ESET Shell

Manual and User Guide


Click here to download the most recent version of this document
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 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.

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>`) (two dots separated by space)
- `.. 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:
RECLASSIFIED
Add sender's addresses from messages reclassified as not spam into the user's whitelist.

SYNTAX:

\[ \text{[get]} \mid \text{restore reclasified} \]
\[ \text{set reclasified disabled} \mid \text{enabled} \]

OPERATIONS:

-get - Returns 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
Add recipient addresses from sent messages into the user's whitelist.

SYNTAX:

\[ \text{[get]} \mid \text{restore sent} \]
\[ \text{set sent disabled} \mid \text{enabled} \]

OPERATIONS:

-get - Returns 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:

\[ \text{[get]} \mid \text{restore action} \]
\[ \text{set action none} \mid \text{move} \]

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

RECLASIFIED
Marks reclassified messages.

SYNTAX:

[get] | restore reclasified
set reclasified 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:
**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:

\[ \text{[get]} \mid \text{restore cleanlevel} \]
\[ \text{set cleanlevel none | normal | strict} \]

OPERATIONS:
\begin{itemize}
  \item get - Returns current setting/status
  \item set - Sets value/status
  \item restore - Restores default settings/object/file
\end{itemize}

ARGUMENTS:
\begin{itemize}
  \item none - Do not clean
  \item normal - Standard cleaning
  \item strict - Strict cleaning
\end{itemize}

EXTENSIONS
Scanned/excluded extensions.
SYNTAX:

\[ \text{[get]} \mid \text{restore extensions} \]
\[ \text{add | remove extensions <extension> | /all | /extless} \]

OPERATIONS:
\begin{itemize}
  \item get - Returns current setting/status
  \item add - Add item
  \item remove - Removes item
  \item restore - Restores default settings/object/file
\end{itemize}

ARGUMENTS:
\begin{itemize}
  \item extension - Extension
  \item all - All files
  \item extless - Extensionless files
\end{itemize}

INTEGRATION
Integrate document protection into system.
SYNTAX:

\[ \text{[get]} \mid \text{restore integration} \]
\[ \text{set integration disabled | enabled} \]

OPERATIONS:
\begin{itemize}
  \item get - Returns current setting/status
  \item set - Sets value/status
  \item restore - Restores default settings/object/file
\end{itemize}

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 | 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

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
**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
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:

\[ \text{get} \] | 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:

\[ \text{get} \] | 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:

\[ \text{get} \] | 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 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

1.1.2.38  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
**LOCAL**

Scan local drives.

**SYNTAX:**

```plaintext
[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:**

```plaintext
[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:**

```plaintext
[get] | restore create
set create disabled | enabled
```

**OPERATIONS:**

- **get** - Returns current setting/status
- **set** - Sets value/status
**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
**Disables function/deactivates 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

---

**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

---

**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
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
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 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

1.1.2.51  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:
RUNTIME
Scan runtime packers.
SYNTAX:

```plaintext
[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:

