
set optimize disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## PRESERVETIME

Preserve last access timestamp.

### SYNTAX:

```
[get] | restore preservetime  
set preservetime disabled | enabled
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

## **SCROLL**

Scroll scan log.

### **SYNTAX:**

```
[get] | restore scroll  
set scroll disabled | enabled
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

## **3.1.2.63 Context - SERVER**

### **AUTOEXCLUSIONS**

Automatic exclusions management.

### **SYNTAX:**

```
[get] | restore autoexclusions  
select autoexclusions <server>
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`select` - Selects item  
`restore` - Restores default settings/object/file

### **ARGUMENTS:**

`server` - Server name

## **3.1.2.64 Context - TOOLS**

### **QUARANTINE**

Quarantine.

### **SYNTAX:**

```
[get] quarantine  
add quarantine <path>  
send | remove | restore quarantine <ID>
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`add` - Add item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`send` - Sends item/file

## ARGUMENTS:

path - File path

ID - Quarantined file ID

## STATISTICS

Statistics.

### SYNTAX:

```
[get] | clear statistics
```

## OPERATIONS:

get - Show statistics

clear - Reset statistics

## SYSINSPECTOR

SysInspector.

### SYNTAX:

```
[get] sysinspector
```

```
add | remove sysinspector <name>
```

```
export sysinspector <name> to:<path>
```

## OPERATIONS:

get - Returns current setting/status

add - Add item

remove - Removes item

export - Exports to file

## ARGUMENTS:

name - Comment

path - File name (.zip or .xml)

## 3.1.2.65 Context - TOOLS ACTIVITY

### FILESYSTEM

Filesystem.

### SYNTAX:

```
[get] filesystem [<count>] [seconds | minutes | hours [<year>-<month>]]
```

### NETWORK

Network activity.

### SYNTAX:

```
[get] network [<count>] [seconds | minutes | hours [<year>-<month>]]
```

## ARGUMENTS:

count - Number of records to show

seconds - Sampling 1 second

minutes - Sampling 1 minute

hours - Sampling 1 hour

`year` - Show records for year  
`month` - Show records for month

### 3.1.2.66 Context - TOOLS LOG

#### DETECTIONS

This is useful when you need to view information about detected infiltrations.

CONTEXT PATH:

`root`

SYNTAX:

```
[get] detections [count <number>] [from <year>-<month>-<day> <hour>:<minute>:<second>] [to <year>-<month>-<day> <hour>:<minute>:<second>]  
clear detections
```

OPERATIONS:

`get` - Returns current setting/status

`clear` - Removes all items/files

ARGUMENTS:

`count` - Show selected number of records

`number` - Number of records

`from` - Show records from the specified time

`year` - Year

`month` - Month

`day` - Day

`hour` - Hour

`minute` - Minute

`second` - Second

`to` - Show records until the selected time

ALIASES:

`virlog`

EXAMPLES:

```
get detections from 2011-04-14 01:30:00 - Displays all infiltrations detected after 14th of April 2011 01:30:00  
(when defining date, you need to include time as well for the command to work properly)
```

`clear detections` - Clears the whole log

#### EVENTS

This is useful when you need to view information about various events.

SYNTAX:

```
[get] events [count <number>] [from <year>-<month>-<day> <hour>:<minute>:<second>] [to <year>-<month>-<day>  
<hour>:<minute>:<second>]  
clear events
```

OPERATIONS:

`get` - Returns current setting/status

`clear` - Removes all items/files

## ARGUMENTS:

`count` - Show selected number of records  
`number` - Number of records  
`from` - Show records from the specified time  
`year` - Year  
`month` - Month  
`day` - Day  
`hour` - Hour  
`minute` - Minute  
`second` - Second  
`to` - Show records until the selected time

## ALIASES:

`warnlog`

## EXAMPLES:

```
get events from 2011-04-14 01:30:00 - Displays all events that occurred after 14th of April 2011 01:30:00 (when defining date, you need to include time as well for the command to work properly)
```

```
clear events - Clears the whole log
```

## FILTER

Minimum verbosity of events to display.

