

# ESET Shell

## Manual and User Guide

Microsoft® Windows® Server 2000 / 2003 / 2008 / 2008 R2 / 2012

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## ESET Shell

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# 1. ESET Mail Security

## 1.1 eShell

eShell (short for ESET Shell) is a command line interface for ESET Mail Security. It is an alternative to the graphical user interface (GUI). eShell has all the features and options that the GUI normally gives you. eShell lets you configure and administer the whole program without the use of the GUI.

Apart from all the functions and features that are available in the GUI, it also provides you with the option of using automation by running scripts in order to configure, modify configuration or perform an action. Also, eShell can be useful for those who prefer using the command line over the GUI.

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:

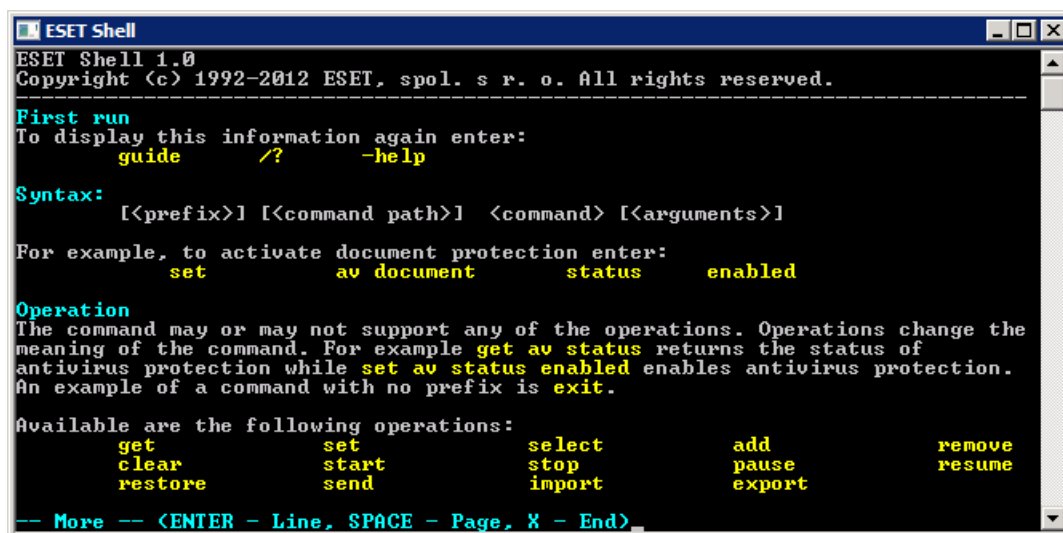
```
eshell set av document status enabled
```

**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 always` needs to be executed in interactive mode). For further information about the `set batch` command click [here](#).

To enter interactive mode in eShell, you can use one of the following two methods:

- Via Windows Start menu: **Start > All Programs > ESET > ESET File Security > ESET shell**
- From Windows Command Prompt by typing in `eshell` and pressing the Enter key

When you run eShell in interactive mode for the first time, a first run screen will display.



```
ESET Shell
ESET Shell 1.0
Copyright (c) 1992-2012 ESET, spol. s r. o. All rights reserved.
-----
First run
To display this information again enter:
  guide      /?      -help

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

-- More -- <ENTER - Line, SPACE - Page, X - End>
```

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

**NOTE:** If you want to display the first run screen in future, type in `guide` command.

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

## 1.1.1 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 belong

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 Mail 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
```

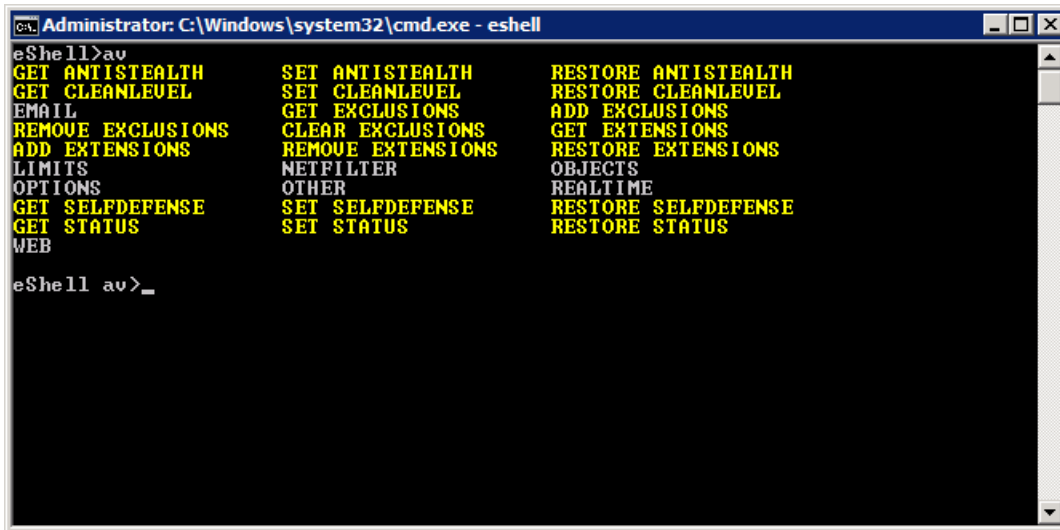
Prefixes such as `GET` and `SET` are used with many commands, but some commands (such as `EXIT`) do not use a prefix.

### 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.



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 is 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.

## Protected commands

Some commands are protected and can only be executed after entering a password.

## 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`).



## 1.1.2 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 Mail 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
```

### 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 Mail 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 Mail 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.

## **WARNLOG**

This is an alias of the `EVENTS` command. It is useful when you need to view information about various events.

### **1.1.2.1 Context - AS**

#### **AUTOSTART**

Start email client antispam 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
```

Enables automatic startup of antispam protection.

#### **STATUS**

Email client antispam 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
```

### 1.1.2.2 Context - AS ADDRESSBOOK EXCLUDE OWNADDRESS

Adds addresses of own accounts into the user's exclusion list.

SYNTAX:

```
[get] | restore ownaddress  
set ownaddress 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
```

### 1.1.2.3 Context - AS ADDRESSBOOK GLOBAL USE

Enables the use of Global Address List.

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
```

### 1.1.2.4 Context - AS ADDRESSBOOK WHITELIST ADDRESSBOOK

Adds addresses from Contacts to the user's whitelist.

SYNTAX:

```
[get] | restore addressbook  
set addressbook 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

## **RECLASSIFIED**

Adds sender's addresses from messages reclassified as not spam into the user's whitelist.

### **SYNTAX:**

```
[get] | restore reclassified  
set reclassified 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

## **SENT**

Adds recipient addresses from sent messages into the user's whitelist.

### **SYNTAX:**

```
[get] | restore sent  
set sent 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

## **1.1.2.5 Context - AS MESSAGE**

### **ACTION**

Action to take for SPAM messages.

### **SYNTAX:**

```
[get] | restore action  
set action none | move
```

### **OPERATIONS:**

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

### **ARGUMENTS:**

`none` - Takes no action

`move` - Moves to SPAM folder

### 1.1.2.6 Context - AS MESSAGE MARK

#### RECLASSIFIED

Marks reclassified messages.

SYNTAX:

```
[get] | restore reclassified  
set reclassified none | unread
```

OPERATIONS:

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

ARGUMENTS:

`none` - Marks none  
`unread` - Marks unread

#### SPAM

Marks SPAM messages.

SYNTAX:

```
[get] | restore spam  
set spam none | read
```

OPERATIONS:

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

ARGUMENTS:

`none` - Marks none  
`read` - Marks read

### 1.1.2.7 Context - AS MESSAGE MODIFY

#### SUBJECT

Adds text to the subject of a message.

SYNTAX:

```
[get] | restore subject  
set subject 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

## TEMPLATE

Text to be added to the subject of a message.

SYNTAX:

```
[get] | restore template
```

```
set template [<string>]
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`string` - Text

### 1.1.2.8 Context - AS MESSAGE MOVE

## CUSTOM

Use of custom SPAM folder.

SYNTAX:

```
[get] | restore custom
```

```
set custom 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

## FOLDER

Name of the custom SPAM folder.

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` - Specifies the name of the custom folder

### 1.1.2.9 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

## 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

### 1.1.2.10 Context - AV DOCUMENT

#### 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
```

#### INTEGRATION

Integrate document protection into system.

