

USER'S GUIDE

Webwasher SSL Scanner

Version 6.5

SECURE COMPUTING®

Webwasher®
Web Gateway Security

www.securecomputing.com

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Contents

Chapter 1 Introduction	1- 1
1.1 About This Guide	1- 2
1.2 What Else Will You Find in This Introduction?	1- 2
1.3 Using Webwasher	1- 3
1.3.1 First Level Tabs	1- 4
1.3.2 Configuring a Sample Setting	1- 5
1.3.3 General Features of the Web Interface	1- 7
1.4 Other Documents	1-11
1.4.1 Documentation on Main Products	1-12
1.4.2 Documentation on Special Products	1-13
1.5 The Webwasher Web Gateway Security Products	1-14
Chapter 2 Home	2- 1
2.1 Overview	2- 2
2.2 Dashboard	2- 2
2.2.1 Executive Summary	2- 8
2.2.2 Traffic Volume	2-11
2.2.3 System	2-13
2.3 Overview (Feature)	2-18
2.3.1 Overview (Feature)	2-19
2.4 Support	2-23
2.4.1 Support	2-23
2.5 TrustedSource	2-24
2.5.1 TrustedSource	2-25
2.5.2 Malware Feedback Black List	2-30
2.5.3 Feedback	2-33
2.6 Manuals	2-34
2.6.1 Documentation on Main Products	2-35
2.6.2 Documentation on Special Products	2-37
2.6.3 Additional Documentation	2-39
2.7 Preferences	2-40
2.7.1 Preferences	2-40
2.8 License	2-44
2.8.1 Information	2-45
2.8.2 Notification	2-48
Chapter 3 Common	3- 1
3.1 Overview	3- 2
3.2 Quick Snapshot	3- 3
3.2.1 Quick Snapshot	3- 4
3.3 Media Type Filters	3- 8
3.3.1 Actions	3- 9
3.3.2 Media Type Black List	3-13
3.3.3 Media Type White List	3-16

3.4	Document Inspector	3-19
3.4.1	Document Inspector	3-20
3.5	Archive Handler.....	3-26
3.5.1	Archive Handler.....	3-27
3.6	Generic Header Filter	3-29
3.6.1	Generic Header Filter	3-30
3.7	Generic Body Filter	3-32
3.7.1	Generic Body Filter	3-33
3.8	Advertising Filters	3-35
3.8.1	Settings	3-36
3.8.2	Link Filter List	3-44
3.8.3	Dimension Filter List.....	3-47
3.9	Privacy Filters	3-50
3.9.1	Settings	3-51
3.9.2	Cookie Filter List.....	3-56
3.10	Text Categorization	3-58
3.10.1	Settings	3-59
3.10.2	Categorization List	3-61
3.11	HTTP Method Filter List	3-64
3.11.1	HTTP Method Filter List	3-65
3.12	FTP Command Filter List.....	3-68
3.12.1	FTP Command Filter List.....	3-69
3.13	Welcome Page.....	3-73
3.13.1	Welcome Page.....	3-74
3.14	White List.....	3-78
3.14.1	White List.....	3-79
3.15	User Defined Categories	3-83
3.15.1	User Defined Categories	3-83
3.16	Media Type Catalog	3-85
3.16.1	Media Type Catalog	3-86
Chapter 4	SSL Scanner	4- 1
4.1	Overview	4- 2
4.2	Quick Snapshot.....	4- 2
4.2.1	Quick Snapshot.....	4- 4
4.3	Certificate Verification	4- 5
4.3.1	Certificate Verification	4- 6
4.4	Scan Encrypted Traffic.....	4- 8
4.4.1	Scan Encrypted Traffic.....	4- 9
4.5	Certificate List	4-13
4.5.1	Certificate List	4-14
4.6	Trusted Certificate Authorities.....	4-17
4.6.1	Trusted Certificate Authorities.....	4-18
4.7	Global Certificate List	4-22
4.7.1	Global Certificate List	4-22
4.8	Global Trusted Certificate Authorities	4-26
4.8.1	Global Trusted Certificate Authorities	4-26
4.9	Incident Manager.....	4-28
4.9.1	Incident Manager.....	4-29

Introduction

Welcome to the User's Guide Webwasher® SSL Scanner. It provides you with the information needed to configure and use the Webwasher SSL Scanner, which is one of the Web Gateway Security products developed by Secure Computing.

The Webwasher SSL Scanner enables you to extend your existing Web usage and security policies to the HTTPS protocol and to prevent certificate misuse.

SSL-encrypted content, including viruses, spyware, MP3s, pornography, and confidential company files, is beyond the reach of any Anti-Virus scanner and content filter.

The SSL Scanner allows you to manage this encrypted content in the same way as HTTP content and thus to prevent policy evasion, while it is also scanning Web traffic for all kinds of threats to your network.

1.1

About This Guide

The following overview lists the chapters of this guide and explains briefly what they are about:

User's Guide – Webwasher SSL Scanner	
Introduction	Provides introductory information.
Home	Describes basic features that are common to the SSL Scanner and other Webwasher Web Gateway Security products.
Common	Describes filtering features that are common to the SSL Scanner and other Webwasher Web Gateway Security products.
SSL Scanner	Describes the filtering features that are specific to the SSL Scanner.

1.2

What Else Will You Find in This Introduction?

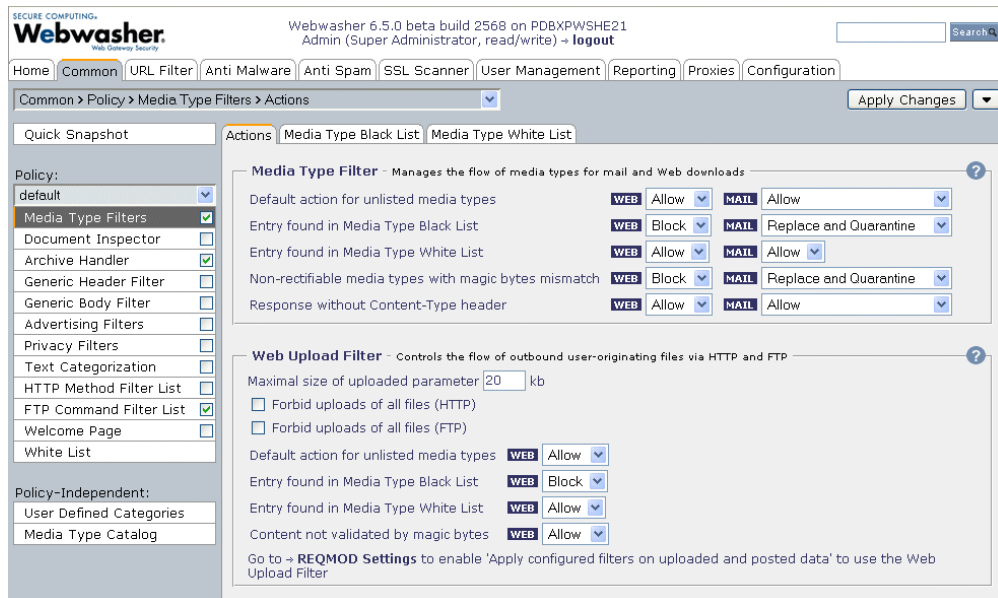
In addition to the overview that was given in the previous section, this introduction also:

- Explains how to handle the Web interface that is provided for using Webwasher, see [1.3](#).
- Informs you about the other documents that are provided for users of Webwasher, see [1.4](#).
- Provides a list of the Webwasher Web Gateway Security products and gives a brief description for each of them, see [1.](#).

1.3

Using Webwasher

A user-friendly, task-oriented Web interface has been designed for handling the Webwasher features. It looks like this:



The following sections provide some information to make you familiar with this interface. These sections:

- List the first level tabs of this interface and explain their meanings, see [1.3.1](#).
- Describe a sample procedure showing how a setting is configured for a Webwasher feature, see [1.3.2](#).
- Explain more about the general features of this interface, see [1.3.3](#).

1.3.1 First Level Tabs

The Web interface displays a number of tabs and sections for configuring the Webwasher features. On the topmost level, there are these ten tabs:

- Home, Common, URL Filter, Anti Malware, Anti Spam, SSL Scanner, User Management, Reporting, Proxies, and Configuration

Their meaning is as follows:

Home Common

Home, Common – These tabs are for configuring basic and filtering features that are used not only by the SSL Scanner, but also by other Webwasher Web Gateway Security products.

Among these features are system alerts, licensing features, media type filters, etc.

SSL Scanner

SSL Scanner – This is the top level tab for configuring the features that are specific to the SSL Scanner.

The tabs mentioned in the following are not described in this document:

URL Filter Anti Malware Anti Spam

URL Filter, Anti Malware, Anti Spam – These are tabs for configuring the features of other Webwasher Web Gateway Security products.

Note that the *Anti Malware* tab is used for both the Webwasher Anti-Virus and the Webwasher Anti-Malware product.

For a description of these tabs, see the corresponding User's Guides.

User Management Reporting Proxies Configuration

User Management, Reporting, Proxies, Configuration – These are tabs for configuring features that adapt Webwasher to the system environment it is running in.

For their description, see the System Configuration Guide.

1.3.2 Configuring a Sample Setting

This section explains how to configure a sample setting of a Webwasher feature. The feature chosen here for explanation is the *Animation Filter*.

In order to avoid the download of bandwidth-consuming animated images, this filter detects and modifies or removes them.

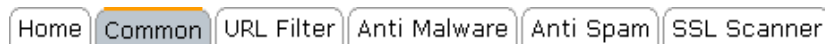
For this sample setting, just suppose you want to enable the filter and let it remove any such images from the filtered objects. You also want these settings to be part of your default filtering policy.

The following overview shows the main steps you need to complete in order to configure the feature in this way:

Configuring the Animation Filter – Overview	
Step 1	Navigate to the section.
2	Configure settings.
3	Make settings effective.

In more detail, these steps include the following activities:

1. *Navigate to the section*
 - a. Select the *Common* tab:



- b. In the navigation area on the left, select *Advertising Filters*, which is located under *Policy*:

Policy:	
default	<input type="button" value="v"/>
Media Type Filters	<input checked="" type="checkbox"/>
Document Inspector	<input type="checkbox"/>
Archive Handler	<input checked="" type="checkbox"/>
Generic Header Filter	<input type="checkbox"/>
Generic Body Filter	<input type="checkbox"/>
Advertising Filters	<input type="checkbox"/>
Privacy Filters	<input type="checkbox"/>
Text Categorization	<input type="checkbox"/>
HTTP Method Filter List	<input type="checkbox"/>
FTP Command Filter List	<input checked="" type="checkbox"/>
Welcome Page	<input type="checkbox"/>
White List	

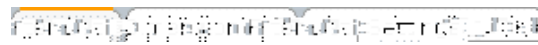
default is selected in the line below *Policy*, which means that the settings you are going to configure now will be valid under your default filtering policy. So, leave this selection as it is.

Otherwise, you could select a different filtering policy, using the drop-down list provided here.

c. Enable *Advertising Filters*. To do this, mark the checkbox next to the inscription.

You need to do this because all features that are placed under this main feature (like the Animation Filter) will only work if it is enabled.

d. From the tabs provided for configuring the *Advertising Filters* options, select the *Settings* tab:



The *Animation Filter* section is located on this tab:



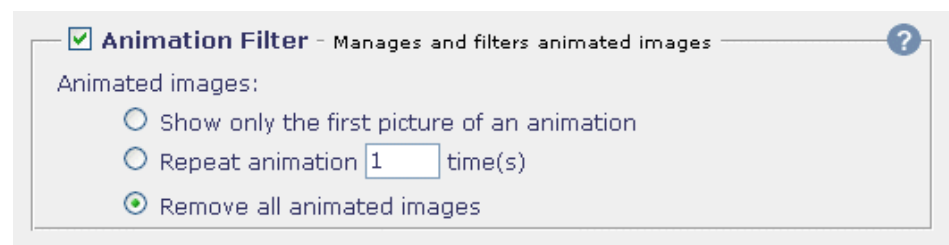
2. *Configure settings*

a. Enable the feature. To do this, mark the checkbox next to the section heading.

b. Check the radio button labeled *Remove all animated images*.

Note: To get help information on these settings, click on the question mark in the top right corner of the section.

The section should now look like this:



3. *Make settings effective*

Click on the *Apply Changes* button:

A rectangular button with a thin border and the text "Apply Changes" inside.

This completes the sample configuration.

1.3.3

General Features of the Web Interface

This section explains more about the features that are provided in the Web interface for solving general tasks, e. g. applying changes to the Webwasher settings or searching for a term on the tabs of the interface.

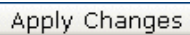
The following features are explained here:

- *Apply Changes*
- *Click History*
- *Information Update*
- *Logout*
- *Main Feature Enabling*
- *Search*
- *Session Length*
- *System Information*

Apply Changes

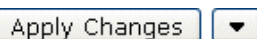
After modifying the settings in one or more of the sections on a tab, you need to click on the *Apply Changes* button to make effective what you have modified.

The *Apply Changes* button is located in the top right corner of the Web interface area:

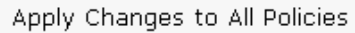
A rectangular button with a thin border and the text "Apply Changes" inside.

When modifying settings that belong only to a particular filtering policy, you can make the modified settings apply to all policies nevertheless.

An arrow is displayed next to the *Apply Changes* button on each tab where policy-dependent settings can be configured:

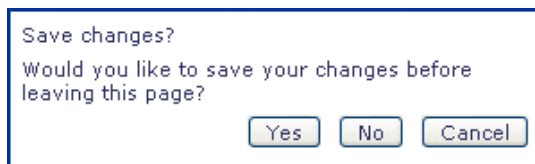
A rectangular button with a thin border and the text "Apply Changes" inside, followed by a small square button containing a downward-pointing triangle.

Clicking on this arrow will display a button, which you can use to apply changes to all policies.



After clicking on this button, your modifications will be valid for settings of all policies.

When you are attempting to leave a tab after modifying its settings, but without clicking on *Apply Changes*, an alert is displayed to remind you to save your changes:



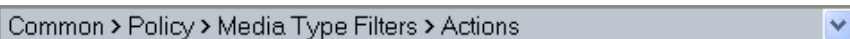
Answer the alert by clicking *Yes* or *No* according to what you intend to do about your changes. This will take you to the tab you invoked before the alert was displayed.

Clicking on *Cancel* will make the alert disappear, so you can continue your configuration activities on the current tab.

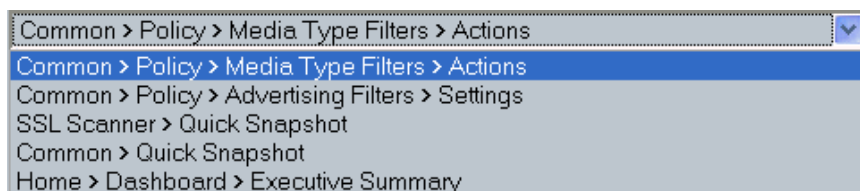
Click History

The tabs you visited while configuring settings are recorded on the top left corner of the Web interface area. They are recorded together with the paths leading to them.

The current tab and path are always visible in the display field, e. g.:



Clicking on the arrow to the right of the path display will show the “click history”, i. e. a list of the tabs you visited prior to this one:



Clicking on any of the entries displayed in the list will take you to the corresponding tab.

The click history is only recorded for the current session, i. e. until you log out. After logging in for a new session, the recording of tabs and paths will start all over again.

Information Update

Some parts of the information that is provided on the tabs of the Web interface will change from time to time. In these cases, the information display is updated automatically every three seconds by Webwasher.

So, e. g. you might have performed a manual update of the anti-virus engines. This means that the information provided in the *Current Status* and *Log File Content* sections on the corresponding *AV Engine* tab will begin to change continuously over a certain period of time until the update is completed.

These sections are then updated automatically every three seconds to reflect the status of the update process.

Logout

To logout from a Webwasher session, click on the *logout* link, which is located in middle position at the top of the Web interface area.

After logging out, the login page is displayed, where you can login again and start a new session.

Main Feature Enabling

There are Webwasher settings that cannot only be modified if a corresponding main feature is disabled. So, e. g. if you want to modify the settings of the *Phishing Filter* section on the *Settings* tab under *Anti-Spam > Message Filters*, you need to make sure the *Message Filter* feature itself is also enabled.

If you attempt to modify settings while the corresponding main feature is not enabled, an alert is displayed to make you aware of this situation:



Your changes will have no effect, because the main feature is disabled

Search

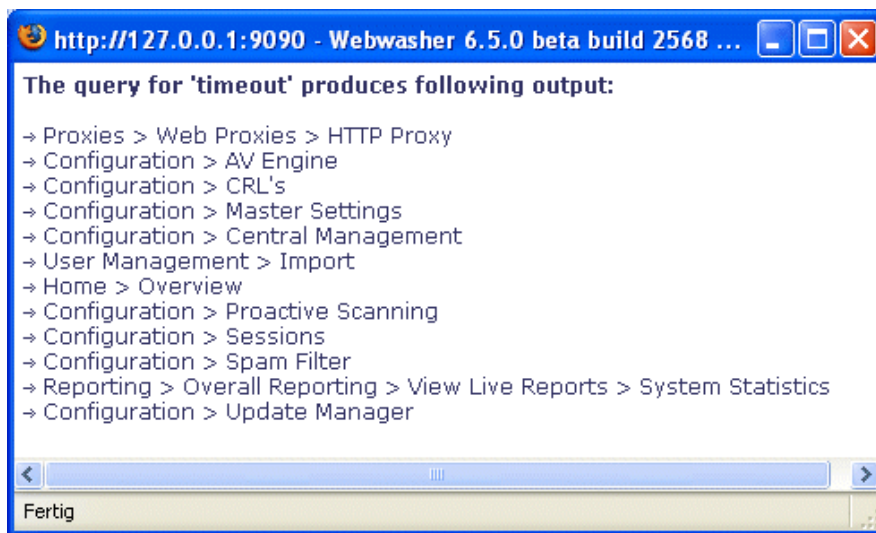
A *Search* input field and button are located in the top right corner of the Web interface area.



Using these, you can start keyword queries of the entire Web interface by entering a search term in the input field and clicking on the *Search* button:



The search output will be presented in a separate window, which displays a list of the tabs the search term was found on and the paths leading to them:



Clicking on any of the entries displayed in the list will take you to the corresponding tab.

Note: In order to be able to use the search function, make sure JavaScript is enabled.

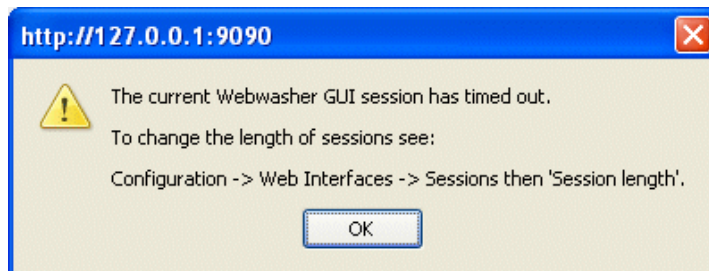
Session Length

When working with the Web interface, you need to mind the session length.

This interval can be configured in the *Session Options* section of the *Sessions* tab under *Configuration > Web Interfaces*.

After modifying the interval specified there, click on [Apply Changes](#) to make the modification effective.

When a session has timed out, the following notification is displayed:



Click [OK](#) to acknowledge the notification. After clicking on a tab or button of the Web interface, the login window opens, where you can login again and start a new session.

System Information

At the top of the Web interface area, system information is provided on the current Webwasher session. This information includes:

- Version and build of the Webwasher software
- Name of the system Webwasher is running on
- Name of the user logged in for the current session, e. g. [Admin](#)
- Role assigned to this user, e. g. [Super Administrator](#)
- Permissions granted to this user, e. g. [read/write](#)

1.4

Other Documents

This guide belongs to a series of documents provided for users of the Webwasher Web Gateway Security products. The following sections give an overview of them.

The Webwasher user documentation can be viewed after navigating to the [Manuals](#) tab of the Web interface.