## SYNTAX:

```
[get] | restore filter  
set filter [[none] [critical] [errors] [warnings] [informative] [diagnostic] [all]] [smart]
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`none` - No records  
`critical` - Critical errors  
`errors` - Errors  
`warnings` - Warnings  
`informative` - Informative records  
`diagnostic` - Diagnostic records  
`all` - All records  
`smart` - Smart filtering

## SCANNERS

'Computer scan' log or log list.

## SYNTAX:

```
[get] scanners [id <id>] [count <number>] [from <year>-<month>-<day> <hour>:<minute>:<second>] [to <year>-
```

```
<month>-<day> <hour>:<minute>:<second>]
```

```
clear scanners
```

## OPERATIONS:

`get` - Returns current setting/status

`clear` - Removes all items/files

## ARGUMENTS:

`id` - Show computer scan details with ID

`id` - Scan ID

`count` - Show only selected number of records

`number` - Number of records

`from` - Show only records from the selected time

`year` - Year

`month` - Month

`day` - Day

`hour` - Hour

`minute` - Minute

`second` - Second

`to` - Show only records from the selected time

## VERBOSITY

Minimum logging verbosity.

## SYNTAX:

```
[get] | restore verbosity  
set verbosity critical | errors | warnings | informative | diagnostic
```

## OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

`critical` - Critical errors

`errors` - Errors

`warnings` - Warnings

`informative` - Informative records

`diagnostic` - Diagnostic records

### **3.1.2.67 Context - TOOLS LOG CLEANING**

#### **TIMEOUT**

Log record lifetime (days).

SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

number - Days (1 - 365)

#### **USE**

Automatic log deletion.

SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

### **3.1.2.68 Context - TOOLS LOG OPTIMIZE**

#### **LEVEL**

Optimization by exceeding the number of unused records (percentage).

SYNTAX:

```
[get] | restore level  
set level <number>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

number - Percentage of unused records (1 - 100)

#### **USE**

Automatic log optimization.

#### SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

### 3.1.2.69 Context - TOOLS NOTIFICATION

#### VERBOSITY

Minimum verbosity for notifications.

#### SYNTAX:

```
[get] | restore verbosity  
set verbosity critical | errors | warnings | informative | diagnostic
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

critical - Critical errors  
errors - Errors  
warnings - Warnings  
informative - Informative records  
diagnostic - Diagnostic records

### 3.1.2.70 Context - TOOLS NOTIFICATION EMAIL

#### FROM

Senders email address.

#### SYNTAX:

```
[get] | restore from  
set from [<string>]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - E-mail address

## LOGIN

Login name.

## SYNTAX:

```
[get] | restore login
```

```
set login [<string>]
```

## OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

string - Name

## PASSWORD

Password.

## SYNTAX:

```
[get] | restore password
```

```
set password [plain <password>]
```

## OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

plain - Switch to entering password as parameter

password - Password

## SERVER

SMTP server address.

## SYNTAX:

```
[get] | restore server
```

```
set server [<string>]
```

## OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

## ARGUMENTS:

string - Address

## TO

Recipients e-mail address.

## SYNTAX:

```
[get] | restore to  
set to [<string>]
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - E-mail address

## USE

Sending events by email.

## SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## 3.1.2.71 Context - TOOLS NOTIFICATION MESSAGE

### ENCODING

Warning messages encoding.

## SYNTAX:

```
[get] | restore encoding  
set encoding nolocal | localcharset | localencoding | ISO-2022-JP
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

nolocal - Do not use national alphabet characters  
localcharset - Use national alphabet characters  
localencoding - Use national alphabet characters and encoding  
iso - Use ISO-2022-JP encoding (For japanese version only)

### 3.1.2.72 Context - TOOLS NOTIFICATION MESSAGE FORMAT

#### DETECTION

Format of threat warning messages.

SYNTAX:

```
[get] | restore detection  
set detection [<string>]
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

string - Message format

Message format options:

%TimeStamp% - Date and time of the event  
%Scanner% - Module that has detected the event  
%ComputerName% - Computer name  
%ProgramName% - Program which has caused the event  
%ErrorDescription% - Error description

For message format, you need to replace key words (listed here between percent sign "%") with the corresponding values.

**NOTE:** ESET File Security virus messages and warnings have default format. Changing this format is not recommended. You can change the format in case when you are using automatic email handling system.

#### EVENT

Event format.

SYNTAX:

```
[get] | restore event  
set event [<string>]
```

OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

ARGUMENTS:

string - Message format

Message format options:

%TimeStamp% - Date and time of the event  
%Scanner% - Module that has detected the event  
%ComputerName% - Computer name  
%ProgramName% - Program which has caused the event

%InfectedObject% - Infected object (file, e-mail,...)

%VirusName% - Virus name

For message format, you need to replace key words (listed here between percent sign "%") with the corresponding values.

**NOTE:** ESET File Security virus messages and warnings have default format. Changing this format is not recommended. You can change the format in case when you are using automatic email handling system.

### 3.1.2.73 Context - TOOLS NOTIFICATION WINPOPUP

#### ADDRESS

Send notifications to computer names.

#### SYNTAX:

```
[get] | restore address  
set address <string>
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

string - Computer name separated by a comma

#### TIMEOUT

Interval of sending to LAN computers.