SYNTAX:

```
[get] | restore integration  
set integration 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

Current document 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

## 1.1.2.11 Context - AV DOCUMENT 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 (1 - 3145728) or 0 for default settings

### 1.1.2.12 Context - AV DOCUMENT 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 (1 - 3145728) 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 (1 - 3600) or 0 for default settings

### 1.1.2.13 Context - AV DOCUMENT 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

### 1.1.2.14 Context - AV DOCUMENT 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
```



### 1.1.2.15 Context - AV DOCUMENT 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
```

### 1.1.2.16 Context - AV EMAIL

#### ACTION

Action for infected messages.

SYNTAX:

```
[get] | restore action  
set action none | delete | movedeleted | moveto
```

OPERATIONS:

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

ARGUMENTS:

```
none - No action
```

`delete` - Delete message

`movedeleted` - Move to deleted

`moveto` - Move to folder

## CLIENTS

Email clients.

SYNTAX:

`[get] clients`

`add | remove clients <path>`

OPERATIONS:

`get` - Returns current setting/status

`add` - Add item

`remove` - Removes item

ARGUMENTS:

`path` - Applications path

**NOTE:** 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.

## QUARANTINE

Infected messages folder.

SYNTAX:

`[get] | restore quarantine`

`set quarantine <string>`

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`string` - Folder name

## STATUS

Email client 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

### 1.1.2.17 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
```

### 1.1.2.18 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 (1 - 3145728) or 0 for default settings

### 1.1.2.19 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 (1 - 3145728) 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 (1 - 3600) or 0 for default settings

## 1.1.2.20 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
```

### 1.1.2.21 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
```

### 1.1.2.22 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

### 1.1.2.23 Context - AV EMAIL MESSAGE CONVERT

#### PLAIN

Convert email body to plain text.

#### SYNTAX:

```
[get] | restore plain
```

```
set plain 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

### 1.1.2.24 Context - AV EMAIL MODIFY

#### TEMPLATE

Template added to the subject of infected messages.

#### SYNTAX:

```
[get] | restore template
```

```
set template [<string>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`string` - Text



### 1.1.2.25 Context - AV EMAIL MODIFY RECEIVED

#### BODY

Append tag messages to received and read email.

#### SYNTAX:

```
[get] | restore body  
set body never | infected | all
```

#### OPERATIONS:

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

#### ARGUMENTS:

```
never - Do not add  
infected - To infected messages only  
all - To all messages
```

#### SUBJECT

Append note to the subject of received and sent infected email.

#### SYNTAX:

```
[get] | restore subject  
set subject 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
```

### 1.1.2.26 Context - AV EMAIL MODIFY SENT

#### BODY

Append tag messages to received and read email.

#### SYNTAX:

```
[get] | restore body  
set body never | infected | all
```

#### OPERATIONS:

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

#### ARGUMENTS:

`never` - Do not add

`infected` - To infected messages only

`all` - To all messages

## **SUBJECT**

Append note to the subject of received and sent infected email.

### **SYNTAX:**

```
[get] | restore subject
```

```
set subject 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

## **1.1.2.27 Context - AV EMAIL OEXPRESS/WINMAIL**

### **INTEGRATION**

Integrate into Outlook Express and Windows Mail.

### **SYNTAX:**

```
[get] | restore integration
```

```
set integration 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

## **1.1.2.28 Context - AV EMAIL OUTLOOK**

### **FORCEADDIN**

Use COM Add-in in older Microsoft Outlook versions.

### **SYNTAX:**

```
[get] | restore forceaddin
```

```
set forceaddin 2010newer | 2007newer | allversions
```

### **OPERATIONS:**

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`2010newer` - Microsoft Outlook 2010 and higher

`2007newer` - Microsoft Outlook 2007 and higher

`allversions` - All Microsoft Outlook versions

#### INTEGRATION

Integrate into Microsoft Outlook.

#### SYNTAX:

```
[get] | restore integration
set integration 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

#### SYNCFIX

Enable solving synchronization conflicts in Microsoft Outlook.

#### SYNTAX:

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

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

0 - Disabled, 3 - Fully enabled, other possible values.

### 1.1.2.29 Context - AV EMAIL OUTLOOK RESCAN

#### ONCHANGE

Disable checking upon inbox content change.

#### SYNTAX:

```
[get] | restore onchange
set onchange 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

### 1.1.2.30 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

**NOTE:** 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.

#### 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 delimited 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

### 1.1.2.31 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

**NOTE:** 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 POP3 protocol checking

`ports` - Use POP3S protocol checking for selected ports

`clients` - Use POP3S protocol checking for applications marked as email clients that use selected ports

#### PORTS

Ports used by POP3S.

#### 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

### 1.1.2.32 Context - AV EMAIL RESCAN

#### ONUPDATE

Repeat scan after update.

#### SYNTAX:

```
[get] | restore onupdate
```

```
set onupdate 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

### 1.1.2.33 Context - AV EMAIL SCAN

#### OTHERMODULES

Accept scan results from other modules.

#### SYNTAX:

```
[get] | restore othermodules
```

```
set othermodules 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

#### PLAIN

Scan plain text email body.

#### SYNTAX:

```
[get] | restore plain
```

```
set plain 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

#### READ

Scan read messages.

#### SYNTAX:

```
[get] | restore read
```

```
set read 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

#### RECEIVED

Scan received messages.

#### SYNTAX:

```
[get] | restore received
```

```
set received 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

#### RTF

Scan RTF email body.

#### SYNTAX:

```
[get] | restore rtf
```

```
set rtf 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

#### SENT

Scan sent messages.

#### SYNTAX:

```
[get] | restore sent
```

```
set sent 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

### 1.1.2.34 Context - AV EMAIL THUNDERBIRD

#### INTEGRATION

Integrate into Mozilla Thunderbird.

#### SYNTAX:

```
[get] | restore integration
```

```
set integration 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



### 1.1.2.35 Context - AV EMAIL WINLIVE

#### INTEGRATION

Integrate into Windows Live Mail.

#### SYNTAX:

```
[get] | restore integration  
set integration 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
```

### 1.1.2.36 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
```

### 1.1.2.37 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 O 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 O for default settings

### 1.1.2.38 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
```

### 1.1.2.39 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

## 1.1.2.40 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
```

### 1.1.2.41 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

### 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

**1.1.2.42 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

**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

### 1.1.2.43 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

### 1.1.2.44 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

### 1.1.2.45 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

### 1.1.2.46 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

## 1.1.2.47 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

## 1.1.2.48 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.

## 1.1.2.49 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 O for default settings

### 1.1.2.50 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 O 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 O for default settings

### 1.1.2.51 Context - AV REALTIME OBJECTS

#### 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

## **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

## **1.1.2.52 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

## **1.1.2.53 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)

### 1.1.2.54 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
```

#### 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
```

### 1.1.2.55 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
```

### 1.1.2.56 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.

### 1.1.2.57 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

### 1.1.2.58 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

## 1.1.2.59 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

**1.1.2.60 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

## 1.1.2.61 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

### 1.1.2.62 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

**1.1.2.63 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.

**1.1.2.64 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

### 1.1.2.65 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

### 1.1.2.66 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
```

#### PORTS

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
```

### 1.1.2.67 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
```

### 1.1.2.68 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 eShell 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

## 1.1.2.69 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

### **1.1.2.70 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 color 1.

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

### 1.1.2.71 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'.

### 1.1.2.72 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

### 1.1.2.73 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

#### 1.1.2.74 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)

#### 1.1.2.75 Context - GENERAL PERFORMANCE SERVER TEMPORARY PATH

Temporary files location.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

`string` - Path

#### 1.1.2.76 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
```

## 1.1.2.77 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
```

## 1.1.2.78 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
```

## 1.1.2.79 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 unencrypted 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

### 1.1.2.80 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 unencrypted 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

### 1.1.2.81 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

### 1.1.2.82 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

### 1.1.2.83 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.

## 1.1.2.84 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
```

### 1.1.2.85 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 O 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 O for default settings

### 1.1.2.86 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
```

## 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

### 1.1.2.87 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

#### 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

### 1.1.2.88 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
```

### 1.1.2.89 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
```

#### STATUS

Gateway server 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
```

### 1.1.2.90 Context - SERVER AS

#### RESTART

Antispam engine restart and parameters reload.

SYNTAX:

```
restart
```

#### STATUS

Gateway server antispam 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

### 1.1.2.91 Context - SERVER AS ENGINE ANALYSIS

#### ATTACHMENTS

Scan message attachments.

**SYNTAX:**

```
[get] | restore attachments
```

```
set attachments 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

This option controls whether the antispam engine will scan and consider attachments when computing the spam score.