It can also be viewed on the Webwasher Extranet and in the Secure Computing Resource Center.

The following is provided in this section for the Webwasher Web Gateway Security products:

- An overview of the documents on the main products, see [1.4.1](#)
- An overview of the documents on products for special tasks and environments, see [1.4.2](#)

1.4.1 Documentation on Main Products

This section introduces the user documentation on the main Webwasher Web Gateway Security products.

Document Group	Document Name	What about?
General Documents	Deployment Planning Guide	Is Webwasher suited to my environment?
	Installation Guide	How to install Webwasher?
	Quick Configuration Guide	First steps to get Webwasher running.
	System Configuration Guide	Features for configuring Webwasher within the system environment.
	Advanced Configuration Guide	More sophisticated configuration tasks.
	Upgrade Guide	What should I know when upgrading to a new Webwasher release?
Product Documents	User's Guide URL Filter	Features for configuring URL filtering policies.
	User's Guide Anti-Virus	Features for configuring anti-virus filtering policies.
	User's Guide Anti-Malware	Features for configuring anti-malware filtering policies.
	User's Guide Anti-Spam	Features for configuring anti-spam filtering policies.
	User's Guide SSL Scanner – <i>this document</i>	Features for configuring SSL-encrypted traffic filtering policies.
Reference Document	Reference Guide	Items concerning more than product, e. g. features for customizing actions or log files.

1.4.2 Documentation on Special Products

This section introduces the user documentation on the Webwasher Web Gateway Security products for special tasks and environments.

Document Group	Document Name	What about?
Content Reporter Documents	Content Reporter Installation and Configuration Guide	Installing and configuring the Webwasher Content Reporter, which is done separately from the main products.
	Content Reporter User's Guide for Reporting	Creating reports.
Instant Message Filter Documents	Instant Message Filter Installation and Configuration Guide	Installing and configuring the Webwasher Instant Message Filter, which is done separately from the main products.
	User's Guide Instant Message Filter	Description of features.
Special Environment Documents	Setting Up Webwasher on Microsoft ISA Server	Setting up Webwasher or a product running with it in a special environment.
	Setting Up Webwasher with Blue Coat	See above.
	Setting Up NetCache with ICAP	See above.
	NTLM Agent Set-up Guide	Setting up an additional Webwasher product to enable authentication using the NTLM method on platforms other than Windows.
	HSM Agent Set-up Guide	Setting up an additional Webwasher product to enable use of a HSM (High Security Module) device.
Appliances Documents	Appliances Installation and Configuration Guide	Installing and configuring the Webwasher appliances.
	Appliances Upgrade Guide	What should I know when upgrading to a new release of the Webwasher appliances?






1.5

The Webwasher Web Gateway Security Products

The Webwasher Web Gateway Security products provide an optimal solution for all your needs in the field of Web gateway security.



They are unique in that they offer best-of-breed security solutions for individual threats and at the same time a fully integrated architecture that affords in-depth security and cost/time savings through inter-operability.

A brief description of these products is given in the following.

	Webwasher® URL Filter	Helps you boost productivity by reducing non-business related surfing to a minimum, thus curbing your IT costs. Suppresses offensive sites and prevents downloads of inappropriate files, thus minimizing risks of legal liabilities.
	Webwasher® Anti-Virus	Combines the strength of multiple anti-virus engines concurrently scanning all Web and e-mail traffic. The Proactive Scanning filtering technology additionally detects and blocks unknown malicious code, not relying on time-delayed virus pattern updates. This combination provides in-depth security against a multitude of threats while offering unmatched performance through use of the Anti-Virus PreScan technology.
	Webwasher® Anti-Malware	Offers in-depth security against all kinds of malicious code, such as aggressive viruses, potentially unwanted programs, spyware, day-zero attacks and blended threats not covered by traditional anti-virus and firewall solutions. The highly efficient anti-malware engine is used in combination with the Proactive Scanning filtering technology.
	Webwasher® Anti-Spam	Offers complete protection of the central Internet gateway. The highly accurate spam detection filters stem the flood of unwanted spam mail before it reaches the user's desktop. Your systems will not be impaired, the availability of valuable internal mail infrastructures, such as group servers, is thus maintained.
	Webwasher® SSL Scanner – <i>this product</i>	Helps you protect your network against attacks via the HTTPS protocol and prevents the disclosure of confidential corporate data, as well as infringements of Internet usage policies, thus ensuring that no one is illicitly sharing sensitive corporate materials.

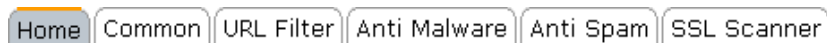
See next page

These two products have their own user interfaces, which are described in the corresponding documents:

	Webwasher® Content Reporter	Features a library of rich, customizable reports based on built-in cache, streaming media, e-mail activity, Internet access and content filtering queries, all supported by unmatched convenience and performance features.
	Webwasher® Instant Message Filter	Detects, reports and selectively blocks the unauthorized use of high-risk and evasive P2P and IM from enterprise networks and scans network traffic for characteristics that match the corresponding protocol signatures.

Home

The features that are described in this chapter are accessible over the *Home* tab of the Web interface:



These are basic features that are common to the SSL Scanner and other Web-washer products, e. g. system alerts, contacting the support, licensing features, etc.

The upcoming sections describe how to handle these features. The description begins with an overview.

2.1 Overview

The following overview shows the sections that are in this chapter:

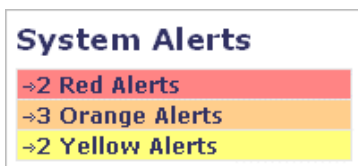
User's Guide – Webwasher SSL Scanner	
<i>Introduction</i>	
Home	Overview – <i>this section</i>
	Dashboard, see 2.2
	Overview (Feature), see 2.3
	Support, see 2.4
	TrustedSource, see 2.5
	Manuals, see 2.6
	Preferences, see 2.7
	License, see 2.8
<i>Common</i>	
<i>SSL Scanner</i>	

2.2 Dashboard

The dashboard is invoked by clicking on the corresponding button under *Home*:



After invoking the dashboard, the number and quality of system alerts is displayed on the left side of the interface area:



Clicking on each of the alert lines takes you to the *Overview* tab, where the meaning of the alerts is explained and what to do about them, see also [2.3.1](#).

The dashboard provides the following tabs:



They are described in the upcoming sections:

- *Executive Summary*, see [2.2.1](#)
- *Traffic Volume*, see [2.2.2](#)
- *System*, see [2.2.3](#)

Before this is done, however, the following subsection provides some general information on the dashboard.

Handling the Dashboard

The dashboard allows you to view summary information on a number of Webwasher and system parameters at a glance. This information is in most cases displayed with regard to a particular time interval, e. g. the number of URLs that were filtered by Webwasher over the last three hours.

If percentages were calculated for a group of related parameter values, they are shown by means of a pie chart on the left side of the corresponding tab section:

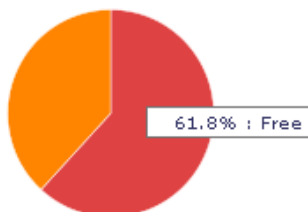
Memory Utilization (Physical Memory)

Average (last 1 Hour)

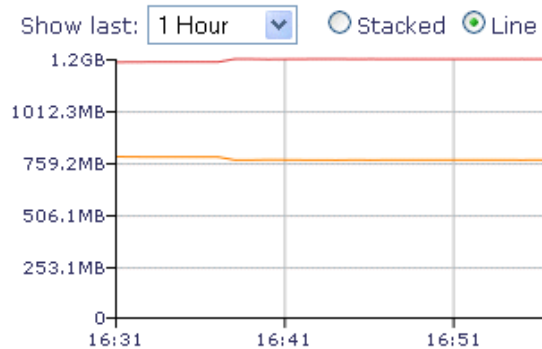
<input checked="" type="checkbox"/>	Free
<input checked="" type="checkbox"/>	Used



By hovering over the sections of the pie chart with the mouse cursor, you can display the individual percentages:



On the right side of a section, parameter values are shown as they developed in time, using either a line or a stacked mode, see also further below:



More information about the values that are measured and displayed is provided in the upcoming sections.

The following activities can be performed for most of the dashboard values:

- *Selecting categories*

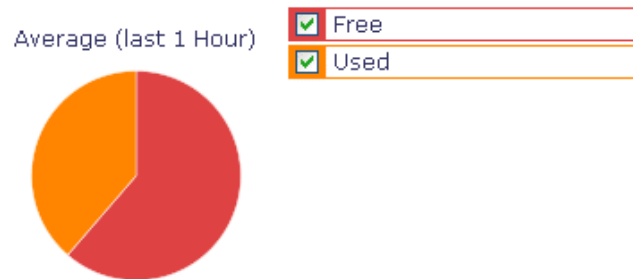
You can select the categories you want to have values displayed for with regard to a particular parameter. To do this, just mark or clear the check-boxes next to the categories:

<input checked="" type="checkbox"/>	Good
<input type="checkbox"/>	Blocked by AV Engine
<input type="checkbox"/>	Blocked by Proactive
<input checked="" type="checkbox"/>	Blocked by URL Filter

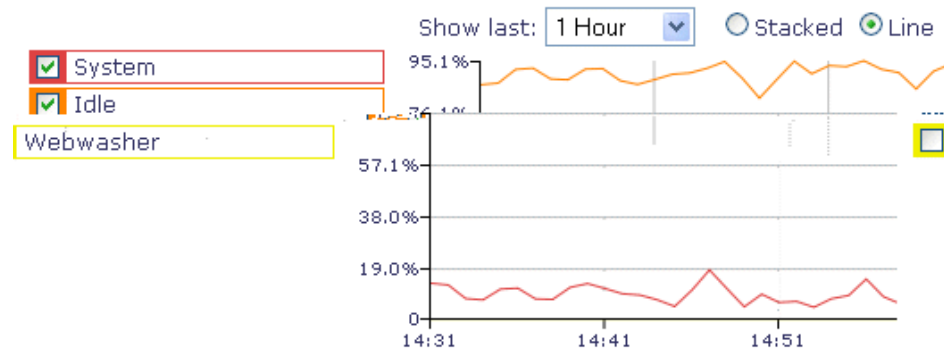
In the above example, only the values (numbers in this case) of URLs that were “good”, i. e. passed all filtering, are selected for display, together with those that were blocked by the URL Filter, but omitting those that were blocked by an anti-virus engine or by Proactive Scanning.

After selecting or deselecting a category, it is immediately displayed or removed from display.

Note that the color of a category in the selection list is also used when the category is displayed in proportion to other categories by means of a pie chart.

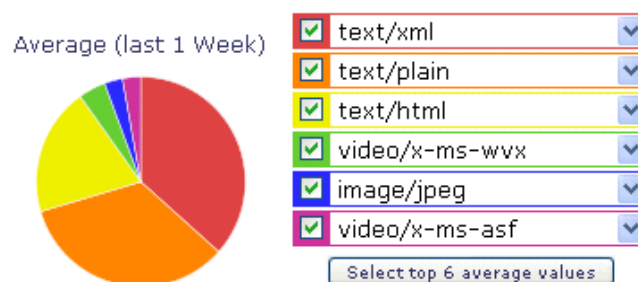


Furthermore, this color is used to represent the category in stacked or line mode:



There is a limit to the display of some parameters. There may be values in more than six categories for these parameters, but only six categories and their values are shown at the same time.

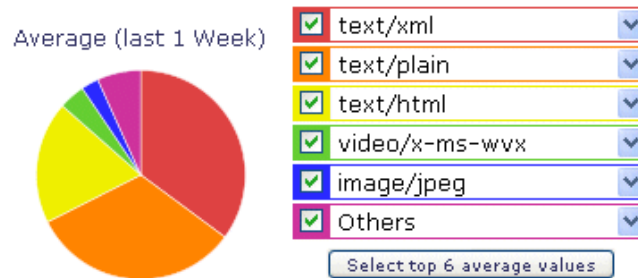
By default, these are the categories with the top six values. You can, however, select other categories for display, using the drop-down lists, which are provided with the categories, but not more than six:



If you have made your own selection of categories, a click on the button labeled *Select top 6 average values* will again display the six top value categories.

Since only the categories are shown that yielded the top six values or the categories you selected on your own, values that may have occurred in other categories are ignored here.

To get a representation of the total amount of values, you need to select *Others* as a category:

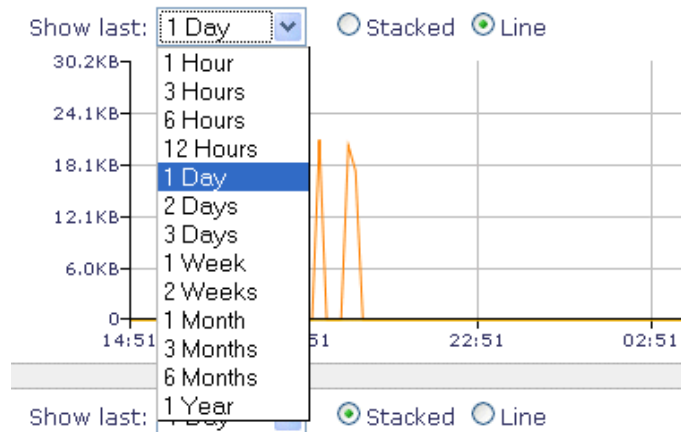


The values for five selected categories will then be shown, together with *Others*, which means that actually all categories and their values are covered.

- *Selecting a time interval*

You can select the time interval you want to view values for.

Use the *Show last* drop-down list provided in the corresponding tab section to do this:

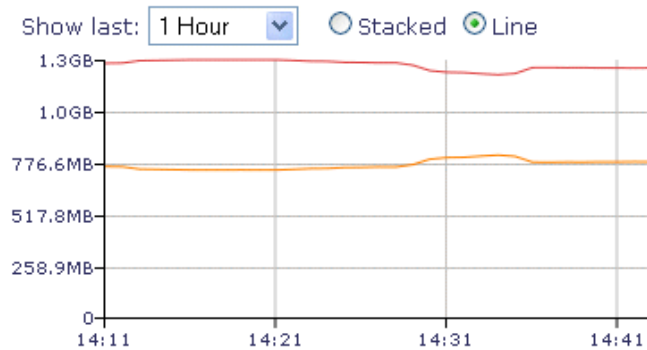


The time scale and values displayed for the categories are immediately adapted according to the selected time interval.

- *Selecting stacked or line mode*

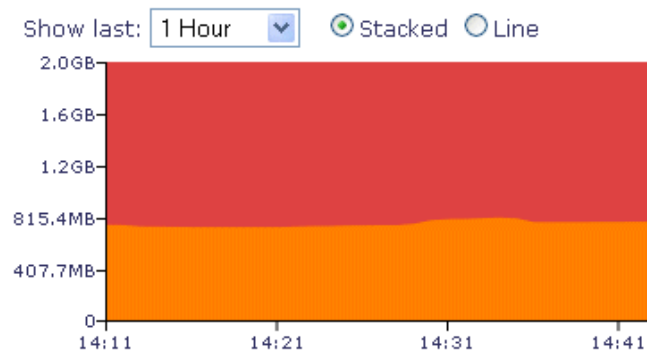
You can have parameter values displayed in stacked or line mode:

- In line mode, lines are displayed to represent the development of values within a given time interval:



- In stacked mode, filled-out areas are displayed to represent the development of values within a given time interval, but with value areas “stacked” one on top of the other.

This means that you are always shown sums of values in this mode:



For this reason, the value scale changes when switching from line to stacked mode since it takes more of a scale to display values in stacked than in line mode.

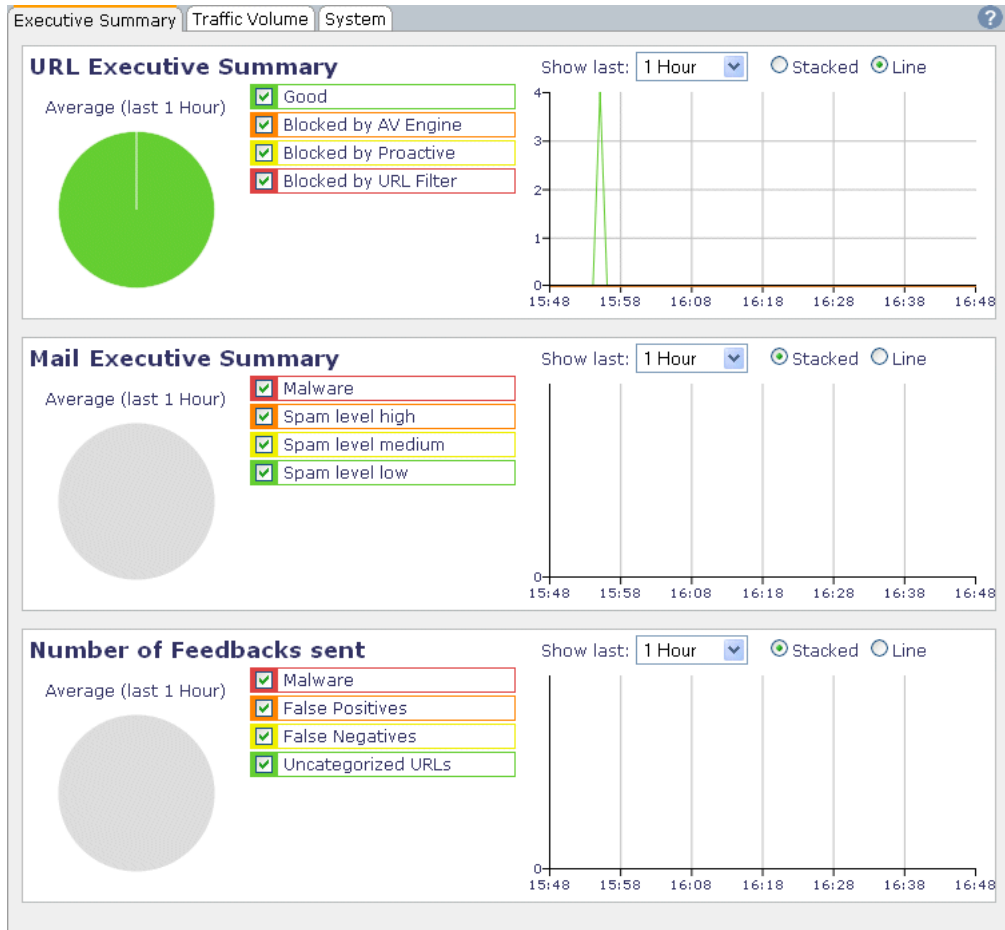
To select either stacked or line mode, check the corresponding radio button in a tab section:

Stacked Line

The mode of display is immediately adapted according to what you selected.

2.2.1 Executive Summary

The *Executive Summary* tab looks like this:



There are three sections on this tab:

- *URL Executive Summary*
- *Mail Executive Summary*
- *Number of Feedbacks Sent*

They are described in the following.

URL Executive Summary

The *URL Executive Summary* section displays the number of URLs that were processed by the Webwasher filters within a given time interval and either passed without restrictions or were blocked by one of these filters.

Values are shown for the following action categories:

- *Good*

This category is for URLs that passed the Webwasher filters without any restrictions.

- *Blocked by AV Engine*

This category is for URLs that were blocked by one of the anti-virus engines implemented within Webwasher.

- *Blocked by Proactive*

This category is for URLs that were blocked due to the configuration of the Webwasher Proactive Scanning Filter.

- *Blocked by URL Filter*

This category is for URLs that were blocked due to the configuration of the Webwasher URL Filter.

Mail Executive Summary

The *Mail Executive Summary* section displays the number of e-mails that were processed by the Webwasher filters within a given time interval.

The section is only displayed, however, if Webwasher is configured as an e-mail gateway. The corresponding option is enabled under *Proxies*, see also the System Configuration Guide Webwasher Web Gateway Security.

Values are shown for the following e-mail categories:

- *Malware*

This category is for e-mails that were found to contain malware.

- *Spam level high*

This category is for e-mails that were classified as high-level spam.

- *Spam level medium*

This category is for e-mails that were classified as medium-level spam.