```plaintext
[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:

```plaintext
[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:

\[ \text{get} \mid \text{restore unwanted} \]
\[ \text{set} \ \text{unwanted} \ \text{disabled} \mid \text{enabled} \]

OPERATIONS:

\[ \text{get} \] - Returns current setting/status
\[ \text{set} \] - Sets value/status
\[ \text{restore} \] - Restores default settings/object/file

ARGUMENTS:

\[ \text{disabled} \] - Disables function/deactivates setting
\[ \text{enabled} \] - Enables function/activates setting

1.1.2.55  Context - AV REALTIME OTHER

LOGALL

Log all objects.

SYNTAX:

\[ \text{get} \mid \text{restore logall} \]
\[ \text{set} \ \text{logall} \ \text{disabled} \mid \text{enabled} \]

OPERATIONS:

\[ \text{get} \] - Returns current setting/status
\[ \text{set} \] - Sets value/status
\[ \text{restore} \] - Restores default settings/object/file

ARGUMENTS:

\[ \text{disabled} \] - Disables function/deactivates setting
\[ \text{enabled} \] - Enables function/activates setting

OPTIMIZE

Smart optimization.

SYNTAX:

\[ \text{get} \mid \text{restore optimize} \]
\[ \text{set} \ \text{optimize} \ \text{disabled} \mid \text{enabled} \]

OPERATIONS:

\[ \text{get} \] - Returns current setting/status
\[ \text{set} \] - Sets value/status
\[ \text{restore} \] - Restores default settings/object/file

ARGUMENTS:

\[ \text{disabled} \] - Disables function/deactivates setting
\[ \text{enabled} \] - 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 ADDRESSEMGMT

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

**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
disabled - Enables function/activates setting

1.1.2.63  Context - AV WEB OPTIONS BROWSERS

ACTIVEMODE
Active mode for Internet browsers.

SYNTAX:

\[\text{get}\] 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:

\[\text{get}\] | 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
disabled - Enables function/activates setting

OPTIMIZE
Smart optimization.

SYNTAX:

\[\text{get}\] | 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> | allways

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 command 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 ESHHELL

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
green - 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
green - 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 | green | 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
green - 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:**

```plaintext
[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
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
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
green - Grass green
ltblue - Light blue
brown - Brown
purple - Purple
olive - Olive green
ltgray - Light gray
gray - Gray
blue - Blue
green - Green
cyant - 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
green - 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
green - 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:

iset use | 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 uncrypted connection.

SYNTAX:

[get] | restore encrypt

set encrypt disabled | enabled

OPERATIONS:

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

ARGUMENTS:

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

PASSWORD
ERA Server password.
SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

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

**PORT**

ERA Server port.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

- **number** - Port number

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 uncrypted connection.

SYNTAX:

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

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

ARGUMENTS:

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

PASSWORD

ERA Server password.

SYNTAX:

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

OPERATIONS:

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

ARGUMENTS:

plain - Switch to entering password as parameter
password - Password

PORT

ERA Server port.

SYNTAX:

[get] | restore port
set port <number>

OPERATIONS:

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

ARGUMENTS:

number - Port number

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 loging
    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 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

1.1.2.86  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
```

**OPERATIONS:**

- **get** - Returns 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
```

**OPERATIONS:**

- **get** - Returns 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
```

**OPERATIONS:**

- **get** - Returns 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
```

OPERATIONS:

- `get` - Returns 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
```

OPERATIONS:

- `get` - Returns 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 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:**
OPERATIONS:
get - Returns 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:
**DIRECT**

[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:**

\[
\text{[get]} \mid \text{restore} \mid \text{clear ignored} \\
\text{add} \mid \text{remove ignored } \langle \text{ip} \rangle \mid \langle \text{start_ip} \rangle - \langle \text{end_ip} \rangle \mid \langle \text{ip} \rangle / \langle \text{mask} \rangle
\]

**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:**

\[
\text{[get]} \mid \text{restore} \mid \text{clear allowed} \\
\text{add} \mid \text{remove allowed } \langle \text{email} \rangle \mid \langle \text{domain} \rangle
\]

**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:**

\[
\text{[get]} \mid \text{restore} \mid \text{clear blocked}
\]
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
**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\(^n\).tmp) are no longer regenerated on every single rule update. Instead, they are regenerated when there is a newer sc\(^n\).bin.full file or when the sum of the sc\(^n\).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 custom path
```

```
add - Adds 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.

**DOWNLOAD**

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:**

```plaintext
[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:**

```plaintext
[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:**

```plaintext
[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 boarders 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:
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:**

```javascript
[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 boarders 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:**

```javascript
[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:**

```javascript
[get] | restore unknown
set unknown <number>
```

**OPERATIONS:**

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

**ARGUMENTS:**
Antispam protection assigns scanned messages a score from 0 to 100. Setting the score value boarders 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:**

```bash
 [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:**

```bash
 [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

EXCHANGEWHITELISTS
Use Exchange Server whitelists to automatically bypass antispam protection.