#### SYNTAX:

```
[get] | restore timeout  
set timeout <number>
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

#### ARGUMENTS:

number - Interval in seconds (1 - 3600)

#### USE

Send events to LAN computers.

#### SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### 3.1.2.74 Context - TOOLS SCHEDULER

#### ACTION

Scheduled task action.

#### SYNTAX:

```
[get] action  
set action external | logmaintenance | startupcheck | status | scan | update
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

#### ARGUMENTS:

external - Run external application

logmaintenance - Log maintenance

startupcheck - Startup scan

status - Create a computer status snapshot

scan - Computer scan

update - Update

#### TASK

Scheduled tasks.

#### SYNTAX:

```
[get] | select task [<ID>]  
set task <ID> disabled | enabled  
add task <task_name>  
remove | start task <ID>
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

select - Selects item

add - Add item

remove - Removes item

start - Starts task

#### ARGUMENTS:

ID - Task ID

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

task\_name - Task name

## TRIGGER

Task execution.

### SYNTAX:

```
[get] trigger  
set trigger once | repeat | daily | weekly | event
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

### ARGUMENTS:

once - Once

repeat - Repeatedly

daily - Daily

weekly - Weekly

event - Event triggered

## 3.1.2.75 Context - TOOLS SCHEDULER EVENT

### INTERVAL

Run the task only once within the specified interval (hours).

### SYNTAX:

```
[get] interval  
set interval <hours>
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

### ARGUMENTS:

hours - Time in hours (1 - 720 hours)

### TYPE

Event triggered task.

### SYNTAX:

```
[get] type  
set type startup | startuponcedaily | dialup | engineupdate | appupdate | logon | detection
```

### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

### ARGUMENTS:

startup - Computer start

startuponcedaily - The first time the computer starts each day

dialup - Dial-up connection to the Internet/VPN

engineupdate - Virus signature update

appupdate - Program component update

logon - User logon

detection - Threat detection

### 3.1.2.76 Context - TOOLS SCHEDULER FAILSAFE

#### EXECUTE

Action to take if the task is not run.

#### SYNTAX:

```
[get] execute  
set execute asap | iftimeout | no
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

#### ARGUMENTS:

asap - Run the task as soon as possible

iftimeout - Run the task immediately if the time since its last execution exceeds specified interval

no - Do not run with delay

**NOTE:** To set a limit enter SET TOOLS SCHEDULER EDIT FAILSAFE TIMEOUT <HOURS>.

#### TIMEOUT

Task interval (hours).

#### SYNTAX:

```
[get] timeout  
set timeout <hours>
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

#### ARGUMENTS:

hours - Time in hours (1 - 720 hours)

### 3.1.2.77 Context - TOOLS SCHEDULER PARAMETERS CHECK

#### LEVEL

Scan level.

#### SYNTAX:

```
[get] level  
set level [before_logon | after_logon | most_frequent | frequent | common | rare | all]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

#### ARGUMENTS:

`before_logon` - Files run before user logon  
`after_logon` - Files run after user logon  
`most_frequent` - Only the most frequently used files  
`frequent` - Frequently used files  
`common` - Commonly used files  
`rare` - Rarely used files  
`all` - Registered files

## PRIORITY

Scan priority.

SYNTAX:

```
[get] priority  
set priority [normal | low | lowest | idle]
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

ARGUMENTS:

`normal` - Normal  
`low` - Lower  
`lowest` - Lowest  
`idle` - When idle

### 3.1.2.78 Context - TOOLS SCHEDULER PARAMETERS EXTERNAL

## ARGUMENTS

Arguments.

SYNTAX:

```
[get] arguments  
set arguments <arguments>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

ARGUMENTS:

`arguments` - Arguments

## DIRECTORY

Work folder.

SYNTAX:

```
[get] directory  
set directory <path>
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

#### ARGUMENTS:

`path` - Path

#### EXECUTABLE

Executable file.

#### SYNTAX:

```
[get] executable  
set executable <path>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

#### ARGUMENTS:

`path` - Path

### 3.1.2.79 Context - TOOLS SCHEDULER PARAMETERS SCAN

#### PROFILE

Scan profile.

#### SYNTAX:

```
[get] profile  
set profile <profile>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

#### ARGUMENTS:

`profile` - Profile name

#### READONLY

Scan without cleaning.

#### SYNTAX:

```
[get] readonly  
set readonly disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### TARGET

Scan targets.