#### MIMEBOTH

Use both MIME sections.

**SYNTAX:**

```
[get] | restore mimeboth
```

```
set mimeboth 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.

The antispam engine will analyze both text/plain and text/html MIME sections in a message. If additional performance is desired, it is possible to analyze only one section. If this option is set to "disabled", then only one section will be analyzed.

#### UNICODE

Convert to UNICODE.

**SYNTAX:**

```
[get] | restore unicode
```

```
set unicode 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

Improves accuracy and throughput for email message bodies in Unicode, especially double-byte languages by converting the message into single-bytes.

### 1.1.2.92 Context - SERVER AS ENGINE ANALYSIS CACHE

#### DOMAIN

Use domain cache memory.

#### SYNTAX:

```
[get] | restore domain  
set domain 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

Enables usage of a domain reputation cache. If enabled, domains are extracted from messages and compared against a domain reputation cache.

#### LEGITREPUTE

Use LegitRepute cache memory.

#### SYNTAX:

```
[get] | restore legitrepute  
set legitrepute 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

Enables usage of a LegitRepute cache to reduce false positives especially for newsletters.

### 1.1.2.93 Context - SERVER AS ENGINE ANALYSIS MEMORY

#### SAMPLE

Memory size for sample calculation (in bytes).

#### SYNTAX:

```
[get] | restore sample
```

```
set sample <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Size

This option instructs the antispam engine not to read more than this size bytes when computing the message fingerprint. This is useful for getting consistent fingerprints.

#### SCORE

Memory size for score calculation (in bytes).

#### SYNTAX:

```
[get] | restore score
```

```
set score <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Size

This option instructs the antispam engine not to read more than a configurable number of bytes from the message buffer when computing scores.

### 1.1.2.94 Context - SERVER AS ENGINE ANALYSIS SAMPLES

#### CACHE

Use fingerprint cache memory.

#### SYNTAX:

```
[get] | restore cache
```

```
set cache 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

### 1.1.2.95 Context - SERVER AS ENGINE ANALYSIS SAMPLES MSF

#### **BULK**

Number of messages designating a bulk message.

#### SYNTAX:

```
[get] | restore bulk
```

```
set bulk <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Number of messages

This option specifies how many similar messages are required in order to consider them a message bulk.

#### **CLEANUP**

Frequency of clearing cache memory.

#### SYNTAX:

```
[get] | restore cleanup
```

```
set cleanup <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Frequency

This option specifies an internal variable which determines how frequently the in-memory MSF cache is pruned.

#### **ENTRIES**

Number of samples stored in memory.

#### SYNTAX:

```
[get] | restore entries
```

```
set entries <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Number samples

This option specifies the number of MSF fingerprints to keep in memory. The higher the number, the more memory is used but also the higher the accuracy.

## **MATCH**

Two samples match sensitivity.

### **SYNTAX:**

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

### **OPERATIONS:**

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

### **ARGUMENTS:**

```
number - Sensitivity (%)
```

This option specifies the match percentage threshold for two fingerprints. If the match percentage is higher than this threshold then messages are considered to be the same.

## **USE**

Use MSF.

### **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
```

Allows for use of an alternate fingerprinting algorithm known as MSF.

## **1.1.2.96 Context - SERVER AS ENGINE ANALYSIS SPAMCOMPILER**

### **USE**

Use SpamCompiler.

### **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

Speeds up rules processing but requires a little bit more memory.

## VERSION

Preferred version.

SYNTAX:

```
[get] | restore version
```

```
set version auto | 5.1 | 5.2 | 6.0
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`auto` - Automatic

`5.1` - 5.1

`5.2` - 5.2

`6.0` - 6.0

Specifies what SpamCompiler version to use. When set to "auto", the antispam engine will choose the best version to use.

**NOTE:** Improves accuracy and throughput.

### 1.1.2.97 Context - SERVER AS ENGINE ANALYSIS SPAMCOMPILER CACHE

#### FILELIST

List of cache memory files.

SYNTAX:

```
[get] | restore | clear filelist
```

```
add | remove filelist index
```

OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

ARGUMENTS:

`index` - Rule file index

This option specifies which rules files are compiled on disk instead of memory.

#### USE

Use SpamCompiler cache memory.

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

If this option is set to enabled, SpamCompiler will store the compiled data on disk instead of memory to reduce memory usage.

### 1.1.2.98 Context - SERVER AS ENGINE CONFIGURATION

#### FILE

#### 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

#### PROFILE

Automatic configuration profile.

#### SYNTAX:

[get] | restore profile

set profile auto | highend\_desktop | lowend\_desktop | highend\_server | lowend\_server | catch\_rate | fp\_rate | throughput | latency | network | cpu | memory | disk | security | reliability | privacy | reporting

#### OPERATIONS:

get - Returns current setting/status

set - Sets value/status

restore - Restores default settings/object/file

#### ARGUMENTS:

auto - Automatic

highend\_desktop - High-end desktop PC

lowend\_desktop - Low-end desktop PC

highend\_server - High-end server

lowend\_server - Low-end server

`catch_rate` - Focused on maximizing the success rate

`fp_rate` - Focused on minimizing FP

`throughput` - Focused on throughput

`latency` - Focused on latency

`network` - Focused on network load

`cpu` - Focused on CPU load

`memory` - Focused on memory usage

`disk` - Focused on Hard Disk space usage

`security` - Focused on security

`reliability` - Focused on reliability

`privacy` - Focused on privacy protection

`reporting` - Focused on reporting

### 1.1.2.99 Context - SERVER AS ENGINE COMMUNICATION PROXY

Proxy server authentication type.

SYNTAX:

```
[get] | restore proxy
```

```
set proxy auto | basic | digest
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`auto` - Automatic

`basic` - Basic

`digest` - Digest

Specifies which type of HTTP Proxy authentication should be used.

### TIMEOUT

Single SpamLabs request duration limit (in seconds).

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` - Limit (seconds)



Limit how long a single request to SpamLabs can take. The value is specified in units of integral seconds.

**NOTE:** that a value of "0" disables this feature and no limit will be placed.

### 1.1.2.100 Context - SERVER AS ENGINE COMMUNICATION LIVEFEED

#### ADDRESS

LiveFeed 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
```

Specifies which server to query for LiveFeed requests.

#### TTL

LiveFeed request lifetime (in seconds).

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
number - This option allows setting a minimum TTL for entries in the internal LiveFeed cache of antispam engine.
```

**NOTE:** The option is specified in units of seconds. For those LiveFeed responses whose TTL value is less than `livefeed_min_ttl`, the internal cache of antispam engine will instead use `livefeed_min_ttl`.

### 1.1.2.101 Context - SERVER AS ENGINE COMMUNICATION PROTOCOL V4

#### THRESHOLD

Range of v4.x protocol usage.

SYNTAX:

```
[get] | restore threshold  
set threshold <low>:<high>
```

OPERATIONS:

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

## ARGUMENTS:

`low` - Low value

`high` - High value

Since networks can introduce latency and a decrease in performance, this option allows running network checks conditionally based on the score. `netcheck` must be `yes` or this option is ignored. Network is only queried if score is at or between the "low" and "high" range specified via this option.

## USE

Use v.4x protocol.

## SYNTAX:

```
[get] | restore use
```

```
set use yes | no | auto
```

## OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

`yes` - Yes

`no` - No

`auto` - Automatic

Communicate with SpamLabs via old and slower v4.x protocol to determine scoring.

**NOTE:** "Automatic" setting allows the antispam engine to automatically use the `netcheck` feature as a fallback to LiveFeed queries.

### 1.1.2.102 Context - SERVER AS ENGINE DNS

## CACHE

Use DNS cache memory.

## SYNTAX:

```
[get] | restore cache
```

```
set cache 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.

Enable internal caching of DNS requests.

## DIRECT

Direct DNS access.

## SYNTAX:

```
[get] | restore direct
set direct yes | no | auto
```

#### OPERATIONS:

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

#### ARGUMENTS:

`yes` - Yes  
`no` - No  
`auto` - Automatic

When set to yes and if dns server is not specified, then the antispam engine will make LiveFeed requests directly to LiveFeed servers. This option is ignored if dns server is specified as it has precedence.

**NOTE:** This option should be set to yes when direct queries are more efficient than the default DNS servers.

#### ENTRIES

Number of DNS requests stored in memory.

#### SYNTAX:

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

#### OPERATIONS:

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

#### ARGUMENTS:

`number` - Request number

Limits the number of entries in internal DNS cache.

#### FILECACHE

Save cache memory to disk.