- *Spam level low*

This category is for e-mails that were classified as low-level spam.

Number of Feedbacks Sent

The *Number of Feedbacks Sent* section displays the number of feedbacks that were sent to Webwasher by customers within a given time interval.

Customers can send these feedbacks using the link provided in the *URL Filter Database Feedback* section on the *Feedback* tab under *Home > TrustedSource*.

Values are shown for the following feedback categories:

- *Malware*

This category is for feedbacks submitting samples of malware.

- *False Positives*

This category is for feedbacks concerning e-mails that were incorrectly marked as spam by Webwasher.

- *False Negatives*

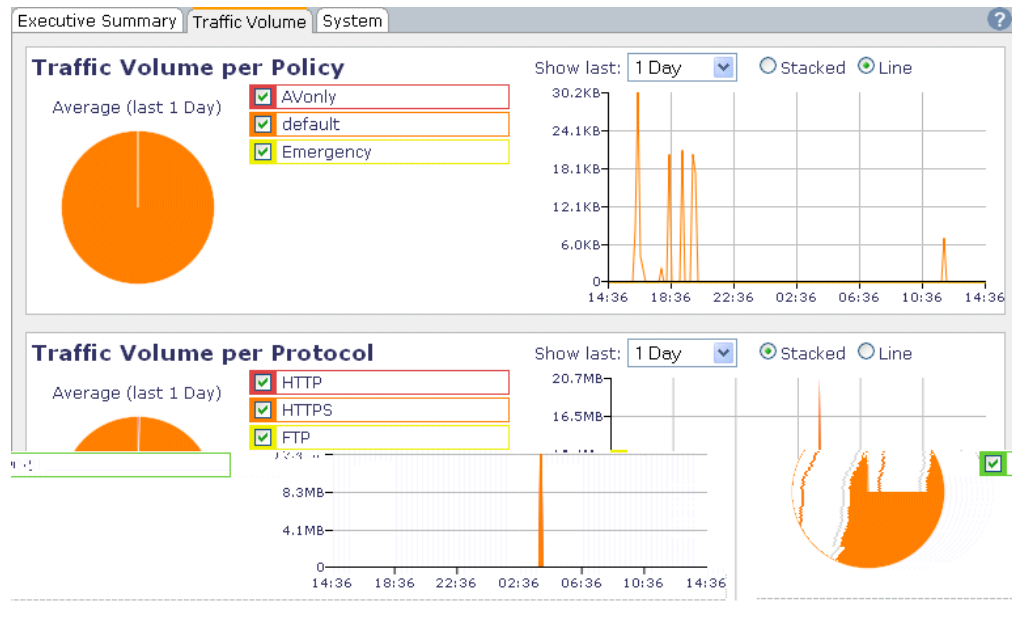
This category is for feedbacks concerning spam e-mails that were not marked by Webwasher as such.

- *URLs*

This category is for feedbacks concerning URLs.

2.2.2 Traffic Volume

The *Traffic Volume* tab looks like this:



There are two sections on this tab:

- *Traffic Volume per Policy*
- *Traffic Volume per Protocol*

They are described in the following.

Traffic Volume per Policy

The *Traffic Volume per Policy* section displays the traffic volume (in bytes, see also the Prefix List at the end of this subsection) for the various policies that have been configured under Webwasher. These may be the default policies, but also policies that you have set up yourself. Volumes for policies are displayed as they occurred within a given time interval.

Note that not more than six volumes for different policies are shown at the same time. For more information about how to have volumes shown, see the subsection labeled [Handling the Dashboard](#) at the beginning of [2.2](#).

Values for the following policies are shown by default:

- *AVonly*
- *default*

- [Emergency](#)

[Prefix List](#)

The list below shows the prefixes that are used for multiples of bytes, with byte values calculated in binary mode, to measure and display, e. g. traffic volumes.

It also shows the use of these prefixes with regard to multiples of 10 to measure and display other values, e. g. numbers of hits.

Prefix List					
Symbol	Name	ByteSymbol	Byte Unit	Binary Value	Decimal Value
–	–	<i>B</i>	Byte	2^0	10^0
<i>K</i>	Kilo	<i>KB</i>	Kilobyte	2^{10}	10^3
<i>M</i>	Mega	<i>MB</i>	Megabyte	2^{20}	10^6
<i>G</i>	Giga	<i>GB</i>	Gigabyte	2^{30}	10^9
<i>T</i>	Tera	<i>TB</i>	Terabyte	2^{40}	10^{12}
<i>P</i>	Peta	<i>PB</i>	Petabyte	2^{50}	10^{15}
<i>E</i>	Exa	<i>EB</i>	Exabyte	2^{60}	10^{18}
<i>Z</i>	Zetta	<i>ZB</i>	Zettabyte	2^{70}	10^{21}
<i>Y</i>	Yotta	<i>YB</i>	Yottabyte	2^{80}	10^{24}

Traffic Volume per Protocol

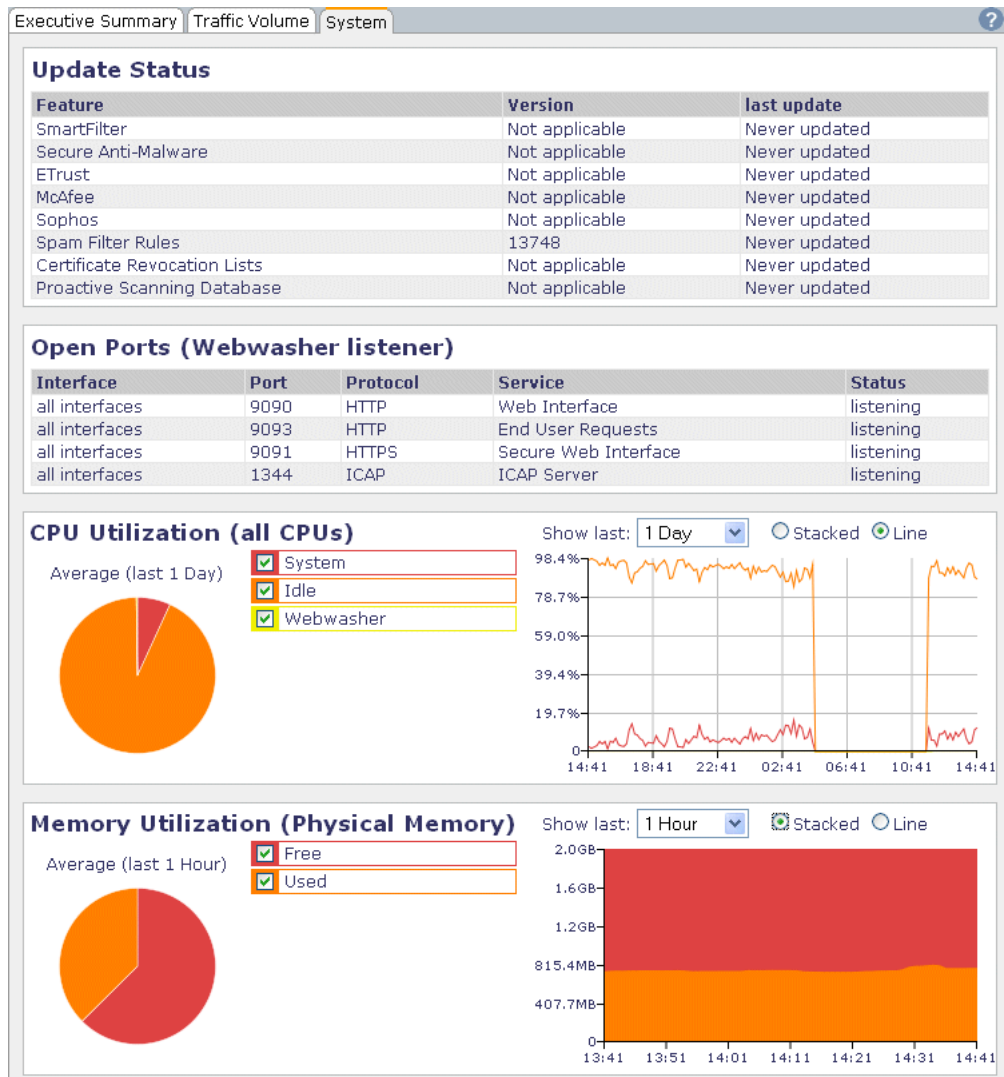
The [Traffic Volume per Protocol](#) section displays the traffic volume (in bytes) that occurred on the connections used by Webwasher under the different protocols within a given time interval.

Values are shown for the following protocols:

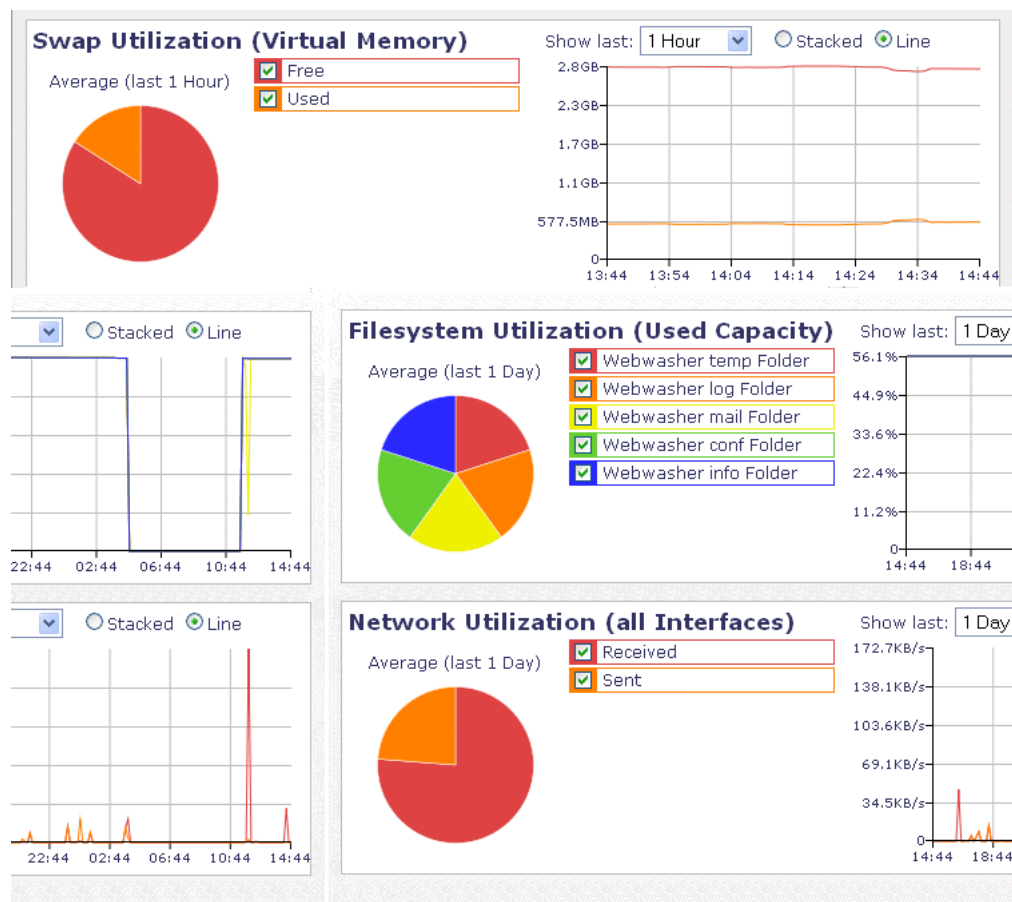
- [HTTP](#)
- [HTTPS](#)
- [FTP](#)
- [Mail](#)

2.2.3 System

The *System* tab is shown here in two parts because of its size. The upper part of the tab looks like this:



The lower part looks like this:



There are seven sections on this tab:

- *Update Status*
- *Open Ports*
- *CPU Utilization*
- *Memory Usage*
- *Swap Utilization*
- *Filesystem Utilization*
- *Network Utilization*

They are described in the following.

Update Status

The *Update Status* section displays the status of several Webwasher filtering features, e. g. SmartFilter, Secure Anti Malware, etc., which can be updated to ensure that the latest filtering rules, methods, signatures, etc. are used by Webwasher.

The following information is displayed for each feature:

- *Feature*
Name of the feature
- *Version*
Version of the feature
- *Last Update*
Time when the feature was last updated

Open Ports

The *Open Ports (Webwasher Listener)* section displays the various ports that are currently open, with Webwasher listening for requests sent over these ports.

The following information is displayed for each port:

- *Interface*
IP address of site communicating with Webwasher over the port
- *Port*
Port number
- *Protocol*
The protocol under which communication is going on over the port
- *Service*
The service Webwasher delivers over the port, e. g. acting as HTTP proxy
- *Status*
The status Webwasher has with regard to the port, e. g. *listening*

CPU Utilization

The *CPU Utilization (All CPUs)* section shows to what extent the CPUs of the system Webwasher is running on have been used. within a given time interval.

Values are shown for the following categories of CPU utilization:

- *System*
The percentage of the CPU utilization caused by the system
- *Idle*
The percentage of idle time
- *Webwasher*
The percentage of the CPU utilization caused by Webwasher

Memory Utilization

The *Memory Utilization (Physical Memory)* section displays the percentages and absolute values (in bytes) of free and used physical memory of the system Webwasher is running on within a given time interval.

Values are shown for the following categories of memory utilization:

- *Free*
Amount of physical memory that was free
- *Used*
Amount of physical memory that was used

Swap Utilization

The *Swap Utilization (Virtual Memory)* section displays the percentages and absolute values (in bytes) of free and used swap memory of the system Webwasher is running on within a given time interval.

Values are shown for the following categories of swap utilization:

- *Free*
Amount of swap memory that was free

- *Used*

Amount of swap memory that was used

Filesystem Utilization (Used Capacity)

The *Filesystem (Used Capacity)* section displays the percentages of used memory on the file systems where the various Webwasher folders reside. Memory values are shown as they occurred within a given time interval.

They are shown for the following folders:

- *Webwasher temp Folder*
- *Webwasher log Folder*
- *Webwasher mail Folder*
- *Webwasher conf Folder*
- *Webwasher info Folder*

Network Utilization

The *Network Utilization (All Interfaces)* section displays the percentages and absolute values (in bytes) of network utilization for requests that were received or sent by Webwasher over all its interfaces within a given time interval.

Values are shown for the following request categories:

- *Received*

Requests received over the network

- *Sent*

Requests sent over the network

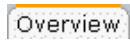
2.3

Overview (Feature)

The *Overview* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tab:



They are described in the upcoming section:

-

2.3.1 Overview (Feature)

The *Overview* tab looks like this:

System Alerts - Displays important system warnings and messages

- At least one Anti Virus engine cannot be loaded. → **Download new AV engine**
- The URL Filter Database cannot be loaded. → **Download a new URL Filter Database**
- The default root certificate is used by SSL Scanner. In order to avoid security problems → **create your own certificate.**
- There has been no Anti Virus update check for at least 3 days. → **Check Update Manager**
- Spam Filter method "Real-Time Blackhole Lists" cannot operate without further setup. → **Setup RBL filter.**
- Email server for notification delivery is not defined. → **Define server and sender.**
- Recipient for system notifications is not set. → **Enter email address.**

System Summary - Displays the latest system modifications and updates

System Settings	System	Sat Jan 13 03:54:33 2007
Current Policy (default)	Admin	Sat Jan 13 03:59:38 2007
→ URL Filter Database	Database Number: Not available	Never updated
→ Anti Virus Engine and Signatures	Cannot load Secure Anti-Malware engine Cannot load CA ETrust engine Cannot load McAfee engine Cannot load Sophos scan engine	Never updated
→ Spam Filter Rules	Database Number: 13748	Sat Jan 13 03:55:03 2007
→ Certificate Revocation Lists		Never updated
→ Proactive Scanning Database	Database Number: 0	Never updated

One-Click Lockdown - Use single strict policy



Version Information

Version	6.5.0 beta
Build Number	2568
Part Number	91-0946613-A
Build Date	Jan 12 2007
Operating System	Windows

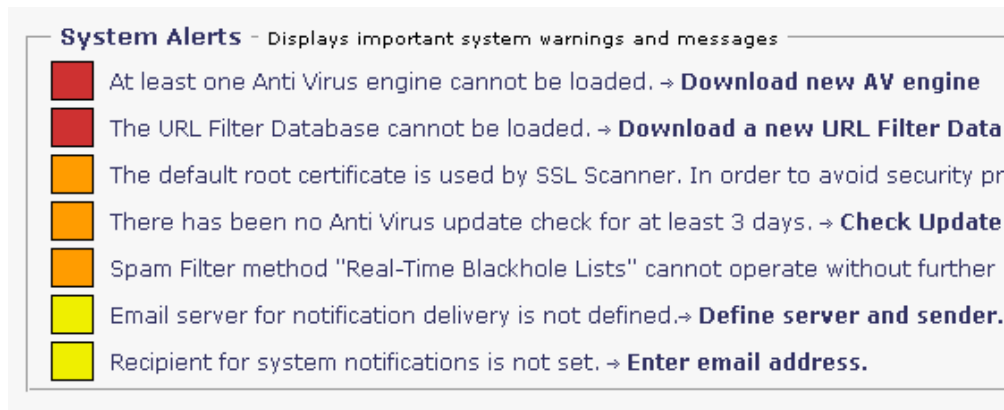
There are four sections on this tab:

- *System Alerts*
- *System Summary*
- *One-Click Lockdown*
- *Version Information*

They are described in the following.

System Alerts

The *System Alerts* section looks like this:



This section displays alerts to make you aware of any problems concerning the system status. The function underlying these alerts is also known as “Security Configurator”.

To the left of each alert text, a field in red, orange, or yellow color indicates the relative importance of the alert.

To the right of each alert text, a link is displayed. Click on this link to navigate to a tab where you can configure the relevant settings as a measure against the problem that caused the alert.

So, e. g., the warning *There has been no Anti Virus update check for at least 3 days* is followed by a link labeled *Check Update Manager*.

Clicking on that link will take you to the *AV Engine* tab, where an update of the kind requested by the alert can be performed.

An alert is repeated on tab or tabs dealing with the topic in question.

So, e. g. the warning *There has been no Anti Virus update check for at least 3 days*, is repeated on the *General Settings* tab, which is provided for configuring the general settings of virus scanning.

System Summary

The *System Summary* section looks like this:

System Settings	Admin
Current Policy (default)	Admin
→ URL Filter Database	Database Number: 1509
→ Anti Virus Engine and Signatures	Secure Anti-Malware - 6035.18.1 Computer Associates - ETrust In (2006-6-13) McAfee Antivirus - Engine '5.0.00 Version 4782 Sophos 2381-4.06 (123312 virus
→ Spam Filter Rules	Database Number: 9954
→ Certificate Revocation Lists	
→ Proactive Scanning Database	Database Number: 0

This section displays information on the system status.

Information is provided on the user who is currently logged in and on the anti virus engines that are installed showing also their current versions.

Furthermore, the last updates of the databases containing the rules for filtering URLs, viruses and spam are displayed, as well as the version of the certificate revocation list.

Clicking on the links that are provided here, e. g. on the *Proactive Scanning Database* link, will take you to the corresponding *Update Manager* tabs, where you can configure and manually perform updates of the databases.

One-Click Lockdown

The *One-Click Lockdown* section looks like this:

One-Click Lockdown - Use single strict policy

Activate emergency

Using this section, you can enable an emergency mode to apply a single strict policy overruling all other policies.

This might be useful in a situation when, e. g. a new virus emerges. You may then want to replace all policies that were configured for different users and user groups by one single policy, which is rather strict and binding for all.

To enable the emergency mode:

- Click on the [Activate emergency mode](#) button.

This button is a toggle switch. After enabling the emergency mode, the inscription on it will read [Back to normal mode](#).

To disable the emergency mode:

- Click on the [Back to normal mode](#) button.

When the emergency mode is enabled, there is also an alert in the [System Alerts](#) section of this tab to remind you it is enabled:

 Emergency profile used for all connections. → **Turn it off when not necessary.**

It is recommended to turn the emergency mode off when it is no longer needed.