#### SYNTAX:

```
[get] | clear target  
add | remove target <path>
```

#### OPERATIONS:

get - Returns current setting/status  
add - Add item  
remove - Removes item  
clear - Removes all items/files

#### ARGUMENTS:

path - Scan path/Target

### 3.1.2.80 Context - TOOLS SCHEDULER PARAMETERS UPDATE

#### PRIMARY

Update profile.

#### SYNTAX:

```
[get] primary  
set primary [<profile>]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status

#### ARGUMENTS:

profile - Profile name

#### SECONDARY

Alternate update profile.

#### SYNTAX:

```
[get] secondary  
set secondary [<profile>]
```

#### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status

#### ARGUMENTS:

profile - Profile name

### **3.1.2.81 Context - TOOLS SCHEDULER REPEAT**

#### **INTERVAL**

Task interval (minutes).

SYNTAX:

```
[get] interval
set interval <minutes>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

ARGUMENTS:

`minutes` - Time in minutes (1 - 720 hours)

### **3.1.2.82 Context - TOOLS SCHEDULER STARTUP**

#### **DATE**

Task will be run on the selected date.

SYNTAX:

```
[get] date
set date <year>-<month>-<day>
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

ARGUMENTS:

`year` - Year  
`month` - Month  
`day` - Day

#### **DAYS**

Run the task on the selected days.

SYNTAX:

```
[get] days
set days [none] [monday] [tuesday] [wednesday] [thursday] [friday] [saturday] [sunday] [all]
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status

ARGUMENTS:

`none` - No specified day  
`monday` - Monday  
`tuesday` - Tuesday  
`wednesday` - Wednesday

`thurdsday` - Thursday

`friday` - Friday

`saturday` - Saturday

`sunday` - Sunday

`all` - Every day

## TIME

Task will be run at the selected time.

### SYNTAX:

```
[get] time  
set time <hour>:<minute>:<second>
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

### ARGUMENTS:

`hour` - Hour

`minute` - Minute

`second` - Second

## 3.1.2.83 Context - UPDATE

### CACHE

Clear update cache.

### SYNTAX:

```
clear cache
```

### COMPONENTS

Update program components.

### SYNTAX:

```
[get] | restore components  
set components never | allways | ask
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`never` - Do not update

`allways` - Always update

`ask` - Ask before downloading program components

### LOGIN

Login username.

### SYNTAX:

```
[get] | restore login
```

```
set login [<string>]
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

string - Name

**NOTE:** Please enter the Username and Password received after purchase or activation. We strongly recommend that you copy (Ctrl+C) from your registration email and paste it (Ctrl+V).

### PASSWORD

Password.

#### SYNTAX:

```
[get] | restore password
```

```
set password [plain <password>]
```

#### OPERATIONS:

get - Show password

set - Set or delete password

restore - Restores default settings/object/file

#### ARGUMENTS:

plain - Switch to enter password as parameter

password - Password

**NOTE:** Please enter the Username and Password received after purchase or activation. We strongly recommend that you copy (Ctrl+C) from your registration email and paste it (Ctrl+V).

### PRERELEASE

Enable pre-release updates.

#### SYNTAX:

```
[get] | restore prerelease
```

```
set prerelease disabled | enabled
```

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

disabled - Disables function/deactivates setting

enabled - Enables function/activates setting

### PROFILE

Update profile management.

#### SYNTAX:

```
[get] profile  
select | remove profile <name>  
add profile new: <name> [copyfrom: <name>]
```

#### OPERATIONS:

get - Returns current setting/status  
select - Selects item  
add - Add item  
remove - Removes item

#### ARGUMENTS:

name - Profile name  
new - New profile  
copyfrom - Copy setting from profile

**NOTE:** Other context commands refer to the active profile (marked with - x). For the active profile selection use  
select update profile <profile name>.

## SERVER

Update servers.

#### SYNTAX:

```
[get] | restore server  
select | add | remove server <server>
```

#### OPERATIONS:

get - Returns current setting/status  
select - Selects item  
add - Add item  
remove - Removes item  
restore - Restores default settings/object/file

#### ARGUMENTS:

server - Server address

## STATUS

Show update status.

#### SYNTAX:

```
[get] status
```

## UPDATE

Update.

#### SYNTAX:

```
start | stop update
```

#### OPERATIONS:

start - Run update  
stop - Cancel update

### 3.1.2.84 Context - UPDATE CONNECTION

#### DISCONNECT

Disconnect from server after update.

SYNTAX:

```
[get] | restore disconnect  
set disconnect disabled | enabled
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### LOGIN

Username.