#### SYNTAX:

```
[get] | restore filecache
set filecache 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

If enabled, DNS cache will store entries on disk on shutdown and read from disk on initialization.

#### SERVER

DNS 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
```

DNS servers can now be explicitly specified to override the default.

## TTL

DNS request lifetime (in seconds).

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
number - Lifetime (seconds)
```

This option allows setting a minimum TTL for entries in the internal DNS cache of antispam engine.

**NOTE:** The option is specified in units of seconds. For those DNS responses whose TTL value is less than minimum TTL, the internal cache of antispam engine will instead use minimum TTL.

### 1.1.2.103 Context - SERVER AS ENGINE FILTERING DOMAINS

#### ALLOWED

Allowed domains.

SYNTAX:

```
[get] | restore | clear allowed  
add | remove allowed <ip> | <start_ip>-<end_ip> | <ip>/<mask> | <domain>
```

OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

ARGUMENTS:

`ip` - IP address  
`start_ip` - IP addresses range begin  
`end_ip` - IP addresses range end  
`mask` - Network mask  
`domain` - Domain

This option allows specifying body domains and IPs which should always be approved.

## **BLOCKED**

Blocked domains.

SYNTAX:

```
[get] | restore | clear blocked  
add | remove blocked <ip> | <start_ip>-<end_ip> | <ip>/<mask> | <domain>
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

ARGUMENTS:

`ip` - IP address  
`start_ip` - IP addresses range begin  
`end_ip` - IP addresses range end  
`mask` - Network mask  
`domain` - Domain

This option allows specifying body domains and IPs which should always be blocked.

## **IGNORED**

Ignored domains.

SYNTAX:

```
[get] | restore | clear ignored  
add | remove ignored <ip> | <start_ip>-<end_ip> | <ip>/<mask> | <domain>
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

ARGUMENTS:

`ip` - IP address  
`start_ip` - IP addresses range begin

`end_ip` - IP addresses range end

`mask` - Network mask

`domain` - Domain

This option allows specifying body domains which should always be excluded from the DNSBL checks and ignored.

#### 1.1.2.104 Context - SERVER AS ENGINE FILTERING IP

##### ALLOWED

Allowed IP addresses.

SYNTAX:

```
[get] | restore | clear allowed  
add | remove allowed <ip> | <start_ip>-<end_ip> | <ip>/<mask>
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

ARGUMENTS:

`ip` - IP address  
`start_ip` - IP addresses range begin  
`end_ip` - IP addresses range end  
`mask` - Network mask

Set a custom list of allowed IP addresses of outgoing mail servers.

##### BLOCKED

Blocked IP addresses.

SYNTAX:

```
[get] | restore | clear blocked  
add | remove blocked <ip> | <start_ip>-<end_ip> | <ip>/<mask>
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

ARGUMENTS:

`ip` - IP address  
`start_ip` - IP addresses range begin  
`end_ip` - IP addresses range end  
`mask` - Network mask

Set a custom list of blocked IP addresses and domains located in the message body.

## **IGNORED**

Ignored IP addresses.

### **SYNTAX:**

```
[get] | restore | clear ignored  
add | remove ignored <ip> | <start_ip>-<end_ip> | <ip>/<mask>
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

### **ARGUMENTS:**

`ip` - IP address  
`start_ip` - IP addresses range begin  
`end_ip` - IP addresses range end  
`mask` - Network mask

Set a custom list of ignored IP addresses of outgoing mail servers.

## **1.1.2.105 Context - SERVER AS ENGINE FILTERING SENDERS**

### **ALLOWED**

Allowed senders (WhiteList).

### **SYNTAX:**

```
[get] | restore | clear allowed  
add | remove allowed <email> | <domain>
```

### **OPERATIONS:**

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

### **ARGUMENTS:**

`email` - E-mail  
`domain` - Domain

Set a custom list of allowed outgoing email addresses and domains.

### **BLOCKED**

Blocked senders (BlackList).

### **SYNTAX:**

```
[get] | restore | clear blocked
```

```
add | remove blocked <email> | <domain>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

#### ARGUMENTS:

`email` - E-mail

`domain` - Domain

Set a custom list of blocked outgoing email addresses and domains.

### SPOOFED

Fake senders.

#### SYNTAX:

```
[get] | restore | clear spoofed
```

```
add spoofed <server> <ip> | <start_ip>-<end_ip> | <ip>/<mask> <score>
```

```
remove spoofed <server>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

#### ARGUMENTS:

`server` - Address

`ip` - IP address

`start_ip` - IP addresses range begin

`end_ip` - IP addresses range end

`mask` - Network mask

`score` - Score

Allows blocking spammers who spoof your domain name and other domain names. For example, spammers often use the recipient's domain name as the From: domain name. This list allows you to specify which mail servers are allowed to use which domain names in the From: address. The offset will be applied when mail from the domain does not come from the specified IP range.



### 1.1.2.106 Context - SERVER AS ENGINE LOG

#### DETAILED

Use detailed logging.

SYNTAX:

```
[get] | restore detailed
set detailed 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
```

Enables increased verbose logging.

#### FILE

Output rerouting file.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
string - Path
```

Redirects log output to a file in the conf directory.

### 1.1.2.107 Context - SERVER AS ENGINE PERFORMANCE

#### STACK

Maximum size of the used thread stack.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

`number` - Size

Sets the maximum thread stack size to use. If the thread stack size is set to 64KB (e.g. FreeBSD), then this variable should be set to 100 or less. If the thread stack size is set to greater than 1MB (e.g. Linux, Solaris, and MacOSX), then this variable should be set to 10000 or less. If this variable is set below 200, accuracy can be reduced by a couple of percent.

## **TEMPDIR**

Temporary files location.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

`string` - Path

Please enter the path to the folder where temporary files will be placed.

## **THROUGHPUT**

Required throughput (in messages per second).

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

`number` - Number of messages

This option allows you to specify the desired throughput in messages per second. The antispam engine will attempt to reach that level by optimizing the rules that are run. It is possible that accuracy may be reduced. A value of 0 disables the option.

### **1.1.2.108 Context - SERVER AS ENGINE PERFORMANCE INCREMENTALFILES**

#### **FORCE**

Download only incremental files.

SYNTAX:

```
[get] | restore force  
set force 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

The antispam engine, by default, will attempt to download the most size efficient combination of full and incr file. The antispam engine can be forced to only download the incr file by setting this option to enabled.

#### MERGE

Join incremental files into one.

#### SYNTAX:

```
[get] | restore merge
```

```
set merge 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

The antispam engine, by default, will merge multiple incr files and a full file into a single updated full file. This is done to reduce file clutter in the configuration directory.

#### SIZE

Maximum size of incremental files (in bytes).

#### 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 order to reduce cpu usage while rule files are updated, the on-disk cache files (`sc*.tmp`) are no longer regenerated on every single rule update. Instead, they are regenerated when there is a newer `sc*.bin.full` file or when the sum of the `sc*.bin.incr` grows beyond the number of bytes specified in maximum size of incremental files.

### 1.1.2.109 Context - SERVER AS ENGINE REGIONAL CHARSET

#### BLOCKED

List of blocked charsets.

#### SYNTAX:

```
[get] | restore | clear blocked  
add blocked <charset> <score>  
remove blocked <charset>
```

#### OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

#### ARGUMENTS:

```
charset - Charset  
score - Score
```

### 1.1.2.110 Context - SERVER AS ENGINE REGIONAL COUNTRY

#### BLOCKED

List of blocked countries.

#### SYNTAX:

```
[get] | restore | clear blocked  
add | remove blocked <code>
```

#### OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

#### ARGUMENTS:

```
code - Country code
```

Set countries which you want to block and from which you do not want to receive messages. You can find the list of country codes in List of home countries section.

#### HOME

List of home countries.

#### SYNTAX:

```
[get] | restore | clear home  
add | remove home <code>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

#### ARGUMENTS:

`code` - Country code

Set countries which you consider as home countries and from which you prefer to receive messages. You can find the list of country codes in List of home countries section.

### 1.1.2.111 Context - SERVER AS ENGINE REGIONAL LANGUAGE

#### BLOCKNONHOME

Block non-home languages.

#### SYNTAX:

```
[get] | restore blocknonhome  
set blocknonhome yes | no | auto
```

#### OPERATIONS:

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

#### ARGUMENTS:

`yes` - Yes  
`no` - No  
`auto` - Automatic

This options controls whether or not languages, which are not listed in the List of Home Languages, will be blocked.

#### HOME

List of home languages.