To select the policy that will be used under the emergency mode, go to the [Mapping Process](#) section on the [Web Mapping](#) tab under [User Management > Policy Management](#).

The default policy to be applied under the emergency mode is a policy named [Emergency](#). You may also retain this policy and its settings or modify them according to your requirements.

Version Information

The [Version Information](#) section looks like this:

Version Information	
CSM Suite	6.0.0 Beta
Build Number	2410
Part Number	101-0946150-A
Build Date	Aug 31 2006
Operating System	Windows
<input type="button" value="Check for New Versions"/>	

This section displays information on the product version and also some related information, such as the current software build or the operating system Web-washer is running on.

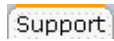
To see if there is a newer version of the software available, click on the [Check for New Versions](#) button.

2.4 Support

The *Support* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tab:

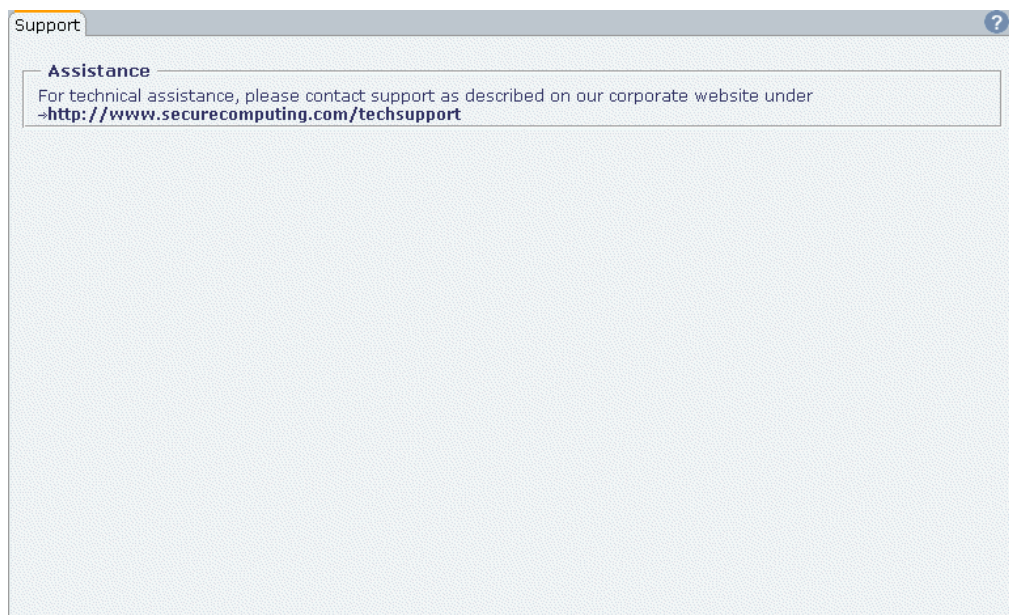


They are described in the upcoming section:

- *Support*, see [2.4.1](#)

2.4.1 Support

The *Support* tab looks like this:



There is one section on this tab:

- *Assistance*

It is described in the following.

Assistance

The *Assistance* section provides a link to contact the Secure Computing technical support team.

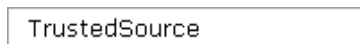
A click on this link takes you to the Welcome Page of this team.

Please read the information on this page and complete the activities described there in order to get the support you require.

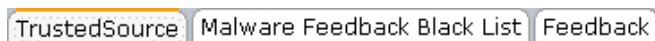
2.5

TrustedSource

The *TrustedSource* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tabs:



They are described in the upcoming section:

- *TrustedSource*, see [2.5.1](#)
- *Malware Feedback Black List*, see [2.5.2](#)
- *Feedback*, see [2.5.3](#)

2.5.1 TrustedSource

The *TrustedSource* tab looks like this:

The screenshot shows the 'TrustedSource' tab with four sections for configuring feedback queues. Each section has a checkbox, a title, a description, and input fields for SMTP queue, send interval, and email address.

- Spam False Positives Feedback Queue**: allows to send feedback to Webwasher to improve spam filter. SMTP queue: FeedbackFalsePositives. Send interval: 240 minutes. E-Mail Address: FalsePositivesFeedback@WillBeCaughtByWebwasher.com.
- Spam False Negatives Feedback Queue**: allows to send feedback to Webwasher to improve spam filter. SMTP queue: FeedbackFalseNegatives. Send interval: 240 minutes. E-Mail Address: FalseNegativesFeedback@WillBeCaughtByWebwasher.com.
- Malware Feedback Queue**: allows to send feedback to Webwasher to improve malware filter. SMTP queue: FeedbackMalware. Send interval: 240 minutes.
- URL Feedback**: allows to send feedback about uncategorized URLs to Webwasher to improve URL filter. Send interval: 240 minutes.

There are four sections on this tab:

- *Spam False Positives Feedback Queue*
- *Spam False Negatives Feedback Queue*
- *Malware Feedback Queue*
- *URL Feedback*

They are described in the following.

Spam False Positives Feedback Queue

The *Spam False Positives Feedback Queue* section looks like this:

The screenshot shows the configuration for the 'Spam False Positives Feedback Queue'. It includes a checkbox, a title, a description, and input fields for SMTP queue and send interval.

- Spam False Positives Feedback Queue**: allows to send feedback to Webwasher to improve
- SMTP queue to use: Infected → See Content of Queue
- Send interval in minutes: 240 (0 means no automatic send)

Using this section, you can configure the sending of feedback in order to improve the spam filter.

E-mails that were released from a queue after receiving a digest e-mail will be copied to the false positives queue and sent from there to Secure Computing.

This feature is not enabled by default. If you would like to help improve the spam filter, please mark the checkbox next to the section heading.

After specifying this setting and other settings in this section, click on [Apply Changes](#) to make these settings effective.

Use the following items to configure the false positives feedback:

- [SMTP queue to use](#)

From this drop-down list, select an e-mail queue. After being released from another queue, e-mails will be copied to this queue and later be sent to Secure Computing.

The queue should be used for no other purpose than that of collecting false positives since it will be cleared after e-mails have been sent off.

To see the e-mails that are in this queue, click on the [See Content of Queue](#) link next to the drop-down list.

- [Send interval in . . . minutes](#)

In the input field provided here, enter a time interval (in minutes) to specify the time that is to elapse between sending e-mails.

The default interval is 240 minutes. Entering 0 here means that no e-mails will be sent automatically.

E-mails can be sent manually, however, using the [Queue Management](#) page, which is launched after clicking on the [See Content of Queue](#) link next to the drop-down list.

On this page, click on the button labeled [Send All to SecureLabs now](#) to send the e-mails.

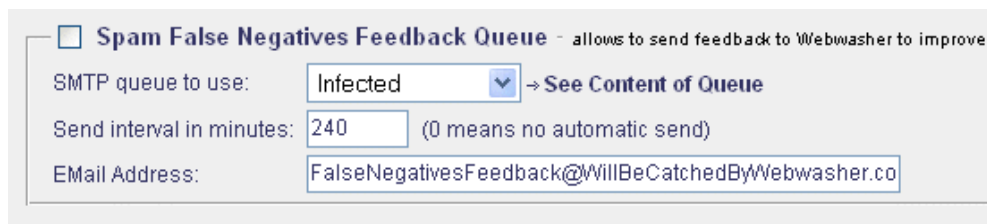
- [E-mail address](#)

In this input field, enter an e-mail address. All e-mails received by Web-washer containing this address will be moved to the queue specified above.

The default address is [FalseNegativesFeedback@WillBeCaughtBy-Webwasher.com](#).

Spam False Negatives Feedback Queue

The *Spam False Negatives Feedback Queue* section looks like this:



The screenshot shows a configuration panel for the 'Spam False Negatives Feedback Queue'. At the top, there is a checkbox labeled 'Spam False Negatives Feedback Queue' followed by the text '- allows to send feedback to Webwasher to improve'. Below this, there are three fields: 'SMTP queue to use:' with a dropdown menu set to 'Infected' and a link '→ See Content of Queue'; 'Send interval in minutes:' with an input field containing '240' and a note '(0 means no automatic send)'; and 'EMail Address:' with an input field containing 'FalseNegativesFeedback@WillBeCaughtByWebwasher.co'.

Using this section, you can configure the sending of feedback in order to improve the spam filter.

You can send e-mails that have erroneously not been classified as spam to an address that is configured in this section. After e-mails with this address have been received in the inbound queue of your Webwasher instance, they will be moved from there to the false negatives queue and later be sent to Secure Computing.

This feature is not enabled by default. If you would like to help improve the spam filter, please mark the checkbox next to the section heading.

After specifying this setting and other settings of this section, click on *Apply Changes* to make these settings effective.

Use the following items to configure the false negatives feedback:

- *SMTP queue to use*

From this drop-down list, select an e-mail queue. After being received in the inbound queue, an e-mail with the address specified further below will be moved to this queue as false negative and later be sent to Secure Computing.

The queue should be used for no other purpose than that of collecting false negatives since it will be cleared after e-mails have been sent off.

To see the e-mails that are in this queue, click on the *See Content of Queue* link next to the drop-down list.

- *Send interval in . . . minutes*

In the input field provided here, enter a time interval (in minutes) to specify the time that is to elapse between sending e-mails.

The default interval is 240 minutes. Entering 0 here means that no e-mails will be sent automatically.

E-mails can be sent manually, however, using the [Queue Management](#) page, which is launched after clicking on the [See Content of Queue](#) link next to the drop-down list.

On this page, click on the button labeled [Send All to SecureLabs](#) now to send the e-mails.

- [E-mail address](#)

In this input field, enter an e-mail address. All e-mails received by Webwasher containing this address will be moved to the queue specified above.

The default address is [FalseNegativesFeedback@WillBeCaughtBy-Webwasher.com](#).

Malware Feedback Queue

The [Malware Feedback Queue](#) section looks like this:



Malware Feedback Queue - allows to send feedback to Webwasher to improve malware filter

SMTP queue to use: → [See Content of Queue](#)

Send interval in minutes: (0 means no automatic send)

Using this section, you can configure the sending of feedback in order to improve the malware filter.

An e-mail that was classified as spam and contains an attachment where no virus was found, will be copied to the malware queue and later be sent to Secure Computing. Small downloads will also be copied to this queue if at least one of the Anti Virus engines or the Proactive Scanning filter detected a virus, but not all engines came to the same result.

This feature is not enabled by default. If you would like to help improve the malware filter, please mark the checkbox next to the section heading.

After specifying this setting and other settings in this section, click on [Apply Changes](#) to make these settings effective.

Use the following items to configure the malware feedback:

- [SMTP queue to use](#)

From this drop-down list, select an e-mail queue. E-mails and small downloads matching the criteria explained above will be moved to this queue as malware and later be sent to Secure Computing.

The queue should be used for no other purpose than that of collecting malware since it will be cleared after e-mails and downloads have been sent off.

To see the e-mails that are in this queue, click on the [See Content of Queue](#) link next to the drop-down list.

- [Send interval in . . . minutes](#)

In the input field provided here, enter a time interval (in minutes) to specify the time that is to elapse between sending e-mails.

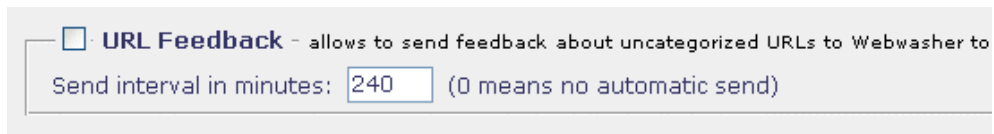
The default interval is 240 minutes. Entering 0 here means that no e-mails will be sent automatically.

E-mails can be sent manually, however, using the [Queue Management](#) page, which is launched after clicking on the [See Content of Queue](#) link next to the drop-down list.

On this page, click on the button labeled [Send All to SecureLabs now](#) to send the e-mails.

URL Feedback

The [URL Feedback](#) section looks like this:



URL Feedback - allows to send feedback about uncategorized URLs to Webwasher to
Send interval in minutes: (0 means no automatic send)

Using this section, you can configure the sending of feedback in order to improve the URL Filter.

URLs that have not yet been included and categorized in URL Filter Database, can be submitted to the URL Filter Database feedback service, using the link provided on the [Feedback](#) tab under [Home > TrustedSource](#).

The time interval for sending feedback is configured here.

This feature is not enabled by default. If you would like to help improve the URL filter, please mark the checkbox next to the section heading.

After specifying this setting and the setting for the send interval, click on [Apply Changes](#) to make these settings effective.

Use the following item to configure the URL feedback:

- [Send interval in . . . minutes](#)

In the input field provided here, enter a time interval (in minutes) to specify the time that is to elapse between sending e-mails.

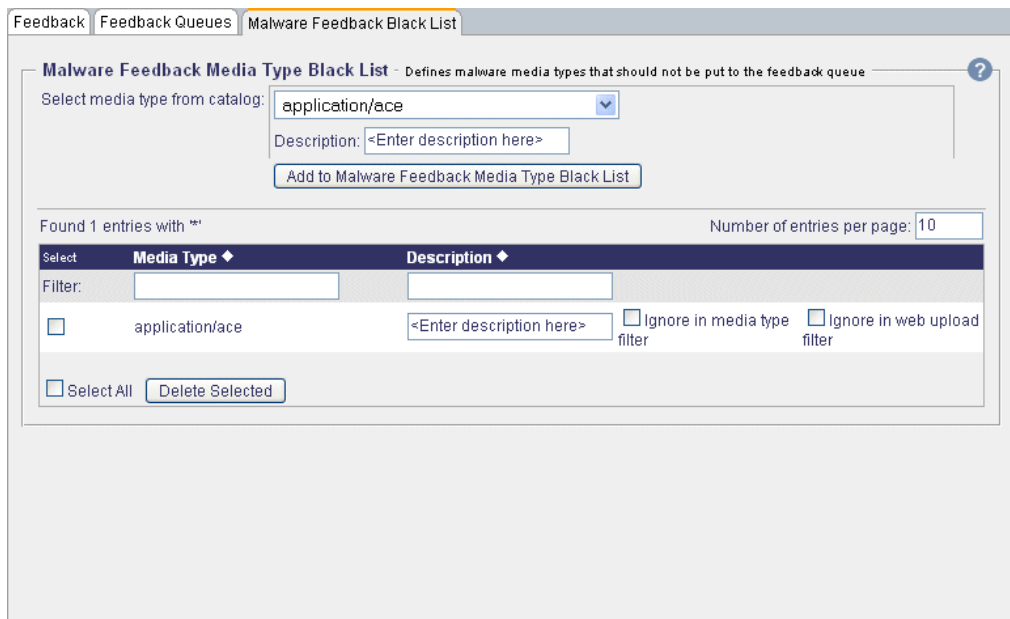
The default interval is 240 minutes. Entering 0 here means that no e-mails will be sent automatically.

E-mails can be sent manually, however, using the [Queue Management](#) page, which is launched after clicking on the [See Content of Queue](#) link next to the drop-down list.

On this page, click on the button labeled [Send All to SecureLabs now](#) to send the e-mails.

2.5.2 Malware Feedback Black List

The [Malware Feedback Black List](#) tab looks like this:



There is one section on this tab:

- [Malware Feedback Media Type Black List](#)

It is described in the following.

Malware Feedback Media Type Black List

The *Malware Feedback Media Type Black List* section looks like this:

Malware Feedback Media Type Black List - Defines malware media types that should not be put to

Select media type from catalog:

Description:

Found 1 entries with **

Select	Media Type	Description
<input type="checkbox"/>	application/ace	<Enter description here>

Select All

Using this section, you can add a media type to the Media Type Black List for malware feedback. Objects belonging to the media types on this list will not be entered in the malware feedback queue.

To add a media type to the black list, use the area labeled:

- *Select media type from catalog*

Select the media type you want to have blacklisted from the drop-down list provided here, e. g. *application/ace*.

Furthermore, use the following items when adding a media type:

— *Description*

Input in this field is optional. You may enter a description of the media type here.

— *Add to Malware Feedback Media Type Black List*

After selecting a media type, click on this button to add it to the list.

The Feedback Media Type Black List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Media Type* or *Description* column heading.

To edit an entry, type the appropriate text in the input field of the *Description* column and enable or disable the following options:

- *Ignore in media type filter*

If this option is enabled the media type in question will be ignored when the Media Type Filter is applied to Web and e-mail downloads.

- *Ignore ignore in web upload filter*

If this option is enabled the media type in question will be ignored when the Web Upload Filter is applied to outbound user-originating files via HTTP, HTTPS and FTP.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in the input field of the *Media Type* or *Description* column or in both and enter this using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

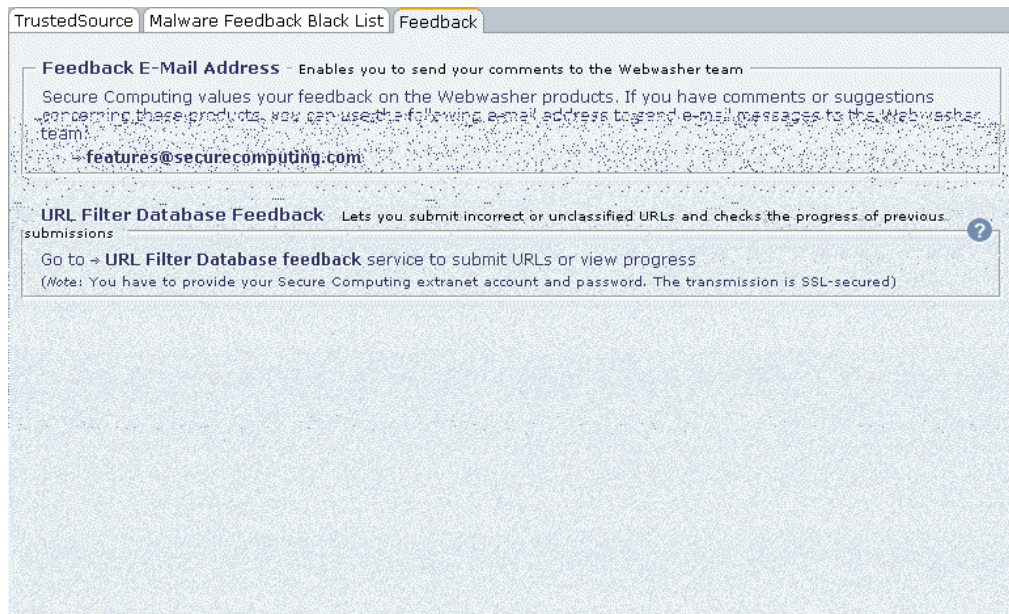
- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

2.5.3 Feedback

The *Feedback* tab looks like this:



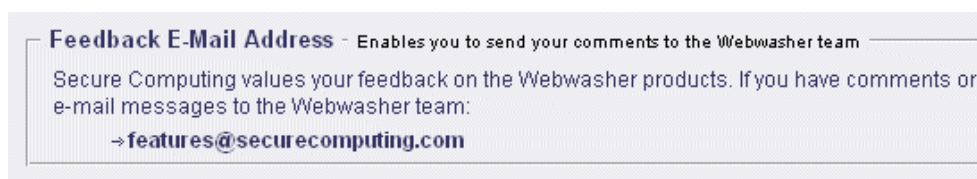
There are two sections on this tab:

- *Feedback E-Mail Address*
- *URL Filter Database Feedback*

They are described in the following.

Feedback E-Mail Address

The *Feedback E-Mail Address* section looks like this:



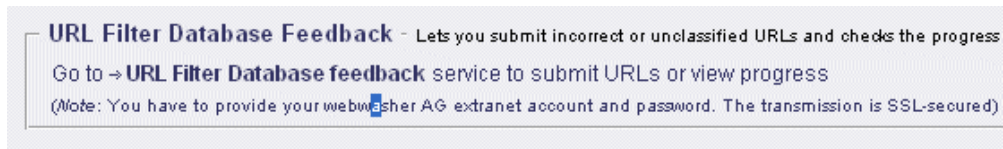
Using this section, you can send feedback concerning the Webwasher products to Secure Computing.