SYNTAX:

```
[get] | restore login  
set login [<string>]
```

OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

ARGUMENTS:

`string` - Name

#### PASSWORD

Password.

SYNTAX:

```
[get] | restore password  
set password [plain <password>]
```

OPERATIONS:

`get` - Show password  
`set` - Set or delete password  
`restore` - Restores default settings/object/file

ARGUMENTS:

`plain` - Switch to enter password as parameter  
`password` - Password

#### RUNAS

Connect to LAN as.

## SYNTAX:

```
[get] | restore runas  
set runas system | current | specified
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

system - System account (default)  
current - Current user  
specified - Specified user

### 3.1.2.85 Context - UPDATE MIRROR

## COMPONENTS

Update program components.

## SYNTAX:

```
[get] | start | restore components  
set components disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
start - Start update  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## FOLDER

Folder to store mirrored files.

## SYNTAX:

```
[get] | restore folder  
set folder [<string>]
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - Folder path

## LOGIN

Username.

## SYNTAX:

```
[get] | restore login  
set login [<string>]
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - Name

## PASSWORD

Password.

## SYNTAX:

```
[get] | restore password  
set password [plain <password>]
```

## OPERATIONS:

get - Show password  
set - Set or delete password  
restore - Restores default settings/object/file

## ARGUMENTS:

plain - Switch to enter password as parameter  
password - Password

## USE

Create update mirror.

## SYNTAX:

```
[get] | restore use  
set use disabled | enabled
```

## OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## VERSIONS

Update version management.

## SYNTAX:

```
[get] | restore versions  
select versions <version>
```

## OPERATIONS:

`get` - Show available versions  
`select` - Select/Deselect update version  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`version` - Version name

### 3.1.2.86 Context - UPDATE MIRROR CONNECTION

#### DISCONNECT

Disconnect from server after update.

## SYNTAX:

```
[get] | restore disconnect  
set disconnect disabled | enabled
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`disabled` - Disables function/deactivates setting  
`enabled` - Enables function/activates setting

#### LOGIN

Username.

## SYNTAX:

```
[get] | restore login  
set login [<string>]
```

## OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

## ARGUMENTS:

`string` - Name

#### PASSWORD

Password.

## SYNTAX:

```
[get] | restore password  
set password [plain <password>]
```

## OPERATIONS:

`get` - Show password  
`set` - Set or delete password

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`plain` - Switch to enter password as parameter

`password` - Password

### RUNAS

Connect to LAN as.

#### SYNTAX:

```
[get] | restore runas  
set runas system | current | specified
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`system` - System account (default)

`current` - Current user

`specified` - Specified user

### 3.1.2.87 Context - UPDATE MIRROR SERVER

#### AUTHENTICATION

Use authentication.

#### SYNTAX:

```
[get] | restore authentication  
set authentication none | basic | ntlm
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`none` - No

`basic` - Basic

`ntlm` - NTLM

### PORt

Port.

#### SYNTAX:

```
[get] | restore port  
set port <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Port number

#### USE

Provide update files via internal HTTP server.

#### SYNTAX:

```
[get] | restore use
```

```
set use disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

### 3.1.2.88 Context - UPDATE NOTIFICATION

#### DOWNLOAD

Ask before downloading update.

#### SYNTAX:

```
[get] | restore download
```

```
set download disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`disabled` - Disables function/deactivates setting

`enabled` - Enables function/activates setting

#### HIDE

Do not display notification about successful update.

#### SYNTAX:

```
[get] | restore hide
```

```
set hide disabled | enabled
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting

## SIZE

Ask if an update file is greater than (kB).

### SYNTAX:

```
[get] | restore size  
set size <number>
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

number - File size (kB)

**NOTE:** To disable update notifications enter 0.

### 3.1.2.89 Context - UPDATE PROXY

## LOGIN

Username.

### SYNTAX:

```
[get] | restore login  
set login [<string>]
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

string - Name

## MODE

HTTP proxy setup.

### SYNTAX:

```
[get] | restore mode  
set mode global | noproxy | userdefined
```

### OPERATIONS:

get - Returns current setting/status  
set - Sets value/status  
restore - Restores default settings/object/file

## ARGUMENTS:

global - Use global proxy server settings

`noproxy` - Do not use proxy server

`userdefined` - Connection through a proxy server

## PASSWORD

Password.

### SYNTAX:

```
[get] | restore password
```

```
set password [plain <password>]
```

### OPERATIONS:

`get` - Show password

`set` - Set or delete password

`restore` - Restores default settings/object/file

### ARGUMENTS:

`plain` - Switch to enter password as parameter

`password` - Password

## PORT

Proxy server port.

### SYNTAX:

```
[get] | restore port
```

```
set port <number>
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`number` - Port number

## SERVER

Proxy server.