SYNTAX:

[get] | restore exchangewhitelists

set exchangewhitelists disabled | enabled

OPERATIONS:

get - Returns 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 antispyware 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:
one - 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 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

1.1.2.130  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:

\[ \text{get} \] | \text{restore email} \\
set \text{email disabled} | \text{enabled} \\

OPERATIONS:

get - Returns 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:

\[ \text{get} \] | \text{restore runtime} \\
set \text{runtime disabled} | \text{enabled} \\

OPERATIONS:

get - Returns 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:

\[ \text{get} \] | \text{restore sfx} \\
set \text{sfx disabled} | \text{enabled} \\

OPERATIONS:

get - Returns 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:**

```plaintext
[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:**

```plaintext
[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:**

```plaintext
[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 antispyware 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 log all 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
**MESSAGE**

Message deletion method.

**SYNTAX:**

\[
\text{[get]} \mid \text{restore message} \\
\text{set message delete | rewrite | deleteall}
\]

**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:**

\[
\text{[get]} \mid \text{restore threads} \\
\text{set threads <number>}
\]

**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:

\[
\text{[get]} \mid \text{restore proactive}
\]

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:

\[
\text{[get]} \mid \text{restore rtf}
\]

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:

\[
\text{[get]} \mid \text{restore attachment}
\]

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
**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 nonexist
set nonexist 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
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 item
- **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>]
```

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
to - 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:

\[\text{get} | \text{restore encoding}\]

\[\text{set encoding nolocal | localcharset | localencoding | ISO-2022-JP}\]

OPERATIONS:

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

ARGUMENTS:

\text{nolocal} - Do not use national alphabet characters
\text{localcharset} - Use national alphabet characters
\text{localencoding} - Use national alphabet characters and encoding
\text{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:

\[\text{get} | \text{restore detection}\]

\[\text{set detection } [<\text{string}>]\]

OPERATIONS:

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

ARGUMENTS:

\text{string} - Message format

Message format options:

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

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

NOTE: 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 format.

**SYNTAX:**

```plaintext
[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 massage 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:**

```plaintext
[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:**

```plaintext
[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:**

\[ \text{[get]} \mid \text{restore use} \]

**OPERATIONS:**

- **get** - Returns 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:**

\[ \text{[get]} \mid \text{select task [ID]} \mid \text{set task [ID] disabled | enabled} \]

**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:**

\[ \text{[get]} \mid \text{select task [ID]} \]

**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:**

\[
\text{[get]} \text{ type}
\]

\[
\text{set type startup | startuponcedaily | dialup | engineupdate | appupdate | logon | detection}
\]

**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:**

\[
\text{[get]} \text{ execute}
\]

\[
\text{set execute asap | iftimeout | no}
\]

**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 `\text{SET TOOLS SCHEDULER EDIT FAILSAFE TIMEOUT <HOURS>}`.

**TIMEOUT**

Task interval (hours).

**SYNTAX:**

\[
\text{[get]} \text{ timeout}
\]

\[
\text{set timeout <hours>}
\]

**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:

\[ \text{[get]} \text{ time} \]
\[ \text{set time} \text{ <hour>:<minute>:<second>} \]

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:

\[ \text{clear cache} \]

COMPONENTS

Update program components.

SYNTAX:

\[ \text{[get]} \text{ | restore components} \]
\[ \text{set components never | allways | ask} \]

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:

\[ \text{[get]} \text{ | restore login} \]
\[ \text{set login} \text{ [<string>]} \]

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:**

```plaintext
[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:**

```plaintext
[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:**

```plaintext
[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:

\[ \text{[get]} \mid \text{restore runas} \]

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:

\[ \text{[get]} \mid \text{start} \mid \text{restore components} \]

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:

\[ \text{[get]} \mid \text{restore folder} \]

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:**

```plaintext
[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:**

```plaintext
[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:**

```plaintext
[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