To send your feedback, click on the features@securecomputing.com link provided in this section.

This will open an e-mail message sheet, which you can fill in and send off.

URL Filter Database Feedback

The *URL Filter Database Feedback* section looks like this:



Using this section, you can submit uncategorized or incorrectly categorized URLs to Secure Computing.

To do this, click on the *URL Filter Database feedback* link provided in this section.

This will launch the login page for accessing the Webwasher Extranet. After successfully logging in there, a Welcome Page is displayed. On this page, click on the option labeled *Feedback system for URL Filter categorization*.

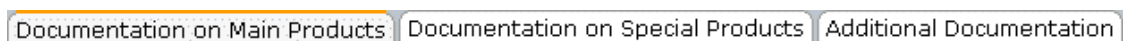
Then follow the instructions given on the *URL Filter Feedback* page.

2.6 Manuals

The *Manuals* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tabs:



They are described in the upcoming sections:

- *Documentation on Main Products*, see [2.6.1](#)
- *Documentation on Special Products*, see [2.6.2](#)
- *Additional Documentation*, see [2.6.3](#)

2.6.1 Documentation on Main Products

The *Documentation on Main Products* tab looks like this:

The screenshot shows a web interface with three tabs: 'Documentation on Main Products' (selected), 'Documentation on Special Products', and 'Additional Documentation'. The 'Documentation on Main Products' tab is active and contains three sections:

- General Documents** - Provide information about planning, installing and configuring Webwasher in general.
 - Deployment Planning Guide (→ PDF)
 - Installation Guide (→ PDF)
 - Quick Configuration Guide (→ PDF)
 - System Configuration Guide (→ PDF)
 - Advanced Configuration Guide (→ PDF)
 - Upgrade Guide (→ PDF)
- Product Documents** - Provide information about configuring and operating particular Webwasher products.
 - URL Filter User's Guide (→ PDF)
 - Anti Malware User's Guide (→ PDF)
 - Anti Virus User's Guide (→ PDF)
 - Anti Spam User's Guide (→ PDF)
 - SSL Scanner User's Guide (→ PDF)
- Reference Document** - Provides information about configuring items concerning more than one product, such as actions or URL filtering categories.
 - Reference Guide (→ PDF)

There are three sections on this tab:

- *General Documents*
- *Product Documents*
- *Reference Document*

They are described in the following.

General Documents

The *General Documents* section looks like this:

The screenshot shows the 'General Documents' section of the documentation. It contains a list of six documents:

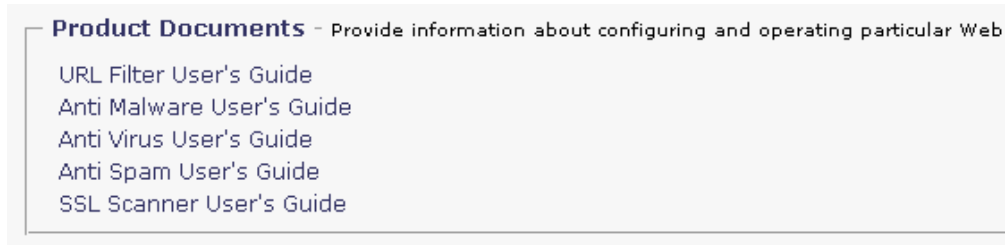
- Deployment Planning Guide
- Installation Guide
- Quick Configuration Guide
- System Configuration Guide
- Advanced Configuration Guide
- Upgrade Guide

This section allows you to view user documentation on planning, installing and configuring Webwasher in general.

To view any of the documents listed here, click on the [PDF](#) link in the same line. This will open a [.pdf](#) format version of the document.

Product Documents

The [Product Documents](#) section looks like this:

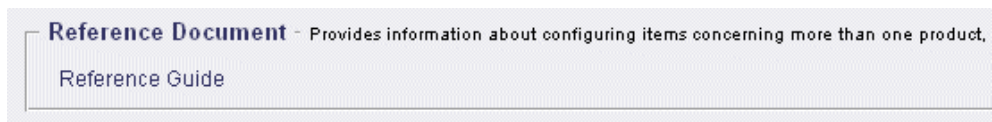


This section allows you to view user documentation on individual Webwasher products.

To view any of the documents listed here, click on the [PDF](#) link in the same line. This will open a [.pdf](#) format version of the document.

Reference Document

The [Reference Document](#) section looks like this:



This section allows you to view the Webwasher Reference Guide.

To view it, click on the [PDF](#) link in the same line. This will open a [.pdf](#) format version of the document.

2.6.2 Documentation on Special Products

The *Documentation on Special Products* tab looks like this:

Documentation on Main Products	Documentation on Special Products	Additional Documentation
<p>Content Reporter Documents - Provide information about installing, configuring and operating the Webwasher reporting tool</p> <p>Content Reporter Installation and Configuration Guide (→ PDF)</p> <p>Content Reporter User's Guide for Reporting (→ PDF)</p>		
<p>Instant Message Filter Documents - Provide information about installing, configuring and operating the Webwasher Instant Messenger</p> <p>Instant Message Filter Installation Guide (→ PDF)</p> <p>Instant Message Filter User's Guide (→ PDF)</p>		
<p>Special Environment Documents - Provide information about setting up Webwasher or products running with it in a special environment</p> <p>Setting Up NetCache with ICAP (→ PDF)</p> <p>Setting Up Webwasher® on Microsoft ISA Server (→ PDF)</p> <p>Setting Up Webwasher® with Blue Coat™ (→ PDF)</p> <p>NTML Agent Set-up Guide (→ PDF)</p> <p>HSM Agent Set-up Guide (→ PDF)</p>		
<p>Appliance Documents - Provide information about the Webwasher appliances</p> <p>Appliance Installation and Configuration Guide (→ PDF)</p> <p>Appliance Upgrade Guide (→ PDF)</p>		

There are four sections on this tab:

- *Content Reporter Documents*
- *Instant Message Filter Documents*
- *Special Environment Documents*
- *Appliance Documents*

They are described in the following.

Content Reporter Documents

The *Content Reporter Documents* section looks like this:

<p>Content Reporter Documents - Provide information about installing, configuring and operating the Web</p> <p>Content Reporter Installation and Configuration Guide</p> <p>Content Reporter User's Guide for Reporting</p>

This section allows you to view user documentation on the Webwasher reporting tool.

To view any of the documents listed here, click on the *PDF* link in the same line. This will open a *.pdf* format version of the document.

Instant Message Filter Documents

The *Instant Message Filter Documents* section looks like this:



Instant Message Filter Documents - Provide information about installing, configuring and operating the

- Instant Message Filter Installation Guide
- Instant Message Filter User's Guide

This section allows you to view user documentation on the Webwasher instant message filtering tool.

To view any of the documents listed here, click on the *PDF* link in the same line. This will open a *.pdf* format version of the document.

Special Environment Documents

The *Special Environment Documents* section looks like this:



Special Environment Documents - Provide information about setting up Webwasher or products running

- Setting Up NetCache with ICAP
- Setting Up Webwasher® on Microsoft ISA Server
- Setting Up Webwasher® with Blue Coat™
- NTML Agent Set-up Guide
- HSM Agent Set-up Guide

This section allows you to view user documentation on setting up Webwasher or products running with it in a special environment..

To view any of the documents listed here, click on the *PDF* link in the same line. This will open a *.pdf* format version of the document.

Appliance Documents

The *Appliance Documents* section looks like this:



Appliance Documents - Provide information about the Webwasher appliances

- Appliance Installation and Configuration Guide
- Appliance Upgrade Guide

This section allows you to view user documentation on the Webwasher appliance.

To view any of the documents listed here, click on the [PDF](#) link in the same line. This will open a [.pdf](#) format version of the document.

2.6.3 Additional Documentation

The [Additional Documentation](#) tab looks like this:



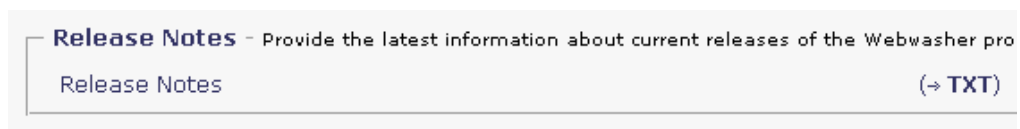
There is one section on this tab:

- [Release Notes](#)

It is described in the following.

Release Notes

The [Release Notes](#) section looks like this:



This section allows you to view release notes and other documents containing the latest information on the Webwasher products.

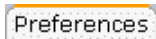
To view any of the documents listed here, click on the [TXT](#) link in the same line. This will open a [.txt](#) format version of the document.

2.7 Preferences

The *Preferences* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tab:

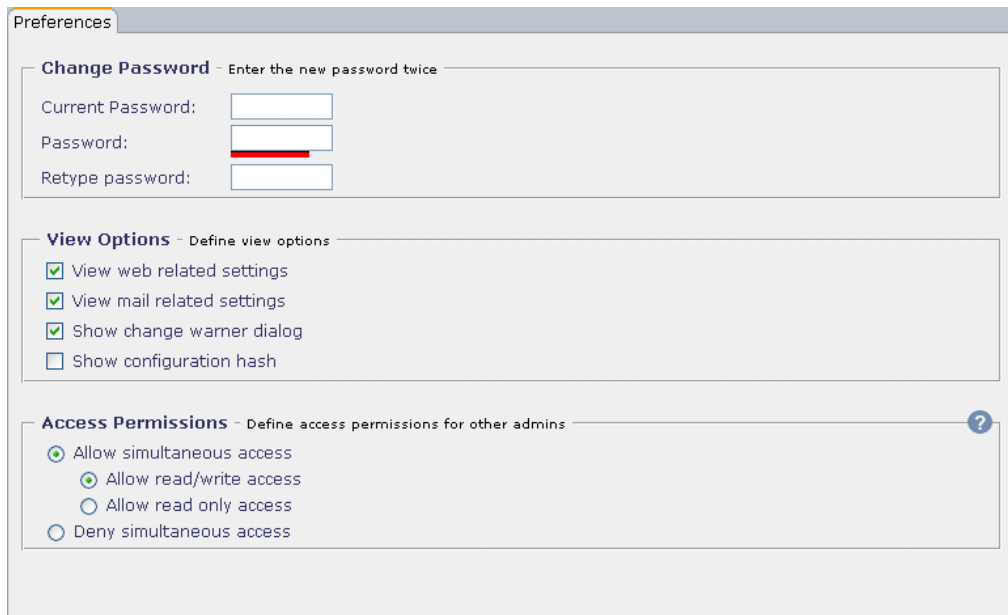


They are described in the upcoming section:

- *Preferences*, see [2.7.1](#)

2.7.1 Preferences

The *Preferences* tab looks like this:



The screenshot shows the 'Preferences' tab interface. It is divided into three main sections:

- Change Password** - Enter the new password twice. This section contains three input fields: 'Current Password:', 'Password:', and 'Retype password:'. The 'Password:' field has a red progress bar below it.
- View Options** - Define view options. This section contains four checkboxes:
 - View web related settings
 - View mail related settings
 - Show change warning dialog
 - Show configuration hash
- Access Permissions** - Define access permissions for other admins. This section contains four radio buttons:
 - Allow simultaneous access
 - Allow read/write access
 - Allow read only access
 - Deny simultaneous access

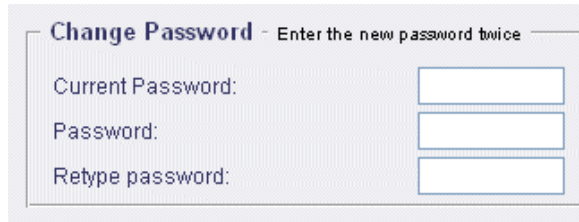
There are three sections on this tab:

- *Change Password*
- *View Options*
- *Access Permissions*

They are described in the following.

Change Password

The *Change Password* section looks like this:



The screenshot shows a form titled "Change Password" with the subtitle "Enter the new password twice". It contains three input fields: "Current Password:", "Password:", and "Retype password:", each with a corresponding text box.

Using this section, you can change the password you are using for access to Webwasher.

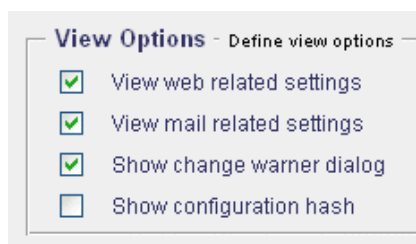
After specifying the appropriate input here, click on *Apply Changes* to make the new password effective.

Use the following input fields to change your password:

- *Current Password*
Enter your current Webwasher password here.
- *Password*
Enter the new password here.
- *Retype password*
Enter the new password here a second time to confirm it.

View Options

The *View Options* section looks like this:



The screenshot shows a form titled "View Options" with the subtitle "Define view options". It contains four checkboxes with labels: "View web related settings", "View mail related settings", "Show change warner dialog", and "Show configuration hash". The first three checkboxes are checked, and the last one is unchecked.

Using this section, you can configure what you would like the Web interface to display or not.

If you are only interested in viewing and configuring settings for Web traffic, you can hide the e-mail related settings and vice versa.

Furthermore, you can configure the change warner dialog and the configuration hash to be displayed or not.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following checkboxes to configure view options:

- *View web related settings*

Make sure this checkbox is marked if you want to view the Web related settings.

- *View web mail related settings*

Make sure this checkbox is marked if you want to view the e-mail related settings.

- *Show change warner dialog*

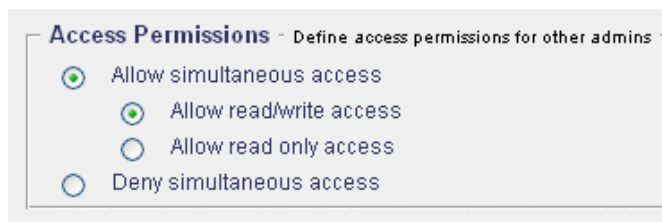
Make sure this checkbox is marked if you want the change warner dialog to appear whenever you are attempting to leave a tab without saving changed settings.

- *Show configuration hash*

Mark this checkbox to have the configuration hash displayed at the top of the Web interface area.

Access Permissions

The *Access Permissions* section looks like this:



Using this section, you can configure permissions to control access to Web-washer. While you are logged in as administrator, other administrators, i. e. other users in administrator roles, might also try to log in.

You can allow their simultaneous access, restrict it to read-only or even deny it completely.

To what extent you are allowed to configure access permissions for other administrators, depends on your seniority level. This is measured by a value between 0 and 100. You can only configure permissions for administrators with seniority levels lower than your own.

On the other hand, you may find your right to access Webwasher restricted or denied when trying to log in because an administrator with an equal or higher seniority level is currently logged in and has configured the corresponding settings.

So, if your seniority level is e. g. 80 and you have configured read-only access for other administrators while you are logged in, this will apply to all administrators with a seniority level of 80 or below.

If an administrator with a level of e. g. 60 logs in, a window will open providing access in read-only mode. At the same time, the number of sessions is displayed that are currently active, as well as the number of sessions where the seniority level is equal to or higher than that of the administrator who is trying to log in.

Furthermore, the number of sessions is displayed where this administrator is allowed to modify access permissions. In this case, there are no such sessions because someone with an equal or higher seniority level, i. e. you, has already configured the corresponding settings in a particular way.

This administrator now has the choice of logging in with read-only access or not.

On the other hand, if an administrator with a seniority level of e. g. 100 logs in, this administrator is entitled to modify what you configured since your seniority level is only 80. This modification will also apply to sessions where other administrators are already logged in.

The seniority level is configured on the *Role Definition* tab under *User Management > Administrators*. Click on the *Edit Role Permissions* button there to open a window, where you can configure a value for the seniority level.

After specifying the appropriate settings here, click on *Apply Changes* to make them effective.

Use the following radio buttons to configure access permissions:

- *Allow simultaneous access*

Make sure this radio button is checked if you want to allow simultaneous access. Furthermore, specify what kind of simultaneous access should be allowed:

- *Allow read/write access*

Make sure this radio button is checked if you want to allow read/write access.

— *Allow read only access*

Check this radio button to allow read only access.

- *Deny simultaneous access*

Check this radio button to deny simultaneous access.

2.8 License

The *License* options are invoked by clicking on the corresponding button under *Home*:



The options are arranged under the following tabs:



They are described in the upcoming sections:

- *Information*, see [2.8.1](#)
- *Notification*, see [2.8.2](#)

2.8.1 Information

The *Information* tab looks like this:

The screenshot shows a software interface with two tabs: 'Information' (selected) and 'Notification'. The 'Information' tab contains the following sections:

- License Information**: A table with the following data:

Company Name	Webwasher 60 Test
Number of Clients	25000
Current Clients	1
Time Limit	01.07.2006 - 31.06.2008
Evaluation License	Yes
Customer number	1061
Key number / System number	1 / 1
- Secure Computing End User License Agreement**: A text block stating that the installation and deployment of Secure Computing software products are exclusively governed by the terms as set forth in Secure Computing Standard Terms and Conditions. It provides a link to the most recent version at http://www.webwasher.com/enterprise/download/information/terms_and_conditions.pdf.
- Import License**: A section with a text input field, a 'Browse' button, and a message 'You have to accept the EULA first'. Below it is a checkbox labeled 'I have read the -> end user license agreement and accept it'.
- Licensed Products**: A list of products with their status:

	URL Filter	Included
	Anti Malware	Included
	Anti Virus	Included
	Anti Spam	Included
	Content Protection	Included
	SSL Scanner	Included
	Content Reporter	Included
	Instant Message Filter	Included

There are four sections on this tab:

- *License Information*
- *Webwasher End User License Agreement*
- *Import License*
- *Licensed Products*

They are described in the following.

License Information

The *License Information* section looks like this:

License Information	
Company Name	Webwasher 60 Test
Number of Clients	25000
Current Clients	0
Time Limit	01.07.2006 - 31.06.2008
Evaluation License	Yes
Customer number	1061
Key number / System number	1 / 1

This section displays information regarding the license of the Webwasher software.

Information is provided on the company that purchased the license, the time interval during which the license is valid and other licensing issues.

Webwasher End User License Agreement

The *Webwasher End User License Agreement* section looks like this:

Webwasher End User License Agreement

The installation and deployment of Webwasher software products are exclusively governed by the the most recent version at

-> http://www.webwasher.com/enterprise/download/information/terms_and_conditions.pdf.

This section allows you to view the most recent version of the Webwasher end user license agreement.

To view the agreement, click on the link that is provided here.

Import License

The *Import License* section looks like this:

Import License

You have to accept the EULA

I have read the -> **end user license agreement** and accept it

Using this section, you can import a license for the Webwasher software.

To import a license, proceed as follows:

1. Click on the [Browse](#) button provided here and browse for the license file you want to import.

Before you can import it, you will have to accept the end user license agreement. To read it, click on the [end user license agreement](#) link provided here.

2. If you accept the agreement, mark the checkbox labeled [I have read ...](#)

I have read the → [end user license agreement](#) and accept it

This will turn the button saying [You have to accept the EULA first](#) into one saying [Activate License](#).