### SYNTAX:

```
[get] | restore server
```

```
set server [<string>]
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`string` - Server address

### 3.1.2.90 Context - UPDATE SYSTEM

#### NOTIFY

Notify about missing updates from level.

#### SYNTAX:

```
[get] | restore notify  
set notify no | optional | recommended | important | critical
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`no` - No  
`optional` - Optional  
`recommended` - Recommended  
`important` - Important  
`critical` - Critical

#### RESTART

Restart computer after program component update.

#### SYNTAX:

```
[get] | restore restart  
set restart never | ask | auto
```

#### OPERATIONS:

`get` - Returns current setting/status  
`set` - Sets value/status  
`restore` - Restores default settings/object/file

#### ARGUMENTS:

`never` - Do not restart  
`ask` - Ask before restart  
`auto` - Restart automatically

## 3.2 Automatic exclusions

The developers of server applications and operating systems recommend excluding sets of critical working files and folders from antivirus scans for most of their products. Antivirus scans may have a negative influence on a server's performance, lead to conflicts and even prevent some applications from running on the server. Exclusions help minimize the risk of potential conflicts and increase the overall performance of the server when running antivirus software.

ESET File Security identifies critical server applications and server operating system files and automatically adds them to the list of [Exclusions](#). Once added to the list, the server process/application will be enabled (by default) with the following result:

- 1) If an application/operating system exclusion remains enabled ([Autoexclusions](#)), any of its critical files and folders

will be added to the list of files excluded from scanning (to see the list of current exclusions use `av exclusions` command). Every time the server is restarted, the system performs an automatic check of exclusions and restores any exclusions that may have been deleted from the list. This is the recommended setting, if you wish to make sure the recommended Automatic exclusions are always applied. To see what applications/operating systems are excluded, use `server autoexclusions` command.

- 2) If the user disables an application/operating system exclusion, its critical files and folders remain on the list of files excluded from scanning. However, they will not be automatically checked and renewed on the **Exclusions** list every time the server is restarted (see point 1 above). We recommend this setting for advanced users, who wish to remove or modify some of the standard exclusions. If you wish to have removed the exclusions from the list without restarting the server, you will need to remove them manually from the list (use `exclusions` command, e.g. `av exclusions remove C:\pagefile.sys`).

Any user-defined exclusions entered manually under using [exclusions](#) command will not be affected by the settings described above.

The Automatic exclusions of server applications/operating systems are selected based on Microsoft's recommendations. For details, please see the following links:

<http://support.microsoft.com/kb/822158>  
<http://support.microsoft.com/kb/245822>  
<http://support.microsoft.com/kb/823166>  
<http://technet.microsoft.com/en-us/library/bb332342%28EXCHG.80%29.aspx>  
<http://technet.microsoft.com/en-us/library/bb332342.aspx>

### 3.3 Import and export settings

Importing and exporting configurations of ESET File Security is available by using [config](#) command.

To export configuration use `general export config <path>` (replace `<path>` with the destination and file name you want the configuration to be exported to, e.g. `general export config c:\installers\configuration.xml`).

To import configuration use `general import config <path>` (e.g. `general import config c:\installers\configuration.xml`).

Both import and export use the .xml file type. Import and export are useful if you need to backup the current configuration of ESET File Security to be able to use it later. The export settings option is also convenient for users who wish to use their preferred configuration of ESET File Security on multiple systems - they can easily import an .xml file to transfer the desired settings.

### 3.4 Remote administration

ESET Remote Administrator (ERA) is a powerful tool to manage security policy and to obtain an overview of the overall security within a network. It is especially useful when applied to larger networks. ERA not only increases the security level, but also provides ease-of-use in the administration of ESET File Security on client machines.

Remote administration setup options are available under context `GENERAL REMOTE`.

You can configure remote administration by specifying the following:

- **Server address:** Network address of the server where the ERA Server is installed.
- **Primary server, Secondary server:** Usually, only Primary server needs to be configured. If you are running multiple ERA servers on the network, you can opt to add another, Secondary ERA server connection. It will serve as the fallback solution. So if the Primary server becomes inaccessible, the ESET security solution will automatically contact the Secondary ERAS. Concurrently, it will attempt to reestablish the connection to the Primary server. After this connection is active again, ESET security solution will switch back to the Primary server. Configuring two remote administration server profiles is best used for mobile clients with notes connecting both from the local network and from outside the network.