#### SYNTAX:

```
[get] | restore | clear home  
add | remove home <code>
```

#### OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

#### ARGUMENTS:

`code` - Language code

Set languages which you consider as home languages and in which you prefer to receive messages. You can find the list of language codes in List of home languages section.

### 1.1.2.112 Context - SERVER AS ENGINE RULES

#### CATEGORY

Category weight.

SYNTAX:

```
[get] | restore | clear category  
add category spam | phish | bounce | adult | fraud | blank | forward | reply | approve | block | <score>  
remove category spam | phish | bounce | adult | fraud | blank | forward | reply
```

OPERATIONS:

`get` - Returns current setting/status  
`add` - Adds item  
`remove` - Removes item  
`restore` - Restores default settings/object/file  
`clear` - Removes all items/files

ARGUMENTS:

`spam` - SPAM  
`phish` - Phishing  
`bounce` - Non-delivery report  
`adult` - Mature content messages  
`fraud` - Fraudulent messages  
`blank` - Empty messages  
`forward` - Forwarding messages  
`reply` - Replying messages  
`approve` - Approve  
`block` - Block  
`score` - Score

Allows the end user to adjust the weights of categories used in sc18 and in files used in custom rules list.

**NOTE:** Category: Name of category, currently limited to SPAM, PHISH, BOUNCE, ADULT, FRAUD, BLANK, FORWARD and REPLY. This field is case insensitive. Score: Any integer or BLOCK or APPROVE. The weight of rules matching the corresponding category will be multiplied by the scaling factor to produce a new effective weight.

#### CUSTOM

Custom rules list.

SYNTAX:

```
[get] | restore | clear custom  
add | remove custom path
```

OPERATIONS:

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

`remove` - Removes item

#### ARGUMENTS:

`path` - Rule file path

Allows user to specify a custom list of rules (i.e. spam, ham, or phishing words/phrases).

**NOTE:** Custom rules files contain phrases in the following format on separate lines: phrase, type, confidence, case sensitivity phrase can be any text except commas. Any commas in the phrase should be deleted. Type can be either SPAM, PHISH, BOUNCE, ADULT or FRAUD. If anything other than those are specified, the TYPE is automatically assumed to be SPAM. Confidence can be from 1 to 100. If the type is SPAM, then 100 indicates a higher confidence of spamminess. If the type is PHISH, then 100 indicates a higher confidence of phishiness. If type is BOUNCE, then 100 indicates a higher confidence that phrase is related to bounces. A higher confidence is more likely to impact the final score. A value of 100 is a special case. If the type is SPAM, then 100 will score the message as 100. If the type is PHISH, then 100 will score the message as 100. If the type is BOUNCE, then 100 will score the message as 100. As always, any whitelist overrides any blacklist. Case sensitivity value of 1 means that the phrase will be case sensitive; 0 means that the phrase will be case insensitive.

#### DOWNLOADED

List of downloaded rule files.

#### SYNTAX:

```
[get] | restore | clear downloaded  
add | remove downloaded index
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

#### ARGUMENTS:

`index` - Rule file index

This option specifies which rule files are downloaded when `retrieveRules()` is called. If the option is blank then `retrieveRules()` will only download files which are necessary to support a given configuration (based on other options).

#### USE

Use rules.

#### 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

This option controls whether slower heuristic rules are used. Accuracy can be greatly improved but more memory is used and it is much slower.

## **WEIGHTS**

Rule weight.

SYNTAX:

```
[get] | restore | clear weights
add weights index weight
remove weights index
```

OPERATIONS:

```
get - Returns current setting/status
add - Adds item
remove - Removes item
restore - Restores default settings/object/file
clear - Removes all items/files
```

ARGUMENTS:

```
index - Rule file index
weight - Weight
```

This option allows overriding weights associated with individual rules.

### **1.1.2.113 Context - SERVER AS ENGINE RULES EXTENSIONS**

#### **FIRST**

Use rule set extension.

SYNTAX:

```
[get] | restore first
set first 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
```

Enables the extended rule set.

#### **SECOND**

Use second rule set extension.

SYNTAX:

```
[get] | restore second
set second 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

Enables the second extension to rule set.

### 1.1.2.114 Context - SERVER AS ENGINE RULES UPDATE

#### **CLEANUP**

Clear older rules after their update.

**SYNTAX:**

```
[get] | restore cleanup  
set cleanup 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

The antispam engine, by default, will clean up older rule files from the configuration directory when a new file is retrieved from the antispam engine SpamCatcher network. However, some users of the antispam engine will want to archive older rule files. This can be done by disabling the cleanup feature.

#### **NOTIFICATION**

Show notification after successful update of rules.

**SYNTAX:**

```
[get] | restore notification  
set notification 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

### 1.1.2.115 Context - SERVER AS ENGINE SCORE

#### ACCELERATED

Use accelerated analysis before threshold score for a clean message has been reached.

#### SYNTAX:

```
[get] | restore accelerated  
set accelerated 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
```

This option allows you to tell the antispam engine to skip slow rule checks if the message is likely to be ham.

#### CLEAN

Score value up to which a message is regarded as certainly clean.

#### SYNTAX:

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

#### OPERATIONS:

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

#### ARGUMENTS:

```
number - Score (0 - 100)
```

Antispam protection assigns scanned messages a score from 0 to 100. Setting the score value borders affects which messages are considered as SPAM and which are not.

**NOTE:** Setting incorrect values can decrease the quality of antispam engine's detection.

#### HISTORY

Use score history.

#### SYNTAX:

```
[get] | restore history  
set history 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

Enables tracking of historical scores for repetitive senders.

## SPAM

Score value from which a message is regarded as SPAM.

SYNTAX:

```
[get] | restore spam
```

```
set spam <number>
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`number` - Score (0 - 100)

Antispam protection assigns scanned messages a score from 0 to 100. Setting the score value borders affects which messages are considered as SPAM and which are not.

**NOTE:** Setting incorrect values can decrease the quality of antispam engine's detection.

## STOP

Stop analysis when SPAM score threshold has been reached.

SYNTAX:

```
[get] | restore stop
```

```
set stop 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

## UNKNOWN

Score value which sets a border when a message is regarded as a probable SPAM or probably clean.

SYNTAX:

```
[get] | restore unknown
```

```
set unknown <number>
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`number` - Score (0 - 100)

Antispam protection assigns scanned messages a score from 0 to 100. Setting the score value boundaries affects which messages are considered as SPAM and which are not.

**NOTE:** Setting incorrect values can decrease the quality of antispam engine's detection.

### 1.1.2.116 Context - SERVER AS ENGINE SPAMBAIT

#### ADDRESSES

Spambait addresses.

SYNTAX:

```
[get] | restore | clear addresses  
add | remove addresses <email>
```

OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

ARGUMENTS:

```
email - E-mail
```

Set mail addresses which only receive SPAM.

#### NONEXIST

Addresses regarded as nonexistent.

SYNTAX:

```
[get] | restore | clear nonexist  
add | remove nonexist <email>
```

OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

ARGUMENTS:

```
email - E-mail
```

Set mail addresses which, on the outside, appear to be nonexistent.

### 1.1.2.117 Context - SERVER AS ENGINE STATISTICS

#### ADDRESS

Analysis 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

URL where statistics files will be uploaded.

#### UPLOAD

Send statistical data for analysis.

SYNTAX:

```
[get] | restore upload
```

```
set upload 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

Launches a thread to automatically upload statistics files to analysis servers.

#### USE

Statistical data logging.

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

Logs IPs, Domains, URLs, suspicious words, etc. to the conf file system. Logs can be automatically uploaded to analysis servers. The logs can be converted to plain text for viewing.

### 1.1.2.118 Context - SERVER AS ENGINE TRAINING

#### COUNTRY

Use country data for training.

SYNTAX:

```
[get] | restore country
set country 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
```

Controls whether country routing information should be considered when training and scoring messages.

#### FINGERPRINT

Use training for message fingerprint score.

SYNTAX:

```
[get] | restore fingerprint
set fingerprint 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
```

Enables fingerprint score offset training.

#### FORCEUSE

Use only training data.

SYNTAX:

```
[get] | restore forceuse
set forceuse 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

Controls whether to give full weight to training data. If this option is set to "enabled" then scoring will be based solely on training data. If this option is set to "disabled" then both rules and training data will be used.

## MAXWORDS

Number of words in cache memory.