3. Click on this button to import the license.

Licensed Products

The [Licensed Products](#) section looks like this:

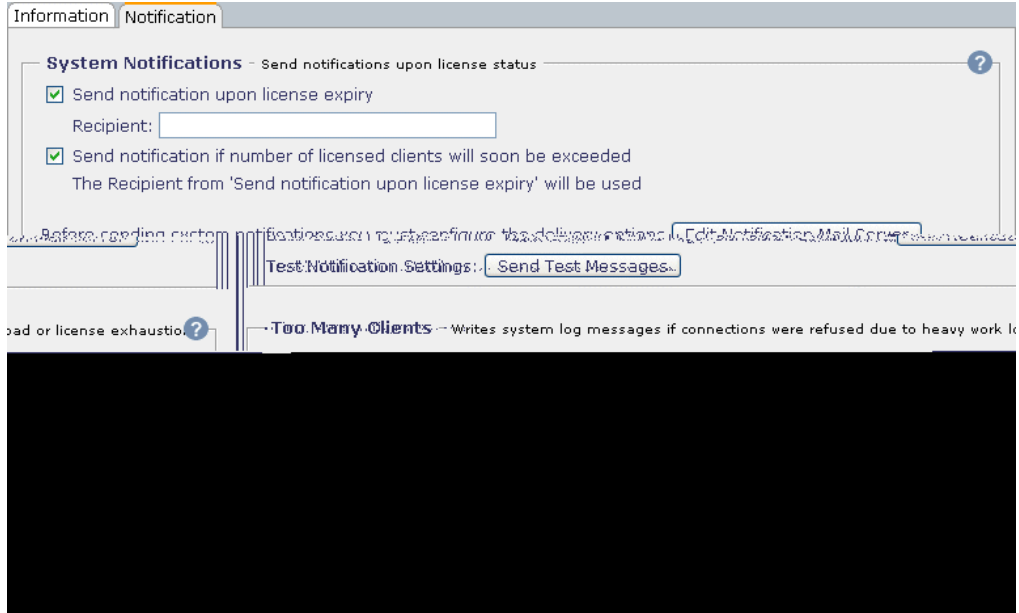
Licensed Products		
	URL Filter	Included
	Anti Malware	Included
	Anti Virus	Included
	Anti Spam	Included
	Content Protection	Included
	SSL Scanner	Included
	Content Reporter	Included
	Instant Message Filter	Included

This section displays the Webwasher products and provides information as to whether they are covered by your license.

For an overview of these products, see 1.5.

2.8.2 Notification

The *Notification* tab looks like this:



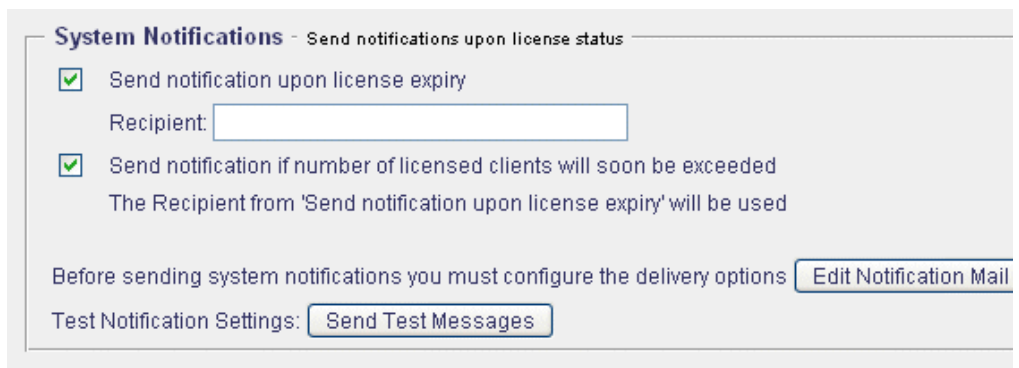
There are two sections on this tab:

- *System Notifications*
- *Too Many Clients*

They are described in the following.

System Notifications

The *System Notifications* section looks like this:



Using this section, you can configure e-mail notifications on license issues. These will be sent to the e-mail address of the recipient you specify here.

After specifying the appropriate information, click on [Apply Changes](#) to make your settings effective.

Use the following items to configure the system notifications:

- [Send notification upon license expiry](#)

Make sure the checkbox provided here is marked if you want to use this option, and enter the recipient of the notification in the [Recipient](#) input field.

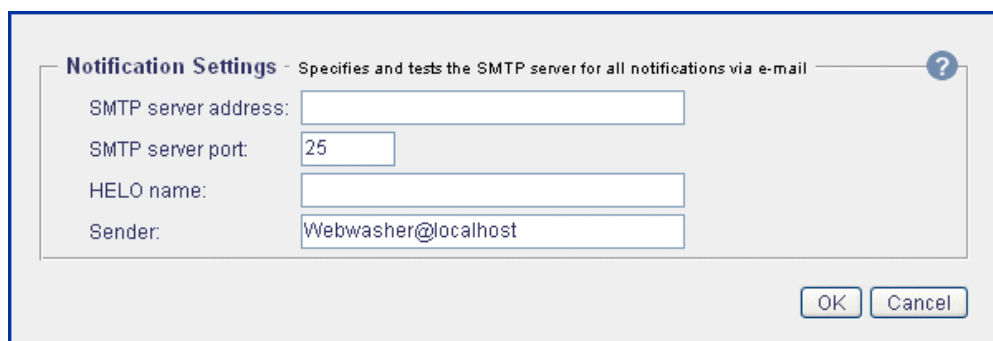
- [Send notification if number of licensed clients will soon be exceeded](#)

Make sure the checkbox provided here is marked if you want to use this option.

The recipient of this notification will be the one entered in the [Recipient](#) input field above.

To configure the settings for the server used to process the notifications, click on the button labeled [Edit Notification Mail Server](#).

This will open a window where you can specify the appropriate settings:



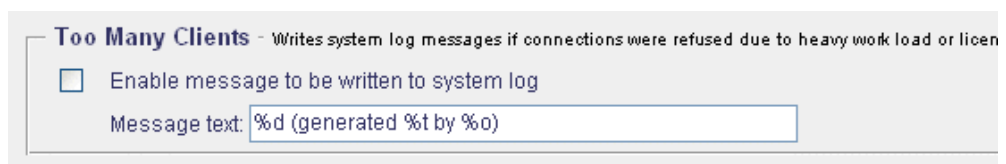
The screenshot shows a dialog box titled "Notification Settings" with a subtitle "Specifies and tests the SMTP server for all notifications via e-mail". It contains four input fields: "SMTP server address:" (empty), "SMTP server port:" (containing "25"), "HELO name:" (empty), and "Sender:" (containing "Webwasher@localhost"). There are "OK" and "Cancel" buttons at the bottom right.

After specifying the settings, click [OK](#) to make them effective.

Furthermore, there is a button labeled [Send Test Messages](#) in this section. Click on this button to test your settings.

Too Many Clients

The [Too Many Clients](#) section looks like this:



The screenshot shows a dialog box titled "Too Many Clients" with a subtitle "Writes system log messages if connections were refused due to heavy work load or licen". It contains a checkbox labeled "Enable message to be written to system log" which is unchecked. Below it is a text input field labeled "Message text:" containing the text "%d (generated %t by %o)".

Using this section, you can configure messages to be written to the system log if connections were refused due to heavy work load or license exhaustion.

After specifying the appropriate settings, click on [Apply Changes](#) to make them effective.

Use the following items to configure log messages:

- [Enable message to be written to system log](#)

Mark this checkbox if you want log messages to be written to the system log.

— [Message text](#)

In this input field, enter the message text. The default text is:

%d (generated %t by %o)

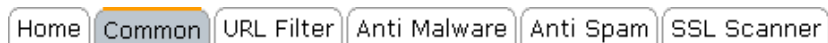
You can use the variable log file parameters appearing in the default text to set up your own message text. Furthermore, you can use an event name and a severity parameter.

The following table lists these parameters and their meanings:

<i>%e</i>	Short name of the event that caused the log file message to be written
<i>%d</i>	Description of the event
<i>%s</i>	Severity of the event
<i>% t</i>	Local time and timezone of the host that generated the log file message
<i>%o</i>	FQDN name of the host

Common

The features that are described in this chapter are accessible over the *Common* tab of the Web interface:



These are filtering features that are common to the SSL Scanner and other Webwasher products, e. g. media type filters, the document inspector, the white list, etc.

The upcoming sections describe how to handle these features. The description begins with an overview.

3.1

Overview

The following overview shows the sections that are in this chapter:

User's Guide – Webwasher SSL Scanner	
<i>Introduction</i>	
<i>Home</i>	
Common	Overview – <i>this section</i>
	Quick Snapshot, see 3.2
<i>Policy Settings</i>	Media Type Filters, see 3.3
	Document Inspector, see 3.4
	Archive Handler, see 3.5
	Generic Header Filter, see 3.6
	Generic Body Filter, see 3.7
	Advertising Filters, see 3.8
	Privacy Filters, see 3.9
	Text Categorization, see 3.10
	HTTP Method Filter List, see 3.11
	FTP Command Filter List, see 3.12
	Welcome Page, see 3.13
	White List, see 3.14
<i>Policy-Independent Settings</i>	User-Defined Categories, see 3.15
	Media Type Catalog, see 3.16
<i>SSL Scanner</i>	

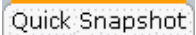
3.2

Quick Snapshot

The *Quick Snapshot* for the common filtering functions is invoked by clicking on the corresponding button under *Common*:



The following tab is then provided:

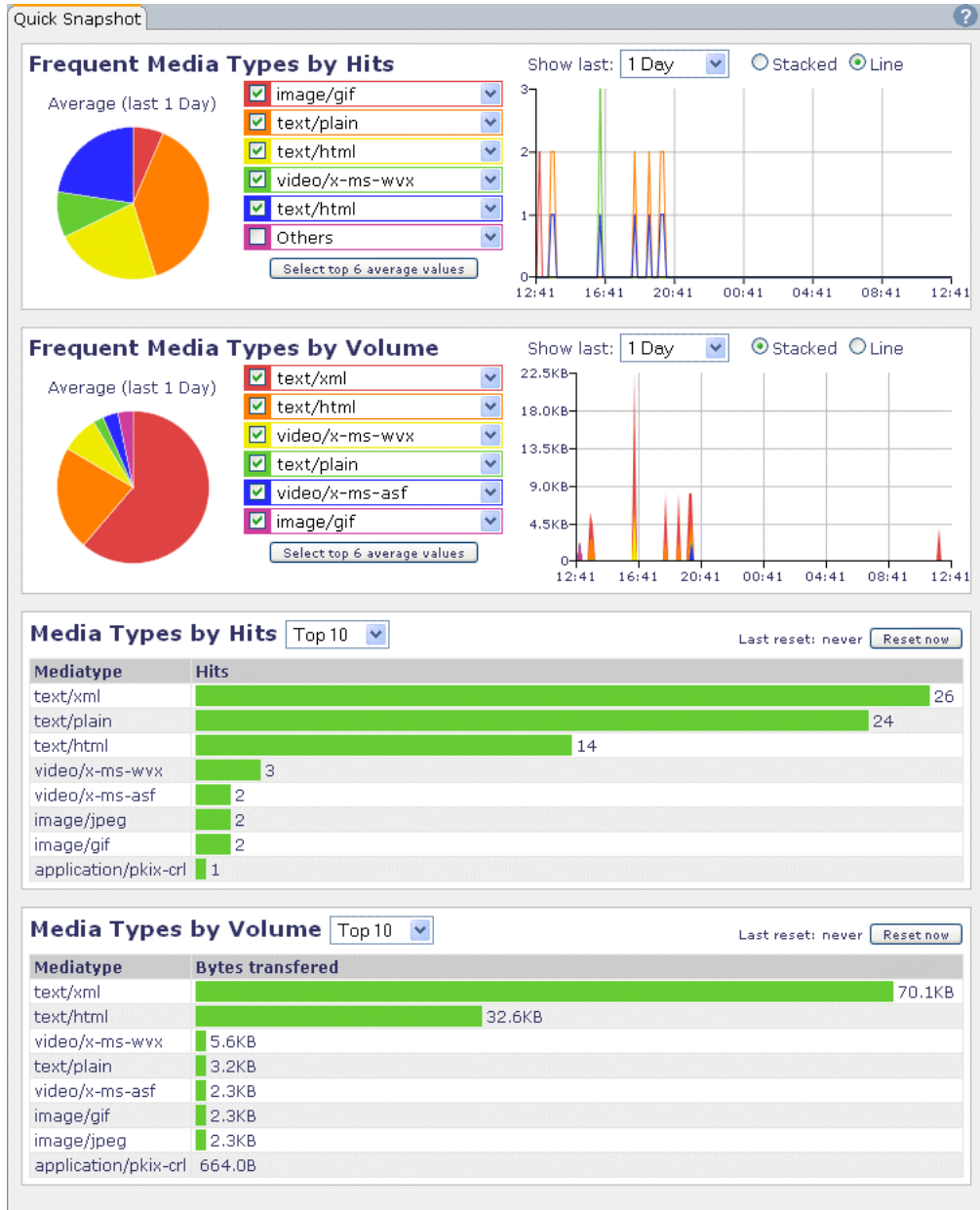


It is described in the upcoming section:

- *Quick Snapshot*, see [3.2.1](#)

3.2.1 Quick Snapshot

The *Quick Snapshot* tab looks like this:



There are four sections on this tab:

- *Frequent Media Types by Hits*
- *Frequent Media Types by Volume*
- *Media Types by Hits*
- *Media Types by Volume*

They are described in the following.

Before this is done, however, the following subsection provides some general information on the quick snapshot features.

Handling the Quick Snapshot

The quick snapshot features on this tab allow you to view summary information about several media type filtering parameters at a glance. For two of them, information is displayed with regard to a particular time interval, e. g. the number of media that were processed by the Media Type Filter over the last three hours, categorized and grouped according to the media type.

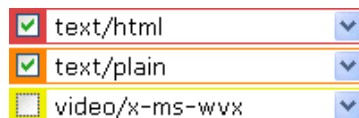
Percentages are calculated for the individual categories, which are shown by means of a pie chart on the left side of the corresponding tab section.

On the right side of a section, parameter values are shown as they developed in time, using either a stacked or a line mode.

The pie chart and the representation in stacked or line mode are handled in the same way as on the Webwasher dashboard.


You can:

- Select and deselect categories for display by marking and clearing the corresponding checkboxes:



<input checked="" type="checkbox"/>	text/html	▼
<input checked="" type="checkbox"/>	text/plain	▼
<input type="checkbox"/>	video/x-ms-wvx	▼

- Select a time interval for display, using the *Show last* drop-down list:



Show last: ▼

- Select stacked or line mode for display by checking the corresponding radio button:



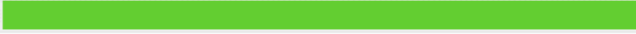





Stacked Line

For a more detailed description of these activities, see the subsection labeled [Handling the Dashboard](#) in [2.2](#)

There is, however, a property of the quick snapshot features that is not present on the dashboard tabs. It is described in the following:

- *Resetting top value lists*

For the *Media Types by Hits* and *Media Types by Volume* parameters, top value lists are displayed, using the length of bars to indicate the number of hits or the amount of bytes for various media types:

text/html		32.6KB
video/x-ms-wvx		5.6KB
text/plain		3.2KB
video/x-ms-asf		2.3KB
image/gif		2.3KB
image/jpeg		2.3KB

You can choose to view the top 10, 25, etc., using a drop-down list:



The top value lists can be reset with a reset button:



After clicking on this button, all values in a list are set to zero, so the measurement of values can start all over again.

A timestamp is also displayed, indicating date and time of the last reset.

Frequent Media Types by Hits

The *Frequent Media Types by Hits* section displays the media types, e. g. *text/html*, *text/plain*, *image/jpeg*, etc. that were most often processed by the Media Type Filter within a given time interval.

Frequent Media Types by Volume

The *Frequent Media Types by Volume* section displays the media types, e. g. *text/html*, *text/plain*, *image/jpeg*, etc. that were processed by the Media Type Filter and consumed the greatest bandwidth volume (in bytes).

Media Types by Hits

The *Media Types by Hits* section displays a list of the top media types, i. e. the media types that were most often processed by the Media Type Filter, showing the number of hits for each of them. Hit numbers are accumulated until the section is reset.

The following information is displayed for each media type:

- *Media type*

Name of the media type, e. g. *text/html*, *text/plain*, *image/jpeg*, etc.

- *Hits*

Number of times that this media type was processed by the Media Type Filter.

Media Types by Volume

The *Media Types by Hits* section displays a list of the top media types that were processed by the Media Type Filter, according to the bandwidth (in bytes) consumed by each of them. Volumes are accumulated until the section is reset.

The following information is displayed for each media type:

- *Media type*

Name of the media type, e. g. *text/html*, *text/plain*, *image/jpeg*, etc.

- *Bytes transferred*

Number of bytes transferred for the media type.

3.3

Media Type Filters

The *Media Type Filters* options are invoked by clicking on the corresponding button under *Common*:

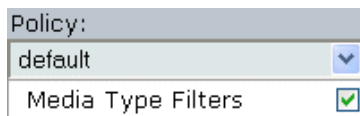


If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

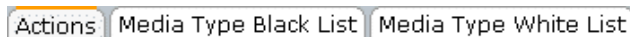
After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tabs:



They are described in the upcoming sections:

- *Actions*, see [3.3.1](#)
- *Media Type Black List*, see [3.3.2](#)
- *Media Type White List*, see [3.3.3](#)

3.3.1 Actions

The *Actions* tab looks like this:

The screenshot shows the 'Actions' tab with two sub-tabs: 'Media Type Black List' and 'Media Type White List'. The 'Media Type Filter' section is active and contains the following settings:

Condition	WEB Action	MAIL Action
Default action for unlisted media types	Allow	Allow
Entry found in Media Type Black List	Block	Replace and Quarantine
Entry found in Media Type White List	Allow	Allow
Non-rectifiable media types with magic bytes mismatch	Block	Replace and Quarantine
Response without Content-Type header	Allow	Allow

The 'Web Upload Filter' section contains the following settings:

- Maximal size of uploaded parameter: 20 kb
- Forbid uploads of all files (HTTP)
- Forbid uploads of all files (FTP)
- Default action for unlisted media types: WEB Allow
- Entry found in Media Type Black List: WEB Block
- Entry found in Media Type White List: WEB Allow
- Content not validated by magic bytes: WEB Allow

Go to → **REQMOD Settings** to enable 'Apply configured filters on uploaded and posted data' to use the Web Upload Filter

There are two sections on this tab:

- *Media Type Filter*
- *Web Upload Filter*

They are described in the following.

Media Type Filter

The *Media Type Filter* section looks like this:

Configuration Item	WEB	MAIL
Default action for unlisted media types	Block	
Entry found in Media Type Black List	Block	
Entry found in Media Type White List	Allow	
Non-rectifiable media types with magic bytes mismatch	Block	
Response without Content-Type header	Allow	

Using this section, you can configure actions, e. g. *Block, Block, log and notify, Allow*, etc., for the Media Type Filter.

This filter manages the flow of incoming media types for HTTP and FTP downloads, as well as for SMTP.

A media (content) type is a general category of data content, such as an application, audio content, a text message, an image, a video stream, etc. The media type tells the application that receives the data what kind of application is needed to process the content, e. g. Real Audio is to play the audio content for a user. Each of these media types also have subtypes, e. g. the text media type has four subtypes: plain, rich text, enriched, and tab-separated values.

The actions that you configure here will be executed according to the result achieved by the Media Type Filter for a filtered object.

You can also configure different actions for Web and e-mail traffic.

After specifying the appropriate settings here, click on *Apply Changes* to make them effective.

Use the drop-down lists provided here to configure actions in the following way:

- *Default action for unlisted media types*

Should this filter find a media type that is not currently listed in the Media Type White List or Black List, this is what will happen to it.

- *Entry found in Media Type Black List*

The actions configured here will be executed for media types that are found in the Media Type Black List.

- *Entry found in Media Type White List*

The actions configured here will be executed for media types that are found in the Media Type White List.

- *Non-rectifiable media types with magic bytes mismatch*

The actions configured here will be executed when content types do not match their magic byte sequence.

So, e. g., a *JPEG* image named as a *GIF* file would be affected by a filtering action, even though each of these media types are acceptable.

- *Response without Content-Type header*

The actions configured here will be executed when media type information is contained in a response header..

Web Upload Filter

The *Web Upload Filter* section looks like this:

Using this section, you can configure actions, e. g. *Block*, *Block*, *log and notify*, *Allow*, etc., for the Web Upload Filter.

This filter protects corporate privacy and sensitive data by filtering what employees send out, e. g. FTP uploads or file attachments sent through common HTTP-based Web mail services, such as Hotmail or GMX.

You can limit the size that uploads may have or even forbid uploads of all HTTP and FTP files.

The actions that you configure here will be executed according to the result achieved by the Media Type Filter for a filtered object.

You can also configure different actions for Web and e-mail traffic.