Optional settings:

- **Port:** This is a predefined server port used for connection. We recommend that you leave the default port setting of 2222. In case your ERA server is using different port, you the port of your ERA server.
- **Password:** Allows you to enter a password to connect to the ERA Server, if required.
- **Encrypt:** Use this option to block connection to ERA servers where unauthenticated access is enabled.
- **Interval:** (connections interval in min.) This designates the frequency that ESET File Security will connect to the ERA Server. If it is set to 0, information will be submitted every 5 seconds. Default is set to 10 min.

Once you have everything configured, you can activate remote administration (see below for details).

Examples:

- To specify ERA server navigate to `GENERAL REMOTE SERVER PRIMARY` context and execute `set address <servername>` (replace `<servername>` with your ERA server's host name or IP address).
- To activate remote administrator, execute `set use enabled` command from within `GENERAL REMOTE Context` (alternatively you can use `general remote set use enabled` command from eShell root). ESET File Security will use previously specified settings to connect to the ERA Server.

## 3.5 Licenses

Command **License** allows you to manage the license keys for ESET File Security. After purchase, license key file is delivered to you along with your username and password. The license key is a text file containing information about the purchased product: the owner, number of licenses, and the expiration date.

Examples:

- To add new license, execute `general import license <path>` command (replace `<path>` with the exact path where the license file is located in, e.g. `general import license c:\eset_licenses\nod32.lic`).
- To export license (in case you want to use it on other server, in case of server migration, etc.), execute `general export license <ID> <path>` command (replace `<ID>` by the license ID, which can be seen by using `general get license` command, also replace `<path>` with the path where you want the license to be exported to).
- You can also remove the license using the `general remove license <ID>` (replace `<ID>` by the license ID, which can be seen by using `general get license` command, e.g. `general remove license 2` if you have multiple licenses on one server and want to remove license ID #2).

## 4. Glossary

### 4.1 Types of infiltration

An Infiltration is a piece of malicious software trying to enter and/or damage a user's computer.

#### 4.1.1 Viruses

A computer virus is an infiltration that corrupts existing files on your computer. Viruses are named after biological viruses, because they use similar techniques to spread from one computer to another.

Computer viruses mainly attack executable files and documents. To replicate, a virus attaches its "body" to the end of a target file. In short, this is how a computer virus works: after execution of the infected file, the virus activates itself (before the original application) and performs its predefined task. Only after that is the original application allowed to run. A virus cannot infect a computer unless a user, either accidentally or deliberately, runs or opens the malicious program by him/herself.

Computer viruses can range in purpose and severity. Some of them are extremely dangerous because of their ability to purposely delete files from a hard drive. On the other hand, some viruses do not cause any damage – they only serve to annoy the user and demonstrate the technical skills of their authors.

It is important to note that viruses (when compared to trojans or spyware) are increasingly rare because they are not commercially enticing for malicious software authors. Additionally, the term "virus" is often used incorrectly to cover all types of infiltrations. This usage is gradually being overcome and replaced by the new, more accurate term "malware" (malicious software).

If your computer is infected with a virus, it is necessary to restore infected files to their original state – i.e., to clean them by using an antivirus program.

**Examples of viruses are:** OneHalf, Tenga, and Yankee Doodle.

#### 4.1.2 Worms

A computer worm is a program containing malicious code that attacks host computers and spreads via a network. The basic difference between a virus and a worm is that worms have the ability to replicate and travel by themselves – they are not dependent on host files (or boot sectors). Worms spread through email addresses in your contact list or exploit security vulnerabilities in network applications.

Worms are therefore much more viable than computer viruses. Due to the wide availability of the Internet, they can spread across the globe within hours or even minutes of their release. This ability to replicate independently and rapidly makes them more dangerous than other types of malware.

A worm activated in a system can cause a number of inconveniences: It can delete files, degrade system performance, or even deactivate programs. The nature of a computer worm qualifies it as a "means of transport" for other types of infiltrations.

If your computer is infected with a worm, we recommend you delete the infected files because they likely contain malicious code.

**Examples of well-known worms are:** Lovsan/Blaster, Stration/Warezov, Bagle, and Netsky.

#### 4.1.3 Trojan horses

Historically, computer trojan horses have been defined as a class of infiltrations which attempt to present themselves as useful programs, thus tricking users into letting them run. But it is important to note that this was true for trojan horses in the past – today, there is no longer a need for them to disguise themselves. Their sole purpose is to infiltrate as easily as possible and accomplish their malicious goals. "Trojan horse" has become a very general term describing any infiltration not falling under any specific class of infiltration.