## SYNTAX:

```
[get] | restore maxwords
```

```
set maxwords <number>
```

## OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

`number` - Word number

This option specifies the number of word tokens to cache at any time. The higher the number, the more memory is used but also the higher the accuracy. `enable_word_training` must be yes or this option is ignored.

## MINDATA

Minimum amount of training data.

## SYNTAX:

```
[get] | restore mindata
```

```
set mindata <number>
```

## OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

## ARGUMENTS:

`number` - Data amount

Initially, only the rule weights are used to compute the spam score. Once a minimum set of training data is achieved, rule/word training data replaces the rule weights. The default minimum is 100 which means that it must be trained on at least 100 equivalent known ham messages and 100 equivalent spam messages for a total of 200 messages before the training data replaces the rule weights. If the number is too low then the accuracy could be poor due to insufficient data. If the number is too high, then the training data will not be fully taken advantage of. A value of 0 will cause rule weights to be always ignored.

## THRESHOLD

Automatic training sensitivity.

## SYNTAX:

```
[get] | restore threshold
```

```
set threshold <low>:<high>
```

## OPERATIONS:

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

#### ARGUMENTS:

`low` - Low threshold  
`high` - High threshold

Sets a threshold for auto-training. If a message is scored at or above the high threshold, that message is considered a definite spam and is then used to train all the enabled bayesian modules (rules and/or word) but not sender or fingerprint.

If a message is scored at or below the low threshold, that message is considered a definite ham and is then used to train all the enabled bayesian modules (rules and/or word) but not sender or fingerprint.

#### UPDATES

Use training database only for reading.

#### SYNTAX:

```
[get] | restore updates  
set updates 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

This option controls whether the word, rules, and fingerprint training databases can be modified or are read-only after the initial load. A read-only training database is faster.

#### WORD

Use training for words.

#### SYNTAX:

```
[get] | restore word  
set word 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

This option controls whether Bayesian Word Token analysis is used. Accuracy can be greatly improved but more memory is used and it is slightly slower.

#### WRITEBUFFER



Number of scanned messages before writing them to disk.

#### SYNTAX:

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

#### OPERATIONS:

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

#### ARGUMENTS:

```
number - Message number
```

While training, the antispam engine will process a configurable amount of messages before writing the training database to disk. This option determines how many messages to process before writing to disk.

Writing to disk is expensive so this number should be made as large as possible for maximum performance.

If the program is unexpectedly terminated before the buffer has been written to disk, then training performed since the last disk write will be lost. The buffer is written to disk on normal termination.

### 1.1.2.119 Context - SERVER AS ENGINE VERIFICATION DNSBL

#### COUNT

Maximum number of verified domains against DNSBL.

#### SYNTAX:

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

#### OPERATIONS:

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

#### ARGUMENTS:

```
number - Number
```

Allows limiting how many domains and IPs are queried against the DNS Blocklist server.

#### SERVERS

DNSBL (DNS Blocklists) servers.

#### SYNTAX:

```
[get] | restore | clear servers  
add servers <server> <ip> <score>  
remove servers <server>
```

#### OPERATIONS:

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

`clear` - Removes all items/files

#### ARGUMENTS:

`server` - Server address

`ip` - Response IP address

`score` - Score

Specifies a list of DNS Blocklist (DNSBL) servers to query with domains and IPs extracted from the message body.

#### THRESHOLD

DNSBL verification sensitivity.

#### SYNTAX:

```
[get] | restore threshold
```

```
set threshold <low>:<high>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`low` - Low value

`high` - High value

If score is greater than the "high" value then only those DNSBL servers which can bring score below "high" value are queried.

If score is less than the "low" value then only those DNSBL servers which can bring score above "low" value are queried.

If score is between "low" and "high" then all DNSBL servers are queried.

#### TIMEOUT

DNSBL request execution limit (in seconds).

#### 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` - Limit (seconds)

Allows setting a maximum timeout for finishing all DNSBL queries.

### 1.1.2.120 Context - SERVER AS ENGINE VERIFICATION LBL

#### NOTVERIFIED

IP addresses not verified against LBL (Last Blackhole Lists).

#### SYNTAX:

```
[get] | restore | clear notverified
```

```
add | remove notverified <ip>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

#### ARGUMENTS:

`ip` - IP address

Set the list of IP addresses which will not be verified against LBL (Last Blackhole Lists) servers.

#### SERVERS

LBL (Last Blackhole Lists) servers.

#### SYNTAX:

```
[get] | restore | clear servers
```

```
add servers <server> <ip> <score>
```

```
remove servers <server>
```

#### OPERATIONS:

`get` - Returns current setting/status

`add` - Adds item

`remove` - Removes item

`restore` - Restores default settings/object/file

`clear` - Removes all items/files

#### ARGUMENTS:

`server` - Server address

`ip` - Response IP address

`score` - Score

Set the list of LBL (Last Blackhole Lists) servers against which messages will be verified.

### 1.1.2.121 Context - SERVER AS ENGINE VERIFICATION RBL COUNT

Maximum number of verified addresses against RBL.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
number - Number
```

This option allows limiting how many IP addresses are queried against the RBL server. Note that the total number of RBL queries will be the number of IP addresses in the Received: headers (up to a maximum of RBL maxcheck IP addresses) multiplied by the number of RBL servers specified in RBL list.

If the value is "0" then unlimited number of received headers are checked.

Note that IPs which match against the ignored IP list option do not count towards the RBL IP addresses limit.

### SERVERS

RBL (Realtime Blackhole Lists) servers.

SYNTAX:

```
[get] | restore | clear servers  
  
add servers <server> <ip> <score>  
  
remove servers <server>
```

OPERATIONS:

```
get - Returns current setting/status  
add - Adds item  
remove - Removes item  
restore - Restores default settings/object/file  
clear - Removes all items/files
```

ARGUMENTS:

```
server - Server address  
ip - Response IP address  
score - Score
```

Specifies a list of RBL (Realtime Blackhole Lists) servers to query with domains and IPs extracted from the message body.

### THRESHOLD

RBL verification sensitivity.

SYNTAX:

```
[get] | restore threshold
```

```
set threshold <low>:<high>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`low` - Low value

`high` - High value

Since RBL checks can introduce latency and a decrease in performance, this option allows running RBLs check conditionally based on the score prior to RBL checks.

If score is greater than the "high" value then only those RBL servers which can bring score below "high" value are queried.

If score is less than the "low" value then only those RBL servers which can bring score above "low" value are queried.

If score is between "low" and "high" then all RBL servers are queried.

#### TIMEOUT

RBL request execution limit (in seconds).

#### 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` - Limit (seconds)

This option allows setting a maximum timeout for finishing all RBL queries. RBL responses are only used from those RBL servers which responded in time.

If value is "0" then no timeout is enforced.

### 1.1.2.122 Context - SERVER AS MAILSERVER AGENT

#### ACCEPTBYPASS

Accept antispam bypass flag set on SMTP session.

#### SYNTAX:

```
[get] | restore acceptbypass
```

```
set acceptbypass 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

## **ACTION**

Action to take on spam messages.

### SYNTAX:

```
[get] | restore action
```

```
set action none | quarantine | delete
```

### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

### ARGUMENTS:

`none` - Retain message

`quarantine` - Quarantine message

`delete` - Delete message

## **EXCHANGEWHELISTS**

Use Exchange Server whitelists to automatically bypass antispam protection.

### SYNTAX:

```
[get] | restore exchangewhelists
```

```
set exchangewhelists 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

## **SCOREWRITE**

Write spam score to the header of scanned email.

### SYNTAX:

```
[get] | restore scorewrite
```

```
set scorewrite 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

Antispam protection by transport agent.

## 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

### 1.1.2.123 Context - SERVER AS MAILSERVER AGENT GREYLISTING

## CODE

Response code for temporarily denied connections.

## SYNTAX:

```
[get] | restore code  
  
set code <code>
```

## OPERATIONS:

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

## ARGUMENTS:

`code` - SMTP code

## EXTENDED CODE

Response extended code for temporarily denied connections.

## SYNTAX:

```
[get] | restore extendedcode  
  
set extendedcode <code>
```

## OPERATIONS:

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

## ARGUMENTS:

`code` - Extended SMTP code

## TEXT

Response text for temporarily denied connections.

## SYNTAX:

```
[get] | restore text  
set text <text>
```

## OPERATIONS:

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

## ARGUMENTS:

`text` - SMTP text

## USE

Greylisting.

## 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

### 1.1.2.124 Context - SERVER AS MAILSERVER AGENT GREYLISTING TIMEOUT INITIALWAITRETRY

Time limit for the initial connection denial (minutes).

## SYNTAX:

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

## OPERATIONS:

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

## ARGUMENTS:

`number` - Time (minutes)

Minimum value of time limit for the initial connection denial is 1 minute.

## UNVERIFIED

Unverified connections expiration time (hours).

## SYNTAX:

```
[get] | restore unverified
```



```
set unverified <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Time (hours)

The value of unverified connections expiration time must be greater than the value of the time limit for initial connection denial.