After specifying the appropriate settings here, click on *Apply Changes* to make them effective.

Furthermore, you need to enable an option on the *REQMOD Settings* tab to use this filter. To do this, click on the *REQMOD Settings* link provided at the bottom of this section. The option in question is labeled *Apply configured filters on uploaded and posted data*.

Use the drop-down lists provided here to configure actions for the Web Upload Filter:

- *Maximal size of uploaded parameter . . . kb*

In the input field provided here, enter a value to limit the size limit (in KB) of uploads.

- *Forbid uploads of all files (HTTP)*

Mark this checkbox, to forbid uploads of all HTTP files.

- *Forbid uploads of all files (FTP)*

Mark this checkbox, to forbid uploads of all FTP files.

- *Default action for unlisted media types*

Should this filter find a media type that is not currently listed in the Media Type White List or Black List, this is what will happen to it.

- *Entry found in Media Type Black List*

The actions configured here will be executed for media types that are found in the Media Type Black List.

- *Entry found in Media Type White List*

The actions configured here will be executed for media types that are found in the Media Type White List.

- *Content not validated by magic bytes*

The actions configured here will be executed when content types do not match their magic byte sequence.

So, e. g., a *JPEG* image named as a *GIF* file would be affected by a filtering action, even though each of these media types are acceptable.

3.3.2 Media Type Black List

The *Media Type Black List* tab looks like this:

The screenshot shows a web interface for managing a Media Type Black List. At the top, there are three tabs: "Actions", "Media Type Black List" (which is active), and "Media Type White List". Below the tabs, the main heading is "Media Type Black List" with a subtitle "Defines media types that will be blocked" and a help icon. The interface includes a form to add a new entry: "Select media type from catalog:" with a dropdown menu showing "application/ace", a "Description:" field with the placeholder "<Enter description here>", and two checkboxes: "Ignore in Media Type Filter" and "Ignore in Web Upload Filter". Below the form are two buttons: "Add to Media Type Black List" and "Add to all policies". A summary line states "Found 1 entries with '*'" and "Number of entries per page: 10". Below this is a table with columns "Select", "Media Type", and "Description". The table contains one entry: "application/ace" with the description "<Enter description here>". To the right of the entry are two checkboxes: "Ignore in media type filter" and "Ignore in web upload filter". At the bottom of the table are "Select All" and "Delete Selected" buttons.

There is one section on this tab:

- *Media Type Black List*

It is described in the following.

Media Type Black List

The *Media Type Black List* section looks like this:

The screenshot shows the 'Media Type Black List' configuration page. At the top, it says 'Media Type Black List - Defines media types that will be blocked'. Below this, there's a section for adding a new entry. It includes a dropdown menu labeled 'Select media type from catalog:' with 'application/ace' selected. Next to it is a text input field for 'Description:' containing '<Enter description here>'. There are two checkboxes: 'Ignore in Media Type Filter' and 'Ignore in Web Upload Filter'. An 'Add to Media Type Black List' button is located to the right. Below the input fields, there's a table with two columns: 'Description' and 'Media Type'. The table contains one entry with 'application/ace' in the 'Media Type' column. Below the table, there's a 'Filter:' input field and two buttons: 'Select All' and 'Delete Selected'.

Using this section, you can add a media type to the Media Type Black List. Objects belonging to the media types on this list will be blocked.

To add a media type to the black list, use the area labeled:

- *Service Name*

In this input field, enter the service name.

Select the media type you want to have blacklisted from the drop-down list provided here, e. g. *application/ace*.

Furthermore, use the following items when adding a media type:

— *Description*

Input in this field is optional. You may enter a description of the media type here.

— *Ignore in Media Type Filter*

If this option is enabled, the media type in question will be ignored when the Media Type Filter is applied to Web and e-mail downloads.

— *Ignore in Web Upload Filter*

If this option is enabled, the media type in question will be ignored when the Web Upload Filter is applied to outbound user-originating files via HTTP, HTTPS and FTP.

— *Add to Media Type Black List*

After selecting a media type, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add a media type to the black list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

The Media Type Black List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Media Type* or *Description* column heading.

To edit an entry, type the appropriate text in the input field of the *Description* column and enable or disable the *Ignore in media type filter* and *Ignore in media type filter* options.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in the input field of the *Media Type* or *Description* column or in both and enter this using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

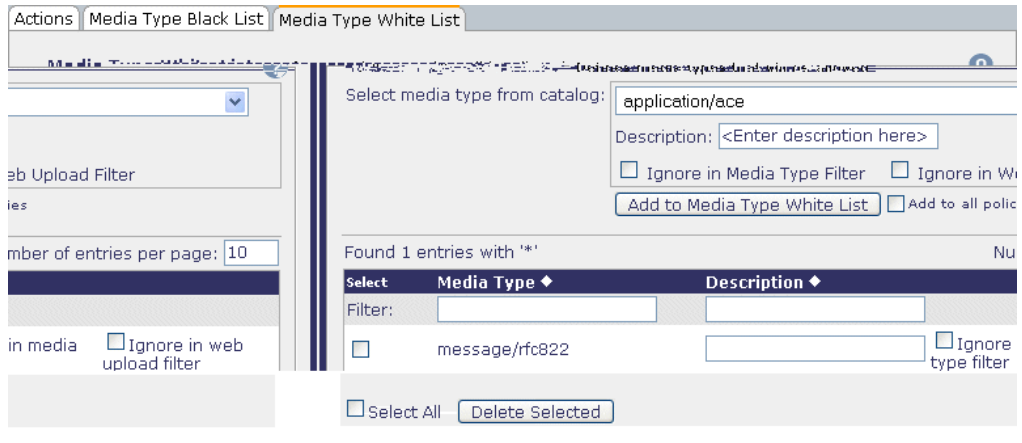
- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.3.3 Media Type White List

The *Media Type White List* tab looks like this:



There is one section on this tab:

- *Media Type White List*

It is described in the following.

Media Type White List

The *Media Type White List* section looks like this:

Media Type White List - Defines media types that will be allowed

Select media type from catalog: application/ace

Description: <Enter description here>

Ignore in Media Type Filter Ignore in Web Upload Filter

Add to all policies

Found 1 entries with **

Select	Media Type	Description
<input type="checkbox"/>	message/rfc822	

Select All

Using this section, you can add a media type to the Media Type White List. Objects belonging to the media types on this list will be allowed.

To add a media type to the white list, use the area labeled:

- *Select media type from catalog*

Select the media type you want to include in the white list from the drop-down list provided here, e. g. *application/ace*.

Furthermore, use the following items when adding a media type:

— *Description*

Input in this field is optional. You may enter a description of the media type here.

— *Ignore in Media Type Filter*

If this option is enabled, the media type in question will be ignored when the Media Type Filter is applied to Web and e-mail downloads.

— *Ignore in Web Upload Filter*

If this option is enabled, the media type in question will be ignored when the Web Upload Filter is applied to outbound user-originating files via HTTP, HTTPS and FTP.

— *Add to Media Type White List*

After selecting a media type, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add a media type to the white list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

The Media Type White List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Media Type* or *Description* column heading.

To edit an entry, type the appropriate text in the input field of the *Description* column and enable or disable the *Ignore in media type filter* and *Ignore in media type filter* options.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in the input field of the *Media Type* or *Description* column or in both and enter this using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

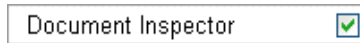
Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.4

Document Inspector

The *Document Inspector* options are invoked by clicking on the corresponding button under *Common*:

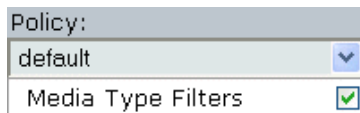


If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

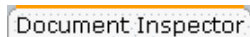
After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:

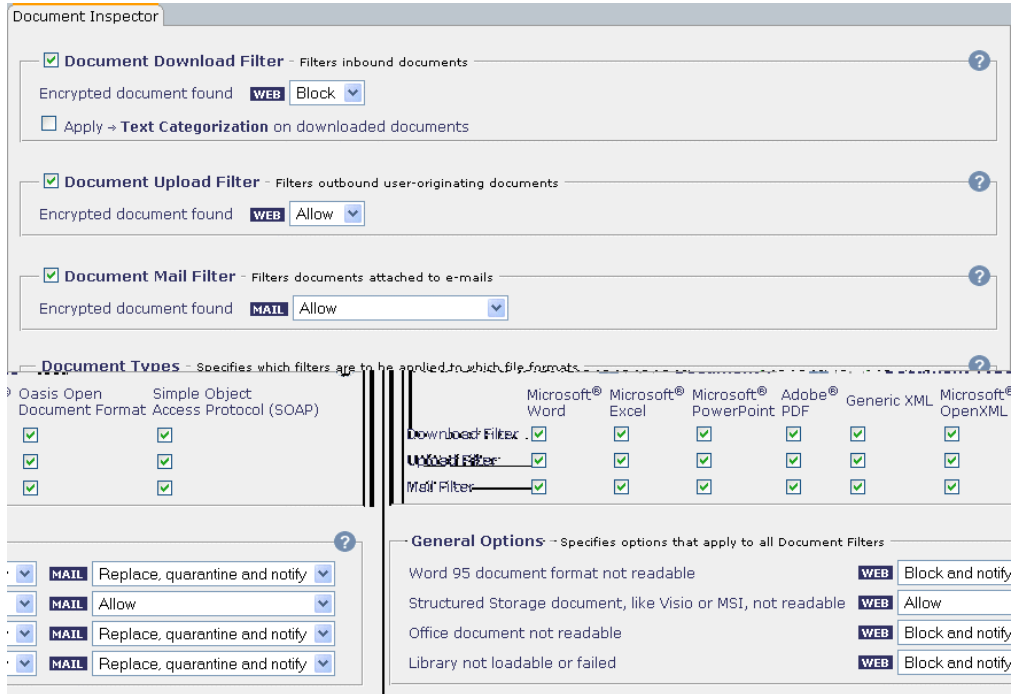


They are described in the upcoming section:

- *Document Inspector*, see [3.4.1](#)

3.4.1 Document Inspector

The *Document Inspector* tab looks like this:



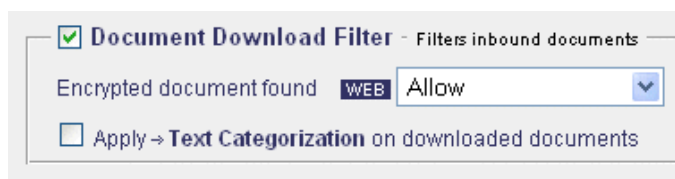
There are five sections on this tab:

- *Document Download Filter*
- *Document Upload Filter*
- *Document Mail Filter*
- *Document Types*
- *General Options*

They are described in the following.

Document Download Filter

The *Document Download Filter* section looks like this:



Using this section, you can configure actions for inbound office documents that may enter your corporate network from the Web and are potentially malicious.

The document formats that can be filtered include Microsoft Word 97-2003, Microsoft Excel 95-2003, Microsoft PowerPoint 95-2003 and all known versions of Adobe Portable Document Format (PDF).

Furthermore, they include the following open document formats: Generic XML, Microsoft OpenXML, Oasis Open Document Format, and the Simple Object Access Protocol (SOAP), which is an XML-based communications protocol for applications.

These documents may contain “active” content. Word, Excel, PowerPoint and Microsoft Open XML support ActiveX controls and macros, while PDF and the Oasis Open Document Format support embedded JavaScript.

This active content may be hostile rather than friendly, so for full protection against files that are embedded into Microsoft Office, PDF or open format documents, you should use the filter provided by the Document Inspector to inspect these documents and block malicious content from entering your corporate network.

In addition to this filter, you can apply text categorization to these documents.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following items to configure actions for office documents:

- *Encrypted document found*

From the drop-down list provided here, select an action, e. g. *Block* or *Allow*. This action will be taken if the filter detects an inbound office document that is potentially malicious.

- *Apply Text Categorization*

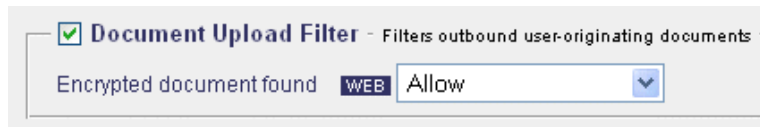
Mark the checkbox provided here, to apply text categorization actions to inbound office documents.

To view or modify the actions that are currently configured for these actions, click on the [Text Categorization](#) link in the checkbox inscription.

This will take you to the [Text Categorization](#) tab, where you have access to the corresponding settings.

Document Upload Filter

The [Document Upload Filter](#) section looks like this:



Using this section, you can configure actions for outbound user-originating office documents that are potentially malicious.

The document formats that can be filtered include Microsoft Word 97-2003, Microsoft Excel 95-2003, Microsoft PowerPoint 95-2003 and all known versions of Adobe Portable Document Format (PDF).

Furthermore, they include the following open document formats: Generic XML, Microsoft OpenXML, Oasis Open Document Format, and the Simple Object Access Protocol (SOAP), which is an XML-based communications protocol for applications.

These documents may contain “active” content. Word, Excel, PowerPoint and Microsoft Open XML support ActiveX controls and macros, while PDF and the Oasis Open Document Format support embedded JavaScript.

This active content may be hostile rather than friendly, so for full protection against files that are embedded in Microsoft Office, PDF or open format documents, you should use the filter provided by the Document Inspector to inspect these documents and block malicious content from entering your corporate network.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After specifying the appropriate settings, click on [Apply Changes](#) to make them effective.

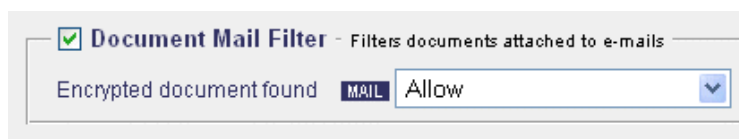
Use the following drop-down list to configure actions for office documents:

- [Encrypted document found](#)

Select an action here, e. g. [Block](#) or [Allow](#). This action will be taken if the filter detects an inbound office document that is potentially malicious.

Document Mail Filter

The *Document Mail Filter* section looks like this:



Using this section, you can configure actions for office documents that are attached to e-mails, e. g. a *.pdf* format document.

The document formats that can be filtered include Microsoft Word 97-2003, Microsoft Excel 95-2003, Microsoft PowerPoint 95-2003 and all known versions of Adobe Portable Document Format (PDF).

Furthermore, they include the following open document formats: Generic XML, Microsoft OpenXML, Oasis Open Document Format, and the Simple Object Access Protocol (SOAP), which is an XML-based communications protocol for applications.

These documents may contain “active” content. Word, Excel, PowerPoint and Microsoft Open XML support ActiveX controls and macros, while PDF and the Oasis Open Document Format support embedded JavaScript.

This active content may be hostile rather than friendly, so for full protection against files that are embedded in Microsoft Office, PDF or open format documents, you should use the filter provided by the Document Inspector to inspect these documents and block malicious content from entering your corporate network.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following items to configure actions for office documents:

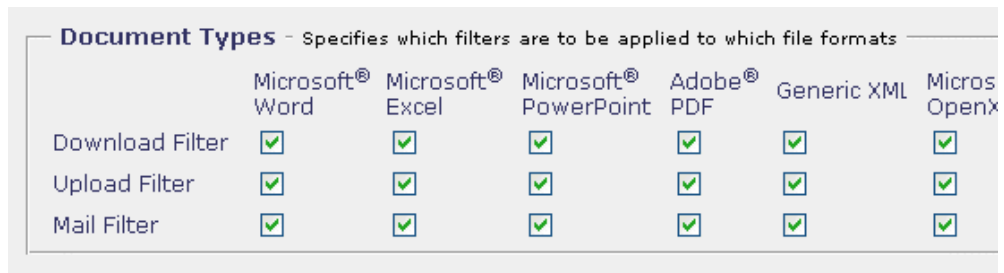
- *Encrypted document found*

From the drop-down list provided here, select an action, e. g. *Drop*, *Drop and Quarantine* or *Allow*.

This action will be taken if the filter detects an office document attached to an e-mail that is potentially malicious.

Document Types

The *Document Types* section looks like this:



The screenshot shows a window titled "Document Types" with a subtitle "Specifies which filters are to be applied to which file formats". It contains a table with three rows of filters and seven columns of file formats. Each cell in the table contains a checked checkbox.

	Microsoft® Word	Microsoft® Excel	Microsoft® PowerPoint	Adobe® PDF	Generic XML	Micros Openx
Download Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upload Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mail Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Using this section, you can configure which of the filters that are accessible over the other sections of this tab should be applied to which document formats.

The document formats that can be filtered include Microsoft Word 97-2003, Microsoft Excel 95-2003, Microsoft PowerPoint 95-2003 and all known versions of Adobe Portable Document Format (PDF).

Furthermore, they include the following open document formats: Generic XML, Microsoft OpenXML, Oasis Open Document Format, and the Simple Object Access Protocol (SOAP), which is an XML-based communications protocol for applications.

These documents may contain “active” content. Word, Excel, PowerPoint and Microsoft Open XML support ActiveX controls and macros, while PDF and the Oasis Open Document Format support embedded JavaScript.

This active content may be hostile rather than friendly, so for full protection against files that are embedded in Microsoft Office, PDF or open format documents, you should use the filter provided by the Document Inspector to inspect these documents and block malicious content from entering your corporate network.

By default, all filters are configured to apply to all formats.

After modifying these settings, click on *Apply Changes* to make the modification effective.

Note that in order to use the filters for documents in Microsoft Open XML or Oasis Open Document Format, you need to enable the Archive Handler, see [3.5](#).

Use the following checkboxes to modify the assignment of filters to document formats:

- *Download Filter*

Mark or clear the checkboxes in this line to have the download filter apply to the corresponding document formats.

- *Upload Filter*

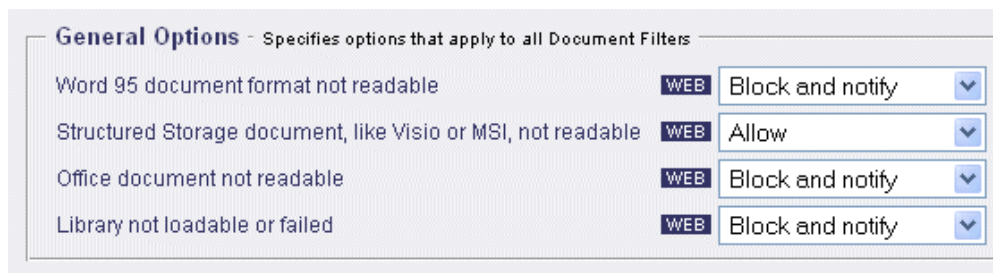
Mark or clear the checkboxes in this line to have the upload filter apply to the corresponding document formats.

- *Mail Filter*

Mark or clear the checkboxes in this line to have the mail filter apply to the corresponding document formats.

General Options

The *General Options* section looks like this:



Using this section, you can configure filtering conditions and actions for office documents that will apply to all the filters made accessible over the other sections of this tab.

You can configure different actions for documents in Web and e-mail traffic.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following items to configure filtering conditions and actions:

- *Word 95 document format not readable*

From the drop-down lists provided here, select actions for documents in Web and e-mail traffic, e. g. *Block* or *Allow*.

These are required because this format is not supported by the Document Inspector, which means the documents in question are unreadable for this filter.

- *Structured Storage document, like Visio or MSI, not readable*

From the drop-down lists provided here, select actions for documents in Web and e-mail traffic, e. g. *Block* or *Allow*.

These actions will be executed if a structured storage document is unreadable.

- *Office document not readable*

From the drop-down lists provided here, select actions for documents in Web and e-mail traffic, e. g. *Block* or *Allow*.

These actions will be executed for any type of office documents that are unreadable, perhaps due to encryption.

- *Library not loadable or failed*

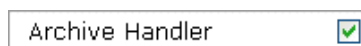
From the drop-down lists provided here, select actions for documents in Web and e-mail traffic, e. g. *Block* or *Allow*.

These actions will be executed if the Document Inspector library could not be loaded.