Since this is a very broad category, it is often divided into many subcategories:

- **Downloader** – A malicious program with the ability to download other infiltrations from the Internet
- **Dropper** – A type of trojan horse designed to drop other types of malware onto compromised computers

- **Backdoor** – An application which communicates with remote attackers, allowing them to gain access to a system and to take control of it
- **Keylogger** – (keystroke logger) – A program which records each keystroke that a user types and sends the information to remote attackers
- **Dialer** – Dialers are programs designed to connect to premium-rate numbers. It is almost impossible for a user to notice that a new connection was created. Dialers can only cause damage to users with dial-up modems, which are no longer regularly used

Trojan horses usually take the form of executable files with the extension .exe. If a file on your computer is detected as a trojan horse, it is advisable to delete it, since it most likely contains malicious code.

**Examples of well-known trojans are:** NetBus, Trojandownloader. Small.ZL, Slapper

#### 4.1.4 Rootkits

Rootkits are malicious programs that grant Internet attackers unlimited access to a system, while concealing their presence. Rootkits, after accessing a system (usually exploiting a system vulnerability), use functions in the operating system to avoid detection by antivirus software: they conceal processes, files and Windows registry data, etc. For this reason, it is almost impossible to detect them using ordinary testing techniques.

There are two levels of detection to prevent rootkits:

- 1) When they try to access a system. They are still not present, and are therefore inactive. Most antivirus systems are able to eliminate rootkits at this level (assuming that they actually detect such files as being infected).
- 2) When they are hidden from the usual testing. ESET File Security users have the advantage of Anti-Stealth technology, which is also able to detect and eliminate active rootkits.

#### 4.1.5 Adware

Adware is a short for advertising-supported software. Programs displaying advertising material fall under this category. Adware applications often automatically open a new pop-up window containing advertisements in an Internet browser, or change the browser's home page. Adware is frequently bundled with freeware programs, allowing their creators to cover development costs of their (usually useful) applications.

Adware itself is not dangerous – users will only be bothered with advertisements. Its danger lies in the fact that adware may also perform tracking functions (as spyware does).

If you decide to use a freeware product, please pay particular attention to the installation program. The installer will most likely notify you of the installation of an extra adware program. Often you will be allowed to cancel it and install the program without adware.

Some programs will not install without adware, or their functionality will be limited. This means that adware may often access the system in a "legal" way, because users have agreed to it. In this case, it is better to be safe than sorry. If there is a file detected as adware on your computer, it is advisable to delete it, since there is a high probability that it contains malicious code.

#### 4.1.6 Spyware

This category covers all applications which send private information without user consent/awareness. Spyware uses tracking functions to send various statistical data such as a list of visited websites, email addresses from the user's contact list, or a list of recorded keystrokes.

The authors of spyware claim that these techniques aim to find out more about users' needs and interests and allow better-targeted advertisement. The problem is that there is no clear distinction between useful and malicious applications and no one can be sure that the retrieved information will not be misused. The data obtained by spyware applications may contain security codes, PINs, bank account numbers, etc. Spyware is often bundled with free versions of a program by its author in order to generate revenue or to offer an incentive for purchasing the software. Often, users are informed of the presence of spyware during a program's installation to give them an incentive to upgrade to a paid version without it.

Examples of well-known freeware products which come bundled with spyware are client applications of P2P (peer-to-peer) networks. Spyfalcon or Spy Sheriff (and many more) belong to a specific spyware subcategory – they appear to be antispyware programs, but in fact they are spyware programs themselves.

If a file is detected as spyware on your computer, it is advisable to delete it, since there is a high probability that it contains malicious code.

#### **4.1.7 Potentially unsafe applications**

There are many legitimate programs whose function is to simplify the administration of networked computers. However, in the wrong hands, they may be misused for malicious purposes. ESET File Security provides the option to detect such threats.

"Potentially unsafe applications" is the classification used for commercial, legitimate software. This classification includes programs such as remote access tools, password-cracking applications, and [keyloggers](#) (a program that records each keystroke a user types).

If you find that there is a potentially unsafe application present and running on your computer (and you did not install it), please consult your network administrator or remove the application.

#### **4.1.8 Potentially unwanted applications**

Potentially unwanted applications are not necessarily intended to be malicious, but may affect the performance of your computer in a negative way. Such applications usually require consent for installation. If they are present on your computer, your system behaves differently (compared to the state before their installation). The most significant changes are:

- New windows you haven't seen previously are opened
- Activation and running of hidden processes
- Increased usage of system resources
- Changes in search results
- Application communicates with remote servers