### VERIFIED

Verified connections expiration time (days).

#### SYNTAX:

```
[get] | restore verified
```

```
set verified <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Time (days)

The value of verified connections expiration time must be greater than the value of unverified connections expiration time.

### 1.1.2.125 Context - SERVER AS MODIFY

#### SUBJECT

Add note to the subject of spam messages.

#### SYNTAX:

```
[get] | restore subject
```

```
set subject 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

#### TEMPLATE

Template added to the subject of spam messages.

#### SYNTAX:

```
[get] | restore template
```

```
set template [<string>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`string` - Note template

### 1.1.2.126 Context - SERVER AV

#### STATUS

Mail server antivirus and antispymware 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

### 1.1.2.127 Context - SERVER AV 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 - Adds item  
remove - Removes item  
restore - Restores default settings/object/file
```

#### ARGUMENTS:

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

### 1.1.2.128 Context - SERVER AV 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
```

### 1.1.2.129 Context - SERVER AV 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 O 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 O for default settings

### 1.1.2.130 Context - SERVER AV 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
```

### 1.1.2.131 Context - SERVER AV 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
```

### 1.1.2.132 Context - SERVER AV 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
```

### 1.1.2.133 Context - SERVER AV MAILSERVER AGENT

#### **ACTION**

Action to take if cleaning not possible.

#### SYNTAX:

```
[get] | restore action  
set action none | quarantine | delete
```

#### OPERATIONS:

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

#### ARGUMENTS:

```
none - Retain message  
quarantine - Quarantine message  
delete - Delete message
```

#### **SCANSECURE**

Scan also messages received from authenticated or internal connections.

#### SYNTAX:

```
[get] | restore scansecure  
set scansecure 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
```

#### **SCOREVALUE**

Spam score write level.

#### SYNTAX:

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

#### OPERATIONS:

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

#### ARGUMENTS:

```
number - Level (0 - 100%)
```

#### **SCOREWRITE**



When a threat is found, write spam score to scanned messages.

**SYNTAX:**

```
[get] | restore scorewrite  
set scorewrite 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 and antispymware protection by transport agent.

**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
```

**1.1.2.134 Context - SERVER AV MAILSERVER VSAPI**

**ACTION**

Action to take if cleaning not possible.

**SYNTAX:**

```
[get] | restore action  
set action none | block | deleteobject | deleteall
```

**OPERATIONS:**

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

**ARGUMENTS:**

```
none - No action  
block - Block  
deleteobject - Delete  
deleteall - Delete whole message
```

## QUARANTINE

VSAPI Quarantine.

SYNTAX:

```
[get] | restore quarantine  
set quarantine 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
```

## RESCAN

SYNTAX:

```
rescan  
set logall disabled | enabled
```

Messages and files will be re-scanned even if already scanned before.

## STATUS

Antivirus and antispyware VSAPI 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
```

### 1.1.2.135 Context - SERVER AV MAILSERVER VSAPI DELETION

## ATTACHMENT

Attachment deletion method.

SYNTAX:

```
[get] | restore attachment  
set attachment truncate | replace | deleteall
```

OPERATIONS:

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

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`truncate` - Truncate file to zero length

`replace` - Replace attachment with action information

`deleteall` - Delete whole message

#### MESSAGE

Message deletion method.

#### SYNTAX:

```
[get] | restore message
```

```
set message delete | rewrite | deleteall
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`delete` - Delete message body

`rewrite` - Rewrite message body with action information

`deleteall` - Delete whole message

### 1.1.2.136 Context - SERVER AV MAILSERVER VSAPI PERFORMANCE

#### THREADS

Number of scan threads.

#### SYNTAX:

```
[get] | restore threads
```

```
set threads <number>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`number` - Number of threads (1 - 21)

### 1.1.2.137 Context - SERVER AV MAILSERVER VSAPI SCAN

#### PROACTIVE

Proactive scanning.

#### SYNTAX:

```
[get] | restore proactive  
set proactive 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
```

#### RTF

Scan RTF message bodies.

#### SYNTAX:

```
[get] | restore rtf  
set rtf 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
```

### 1.1.2.138 Context - SERVER AV MAILSERVER VSAPI SCAN BACKGROUND

#### ATTACHMENT

Scan only messages with attachment.

#### SYNTAX:

```
[get] | restore attachment  
set attachment 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

## LEVEL

Scan level.

### SYNTAX:

```
[get] | restore level  
  
set level all | year | 6months | 3months | month | week
```

### OPERATIONS:

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

### ARGUMENTS:

`all` - All messages  
`year` - Messages received within last year  
`6months` - Messages received within last 6 months  
`3months` - Messages received within last 3 months  
`month` - Messages received within last month  
`week` - Messages received within last week

## USE

Background scanning.

### 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

## 1.1.2.139 Context - SERVER AV MODIFY

### BODY

Add note to the body of sent messages.

### SYNTAX:

```
[get] | restore body  
  
set body never | infected | all
```

### OPERATIONS:

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

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`never` - Do not append to messages

`infected` - Append to infected messages only

`all` - Append to all scanned messages

#### SUBJECT

Add note to the subject of spam messages.

#### SYNTAX:

```
[get] | restore subject
```

```
set subject 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

#### TEMPLATE

Template added to the subject of spam messages.

#### SYNTAX:

```
[get] | restore template
```

```
set template [<string>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`string` - Note template

### 1.1.2.140 Context - SERVER AV WRITE

#### ACTION

Write information about taken action to the header of scanned messages.

#### SYNTAX:

```
[get] | restore action
```

```
set action 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

#### ID

Write ID to the header of scanned messages.

#### SYNTAX:

```
[get] | restore id
```

```
set id 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

### 1.1.2.141 Context - SERVER MAILSERVER

#### AUTOSTART

Start VSAPI and transport agent 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

### 1.1.2.142 Context - SERVER MAILSERVER AGENT

#### AUTOSTART

Start transport agent 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

**SCLWRITE**

SCLWRITE - Write spam confidence level (SCL) to the header of scanned messages based on spam score.

**SYNTAX:**

```
[get] | restore sclwrite
```

```
set sclwrite 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

**1.1.2.143 Context - SERVER MAILSERVER AGENT PRIORITY**

**AVFILTERING**

Filtering AV agent priority.

**SYNTAX:**

```
[get] | restore avfiltering
```

```
set avfiltering <number>
```

**OPERATIONS:**

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

**ARGUMENTS:**

`number` - Priority (0 - 32768)

**EODGREYLISTING**

Greylisting EOD agent priority.

**SYNTAX:**

```
[get] | restore eodgreylisting
```

```
set eodgreylisting <number>
```

**OPERATIONS:**

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

**ARGUMENTS:**



number - Priority (0 - 32768)

## **SMTPFILTERING**

Filtering SMTP agent priority.

### **SYNTAX:**

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

### **OPERATIONS:**

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

### **ARGUMENTS:**

number - Priority (0 - 32768)

## **1.1.2.144 Context - SERVER MAILSERVER AGENT REJECT**

### **CODE**

Response code.

### **SYNTAX:**

```
[get] | restore code  
set code <code>
```

### **OPERATIONS:**

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

### **ARGUMENTS:**

code - SMTP code

### **EXTENDED CODE**

Response extended code.

### **SYNTAX:**

```
[get] | restore extendedcode  
set extendedcode <code>
```

### **OPERATIONS:**

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

### **ARGUMENTS:**

code - Extended SMTP code

### **TEXT**

Response text.

### **SYNTAX:**

```
[get] | restore text
```

```
set text <text>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`text` - SMTP text

#### USE

When deleting messages, send SMTP reject response.

#### 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

### 1.1.2.145 Context - SERVER MAILSERVER VSAPI

#### AUTOSTART

Start VSAPI 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

### 1.1.2.146 Context - SERVER QUARANTINE

#### ADDRESS

Message quarantine by recipient.

#### SYNTAX:

```
[get] | clear address  
add address <recipient> <quarantine>  
set address <recipient> disabled | enabled  
remove address <recipient>
```

#### OPERATIONS:

```
get - Returns current setting/status  
set - Sets value/status  
add - Adds item  
remove - Removes item  
clear - Removes all items/files
```

#### ARGUMENTS:

```
recipient - Recipient's email  
quarantine - Quarantine email  
disabled - Disables function/deactivates setting  
enabled - Enables function/activates setting
```

#### NONEXIST

Message intended for non-existing message quarantine.

#### SYNTAX:

```
[get] | restore nonexistent  
set nonexistent none | delete | systemquarantine
```

#### OPERATIONS:

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

#### ARGUMENTS:

```
none - No action  
delete - Delete message  
systemquarantine - Quarantine message to the mail server system quarantine
```

### 1.1.2.147 Context - SERVER QUARANTINE\_COMMON

#### ADDRESS

Common message quarantine.

#### SYNTAX:

```
[get] | restore address
```

```
set address <recipient>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`recipient` - Quarantine email

#### PREFER

Prefer common message quarantine.

#### SYNTAX:

```
[get] | restore prefer
```

```
set prefer 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

### 1.1.2.148 Context - SERVER RULES

#### DESCRIPTION

Description.

#### SYNTAX:

```
[get] | restore description
```

```
set description <string>
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`string` - Description

#### NAME

Rule name.

SYNTAX:

```
[get] | name  
set name <name>
```

OPERATIONS:

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

ARGUMENTS:

```
name - Unique name
```

## PRIORITY

Priority.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
number - Priority, the lower the value, the higher the priority
```

## RULE

Rules.

SYNTAX:

```
[get] rule <name>  
set rule <name> disabled | enabled  
select | add | remove | clear rule <name>
```

OPERATIONS:

```
get - Display rule list or rule details  
set - Enable or disable rule  
select - Select rule for edit  
add - Add new rule  
remove - Remove rule  
clear - Clear rule counter
```

ARGUMENTS:

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

### 1.1.2.149 Context - SERVER RULES ACTION

#### ADDITIONAL

Additional actions.

#### SYNTAX:

```
[get] | restore additional  
set additional none | [quarantine] [submit] [log] [notify] [rules] [avscan] [asscan] | all
```

#### OPERATIONS:

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

#### ARGUMENTS:

`none` - None  
`quarantine` - Quarantine file  
`submit` - Submit file for analysis  
`log` - Log  
`notify` - Send event notification  
`rules` - Evaluate other rules  
`avscan` - Scan by antivirus and antispyware protection  
`asscan` - Scan by antispam protection  
`all` - All

#### PRIMARY

Primary action.

#### SYNTAX:

```
[get] | restore primary  
set primary none | uncleaned | unsolicited | delete
```

#### OPERATIONS:

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

#### ARGUMENTS:

`none` - No action  
`uncleaned` - Take action for uncleaned threat  
`unsolicited` - Take action for unsolicited email  
`delete` - Delete message

### 1.1.2.150 Context - SERVER RULES CONDITION

#### BODY

Message body.

#### SYNTAX:

```
[get] | restore body  
set body [word: enabled | disabled] [case: enabled | disabled] [<body>]
```

#### OPERATIONS:

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

#### ARGUMENTS:

`word` - Match whole words  
`enabled` - Enables function/activates setting  
`disabled` - Disables function/deactivates setting  
`case` - Match case  
`body` - Message body

#### FREQUENCY

Frequency of occurrence.

#### SYNTAX:

```
[get] | restore frequency  
set frequency <count> <interval> years | months | weeks | days | hours | minutes
```

#### OPERATIONS:

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

#### ARGUMENTS:

`count` - Number of object occurrences  
`interval` - Object occurrence interval  
`years` - Years  
`months` - Months  
`weeks` - Weeks  
`days` - Days  
`hours` - Hours  
`minutes` - Minutes

#### MAILBOX

Target mailbox.

#### SYNTAX:

```
[get] | restore mailbox
```

```
set mailbox [word: enabled | disabled] [case: enabled | disabled] [<mailbox>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`word` - Match whole words

`enabled` - Enables function/activates setting

`disabled` - Disables function/deactivates setting

`case` - Match case

`mailbox` - Mailbox name

### RECIPIENT

Message recipient.

#### SYNTAX:

```
[get] | restore recipient
```

```
set recipient [word: enabled | disabled] [case: enabled | disabled] [<recipient>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`word` - Match whole words

`enabled` - Enables function/activates setting

`disabled` - Disables function/deactivates setting

`case` - Match case

`recipient` - Recipient name

### SENDER

Message sender.

#### SYNTAX:

```
[get] | restore sender
```

```
set sender [word: enabled | disabled] [case: enabled | disabled] [<sender>]
```

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`word` - Match whole words

`enabled` - Enables function/activates setting



`disabled` - Disables function/deactivates setting

`case` - Match case

`sender` - Sender name

## **SUBJECT**

Message subject.

SYNTAX:

```
[get] | restore subject
```

```
set subject [word: enabled | disabled] [case: enabled | disabled] [<subject>]
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`word` - Match whole words

`enabled` - Enables function/activates setting

`disabled` - Disables function/deactivates setting

`case` - Match case

`subject` - Subject

### **1.1.2.151 Context - SERVER RULES ATTACHMENT**

#### **NAME**

Attachment name.

SYNTAX:

```
[get] | restore name
```

```
set name <filename>
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

ARGUMENTS:

`filename` - File name or mask

#### **SIZE**

Attachment size (KB).

SYNTAX:

```
[get] | restore size
```

```
set size <size>
```

OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`restore` - Restores default settings/object/file

#### ARGUMENTS:

`size` - Size in KB

### 1.1.2.152 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)

### 1.1.2.153 Context - TOOLS ACTIVITY

#### FILESYSTEM

File system activity.

SYNTAX:

```
[get] filesystem [<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` - Year to display

`month` - Month to display

### 1.1.2.154 Context - TOOLS ACTIVITY GATEWAY

#### PERFORMANCE

Gateway server protection performance.

SYNTAX:

```
[get] performance [<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` - Year to display

`month` - Month to display

### 1.1.2.155 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

## SCANS

'Computer scan' log or log list.

## SYNTAX:

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

```
clear scans
```

## 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

## 1.1.2.156 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

**1.1.2.157 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)

**NOW**

Immediately optimizes protocol files.

**SYNTAX:**

```
now
```

Command execution may take a few minutes.

**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

### 1.1.2.158 Context - TOOLS LOG SERVER

#### SYNCHRONIZED

Synchronized write without the use of cache.

SYNTAX:

```
[get] | restore synchronized
set synchronized 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
```

### 1.1.2.159 Context - TOOLS LOG SERVER EVENT

#### ANTISPAM

Log spam score.

SYNTAX:

```
[get] | restore antispam
set antispam 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
```

#### DIAGNOSTIC

Log diagnostic information.

SYNTAX:

```
[get] | restore diagnostic
set diagnostic 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

## PERFORMANCE

Log performance.

### SYNTAX:

```
[get] | restore performance
set performance 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

## RULE

Log rule application.

### SYNTAX:

```
[get] | restore rule
set rule 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

## 1.1.2.160 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

### 1.1.2.161 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
```

### 1.1.2.162 Context - TOOLS NOTIFICATION MESSAGE

#### ENCODING

Warning messages encoding.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
noloal - 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)
```

### 1.1.2.163 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 desription
```

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

**NOTE:** eShell 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:** eShell 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.

### 1.1.2.164 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

### 1.1.2.165 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
```

### 1.1.2.166 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

### 1.1.2.167 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)

**1.1.2.168 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

## 1.1.2.169 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
```

### 1.1.2.170 Context - TOOLS SCHEDULER PARAMETERS MAILSCAN INTERVAL

Mail server background scan time interval (hours).

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

```
hours - Time in hours (1-23)
```

### 1.1.2.171 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

### 1.1.2.172 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

### 1.1.2.173 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)

### 1.1.2.174 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 following days.

#### SYNTAX:

`[get] days`

`set | add | remove days none | [monday] [tuesday] [wednesday] [thursday] [friday] [saturday] [sunday] | all`

#### OPERATIONS:

`get` - Returns current setting/status

`set` - Sets value/status

`add` - Adds item

`remove` - Removes item

#### ARGUMENTS:

`none` - No specified day

`monday` - Monday

`tuesday` - Tuesday

`wednesday` - Wednesday

`thursday` - 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

### 1.1.2.175 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 of 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



## 1.1.2.176 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
```

### 1.1.2.177 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

### 1.1.2.178 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

### 1.1.2.179 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

### 1.1.2.180 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.

### 1.1.2.181 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



### 1.1.2.182 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
```