3.5

Archive Handler

The *Archive Handler* options are invoked by clicking on the corresponding button under *Common*:



If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:

Archive Handler

They are described in the upcoming section:

- *Archive Handler*, see [3.5.1](#)

3.5.1 Archive Handler

The *Archive Handler* tab looks like this:

The screenshot shows the 'Archive Handler' configuration window. It is divided into two main sections: 'Archive Handling' and 'Archive Handling Options'. The 'Archive Handling' section is titled 'Defines how to handle archives' and contains a table of settings for various archive-related events. The 'Archive Handling Options' section is also titled 'Defines how to handle archives' and contains two input fields: 'Maximum size of unpacked archive' set to 750 MB and 'Maximum recursion level' set to 24.

Event	WEB	MAIL
Encrypted Archive found	Block	Drop
Corrupted Archive found	Block	Drop
Multi-part Archive found	Block	Drop
Max recursion level exceeded	Block and log MR event	Replace and log MR event
Mail bomb found	Block and log MB event	Replace and log MB event
Not Handled Archive found	Block	Drop

Archive Handling Options - Defines how to handle archives

Maximum size of unpacked archive: 750 MB

Maximum recursion level: 24

There are two sections on this tab:

- *Archive Handling*
- *Archive Handling Options*

They are described in the following.

Archive Handling

The *Archive Handling* section looks like this:

Event	WEB Action	MAIL Action
Encrypted Archive found	Block	Drop
Corrupted Archive found	Block	Drop
Multi-part Archive found	Block	Drop
Max recursion level exceeded	Block and log MR event	Replace and log
Mail bomb found	Block and log MB event	Replace and log
Not Handled Archive found	Block	Drop

Using this section, you can configure blocking and other actions for encrypted, corrupted, multi-part archives, archives containing mail bombs (an archive is a mail bomb if its content size exceeds the limit set by the user), and archives exceeding the maximum recursion level, i. e. how deep archives are nested within each other.

The size and recursion level limits are configured in the *Archive Handling Options* section, which is also provided on this tab.

If a virus is contained within an archive that is compressed, the virus cannot be detected and prevented from downloading.

The Archive Handler decompresses the members of an archive one-by-one, and passes them on to the virus scanner. When the archive member containing the virus is decompressed, virus scanner detects the virus, so the archive can be blocked.

You can configure different actions for archives in Web and e-mail traffic.

After selecting these actions from the drop-down lists provided here, click on *Apply Changes* to make your settings effective.

Archive Handling Options

The *Archive Handling Options* section looks like this:

Archive Handling Options - Defines how to handle archives
 Maximum size of unpacked archive: MB
 Maximum recursion level:

Using this section, you can configure limits for archive sizes and recursion levels.

After specifying the appropriate settings click on *Apply Changes* to make them effective.

Use the following input fields to configure limits for archives:

- *Maximum size of unpacked archive*

Enter the maximum size (in MB) here that should be allowed for an archive.

- *Maximum recursion level*

Enter the maximum number of recursion levels here that should be allowed for an archive.

3.6

Generic Header Filter

The *Generic Header Filter* options are invoked by clicking on the corresponding button under *Common*:

 Generic Header Filter

If you want to enable any of these options, mark the checkbox that is on this button.

Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:

Policy:	
default	▼
Media Type Filters	☑

The options are arranged under the following tab:

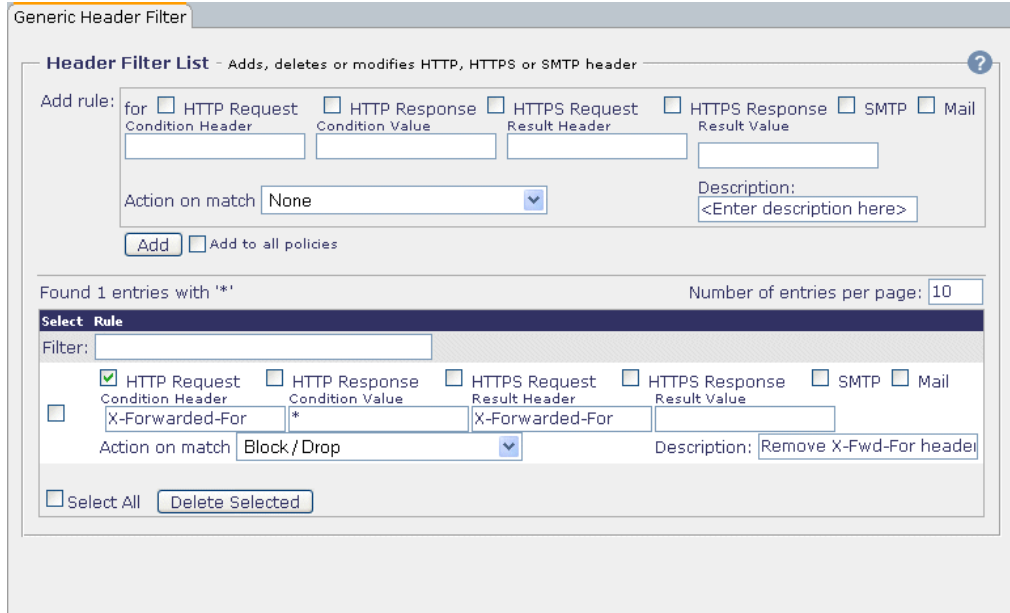
 Generic Header Filter

They are described in the upcoming section:

- *Generic Header Filter*, see [3.6.1](#)

3.6.1 Generic Header Filter

The *Generic Header Filter* tab looks like this:



There is one section on this tab:

- *Header Filter List*

It is described in the following.

Header Filter List

The *Header Filter List* section looks like this:

Header Filter List - Adds, deletes or modifies HTTP, HTTPS or SMTP header

Add rule: for HTTP Request HTTP Response HTTPS Request HTTPS Response

Condition Header: Condition Value: Result Header:

Action on match:

Add to all policies

Found 1 entries with **

Select	Rule
<input checked="" type="checkbox"/>	<input type="checkbox"/> HTTP Request <input type="checkbox"/> HTTP Response <input type="checkbox"/> HTTPS Request <input type="checkbox"/> HTTPS Response Condition Header: <input type="text" value="X-Forwarded-For"/> Condition Value: <input type="text" value="*"/> Result Header: <input type="text" value="X-Forwarded-For"/> Action on match: <input type="text" value="Block / Drop"/> <input type="button" value="v"/>

Select All

Using this section, you can configure the Generic Header Filter to delete headers and header content, add customized headers, modify existing header content, and execute any pre-defined or customized action on appropriate filtering conditions.

The filter can be configured for Web traffic using the HTTP or HTTPS protocol, as well as for e-mail traffic.

For e-mail traffic, there are two options to choose from: *SMTP* and *Mail*. If *SMTP* is selected, the configured settings will operate on the content of internal Webwasher headers such as *X-WW-From*, *X-WW-To* or *X-Client-IP*.

If *Mail* is selected, settings will operate on the content of standard e-mail headers such as *Subject*, *From* and *To*.

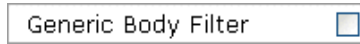
The filtering conditions for handling headers in this way are entered in the fields of this section. For an explanation of them, see the corresponding online help page.

On this page, examples are also provided for configuring the filter with regard to HTTP and HTTPS communication.

3.7

Generic Body Filter

The *Generic Body Filter* options are invoked by clicking on the corresponding button under *Common*:

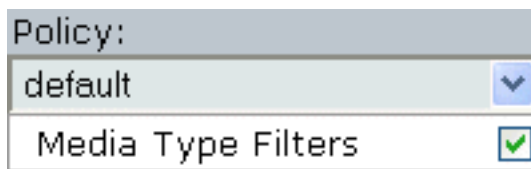


If you want to enable any of these options, mark the checkbox that is on this button.

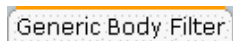
Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:



They are described in the upcoming section:

- *Generic Body Filter*, see [3.7.1](#)

3.7.1 Generic Body Filter

The *Generic Body Filter* tab looks like this:

Generic Body Filter

Body Filter List - Blocks content according to binary pattern rules

Add Rule:

Description: <Enter description here> Applies to Media Types: <Any> Applies to Transport Directions: Web Download Web Upload Mail

Enabled <Enter regular expression>

Unique ID: Applies to Content of Size: KB - KB

Offset	Length	Operator	Byte Sequence
		Eque	
		Eque	
		Eque	
		Eque	

Clear and add expressions: 2

On match: WEB Block MAIL Replace Classify as Please select Modify by Malware

Add Add to all policies

Other Operations: Add File Fingerprint

Add Add to all policies

There is this section on this tab:

- *Body Filter List*

It is described in the following.

Body Filter List

The *Body Filter List* section looks like this:

Using this section, you can configure the Generic Body Filter blocking and other actions for Web and e-mail content according to keywords, regardless of the URL it originates from.

So, you could use the Generic Body Filter, e. g. to block Win32 executables.

When configuring the filter, rules are set up of the following format:

If the 2nd byte of a file has the value of n, and the 3rd byte does not have the value of n, and within the bytes 100 to 200 a string of n can be found, then ...

The Generic Body Filter also supports case-insensitive operands by using an uppercase *I* in front of a quoted operand.

So, to block, e. g. all HTML pages encoded as *UTF-16* you can configure a rule like the following:

0-128 Contains I"<\00h\00t\00m\00\00" Or 0-128 Contains I"\00<\00h\00t\00m\00I"

With this rule, the first expression blocks *UTF-16LE*, and the second blocks *UTF-16BE*.

The rules for filtering body content in this way and the actions that are executed when a rule matches, are entered in the fields of this section. For an explanation of them, see the corresponding online help page.

On this page, an example is also provided for configuring a body filtering rule.

3.8 Advertising Filters

The *Advertising Filters* options are invoked by clicking on the corresponding button under *Common*:

Advertising Filters

If you want to enable any of these options, mark the checkbox that is on this button.

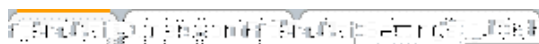
Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:

Policy:
default
Media Type Filters

The options are arranged under the following tabs:



They are described in the upcoming sections:

- *Settings*, see [3.8.1](#)
- *Link Filter List*, see [3.8.2](#)
- *Dimension Filter List*, see [3.8.3](#)

3.8.1 Settings

The *Settings* tab looks like this:



The screenshot shows the 'Settings' tab with three sub-tabs: 'Settings', 'Link Filter List', and 'Dimension Filter List'. The 'Link Filter List' sub-tab is active. It contains six sections, each with a title, a description, and a set of options:

- Link Filter** - Screens content based on information from the URL. Includes a 'Disable built-in filter list' checkbox and a list of objects to be filtered: Images, Windows, Scripts, Layers, Frames, Embedded objects, Forms, Text links, and Backgrounds.
- Dimension Filter** - Eliminates banner ads and objects by size. Includes a list of objects to be filtered: Images, Applets, and Plug-ins, and checkboxes for 'Ignore objects without specified dimensions' and 'Filter objects that are located on the same server'.
- Pop-Up Filter** - Eliminates script-initiated pop-up browser windows. Includes a checkbox for 'Also disable manually opened windows'.
- Script Filter** - Manages code that manipulates browsers and systems. Includes checkboxes for 'Filter scripts that a Web page executes on loading', 'Filter scripts that a Web page executes on closing', 'Prevent supplementary modification of the address', and 'Prevent modification of the browser's status bar'.
- Animation Filter** - Manages and filters animated images. Includes radio buttons for 'Show only the first picture of an animation', 'Repeat animation 1 time(s)', and 'Remove all animated images'.
- Advertising Filter Settings** - Define rules for filtered objects. Includes checkboxes for 'Replace filtered objects with:' (a transparent image or another image), 'Do not filter objects located within:' (the same path or the same domain), and 'Do not reduce filtered frame size'.

There are six sections on this tab:

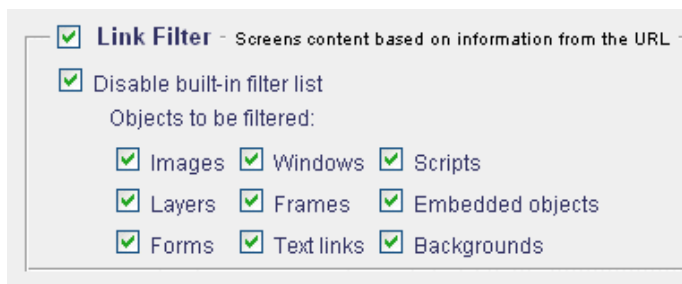
- *Link Filter*
- *Dimension Filter*
- *Popup Filter*
- *Script Filter*
- *Animation Filter*

- [Advertising Filter Settings](#)

They are described in the following.

Link Filter

The [Link Filter](#) section looks like this:



Using this section, you can configure the filtering of content based on information from the URL of an object and specify different types of content that you want to have filtered.

URLs can be added for filtering to the built.in filter list or edited. The list can be accessed on the [Link Filter List](#) tab.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

All content types are also included in the filtering by default.

After modifying any of these settings, click on [Apply Changes](#) to make the modification effective.

Use the following checkboxes to configure the filtering of links:

- [Disable built-in filter list](#)

If this option is enabled, the built-in filter list is used.

Note that disabling it will severely impair the efficiency of advertisement filtering. You should only do this in case you provide a filter list of your own that you want to work with.

- [Objects to be filtered](#)

Mark or clear the checkboxes provided here according to the content types you want the filter to apply.

— *Text links*

Enables or disables the filtering of text links.

A text link is the grouping of linked text that, when clicked on, takes you to another page either within the same Web site, or to an entirely different Web server.

It will often open up another browser window when clicked on.

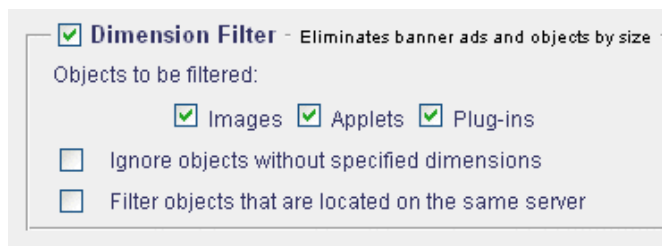
— *Backgrounds*

Enables or disables the filtering of background images.

This option only removes advertising backgrounds, but not all background images in general.

Dimension Filter

The *Dimension Filter* section looks like this:



Using this section, you can configure a filter to eliminate banner ads and objects based on their size.

To add dimensions to the Dimension Filter List go to the *Dimension Filter List* tab.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following checkboxes to configure dimension filtering:

- *Objects to be filtered*

Mark or clear the checkboxes provided here according to the content types you want to the filter to apply to.

Their meaning is as follows:

— *Images*

Enables or disables the filtering of images.

— *Applets*

Enables or disables the filtering of Java applets.

These are small programs accompanying a Web page that is sent to a user. Java applets are able to perform interactive animations, instant calculations and conversions etc., without having to send a user request back to the server.

— *Plug-ins*

Enables or disables the filtering of plug-ins.

These are programs that can easily be installed and used as part of your Web browser.

- *Ignore objects without specified dimensions*

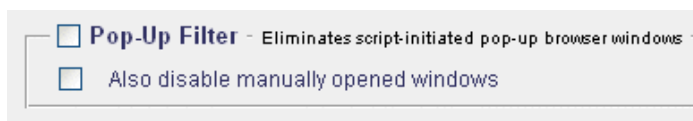
If this option is enabled, objects that have their dimensions not specified will be ignored.

- *Filter objects that are located on the same server*

If this option is enabled, objects will also be filtered if they are located on the same server. By default, such objects will go unfiltered.

Popup Filter

The *Popup Filter* section looks like this:



Using this section, you can configure a filter to eliminate script-initiated pop-up browser windows.

Furthermore, you can disable manually opened windows to ensure that pop-up windows remain closed.

If you want to use this filter, mark the checkbox next to the section heading.

After specifying this setting, you may also specify the additional setting provided here. Then click on *Apply Changes* to make your settings effective.

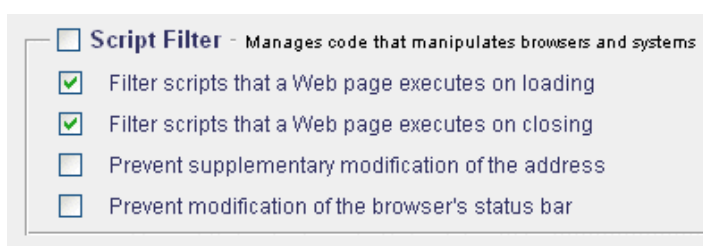
Use the following checkbox to configure the additional setting:

- *Also disable manually opened windows*

If this option is enabled, pop-ups will not be opened even if the user clicks on the corresponding link.

Script Filter

The *Script Filter* section looks like this:



Using this section, you can configure a filter to manage the code that manipulates browsers and systems.

If you want to use this filter, mark the checkbox next to the section heading.

After specifying this setting or any other setting in this section, click on *Apply Changes* to make these settings effective.

Use the following checkboxes to configure script filtering:

- *Filter scripts that a Web page executes on loading*

If this option is enabled, the filter will suppress scripts that are started automatically when a Web page is loaded.

The option is enabled by default.

- *Filter scripts that a Web page executes on closing*

If this option is enabled, the filter will suppress scripts that are started automatically when a Web page is closed.

The option is enabled by default.

- *Prevent supplementary modification of the address*

If this option is enabled, the filter will suppress special JavaScript functions that modify the IP address, i. e. that automatically transfer you from one Web page to another.

- *Prevent modification of the browser's status bar*

If this option is enabled, the filter will prevent the status bar of the browser from being modified by a Web page, i. e. scrolling text.

Animation Filter

The *Animation Filter* section looks like this:



Using this section, you can configure a filter to detect animated images. Animations will either be filtered completely or restricted in their execution.

If you want to use this filter, mark the checkbox next to the section heading.

After specifying this setting or any other setting in this section, click on *Apply Changes* to make these settings effective.

Use the following radio buttons to configure animation filtering:

- *Animated images*

Use the radio buttons provided here according to the measures you want the filter to take against animations:

— *Show only the first picture of an animation*

Make sure this button is checked to terminate an animation after showing the first picture.

This option is enabled by default.

— *Repeat animation . . . time(s)*

Check this button to limit repetition of the animation.

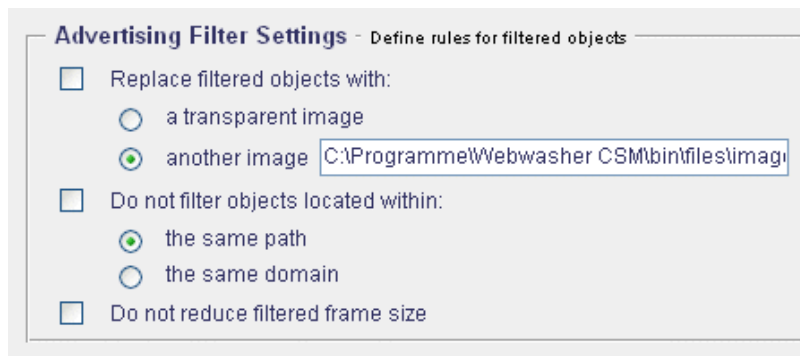
In the input field provided here enter the number of times you want an animation to repeat itself.

— *Remove all animated images*

Check this button to remove animation completely.

Advertising Filter Settings

The *Advertising Filter Settings* section looks like this:



Using this section, you can configure settings that will apply to all the filters on this tab.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following checkboxes and radio buttons to configure these settings:

- *Replace filtered objects with*

Mark this checkbox if you want to have filtered objects replaced with something.

Then check the radio buttons below to specify with what they should be replaced:

- *a transparent image*

Enable this option to replace an animated image with a transparent image.

- *another image*

Make sure this option is enabled if you want to replace an animated image with another image.

In the input field provided here, enter the path and name of the image you want to use.

The option is enabled by default. Likewise, a default image is configured to replace animations.

- *Do not filter objects located within*

Mark this checkbox if you want to exclude objects from filtering that are within the same path or domain.

Then check the radio buttons below to further specify the exclusion:

— *the same path*

Enable this option to exclude objects within the same place from filtering.

— *the same domain*

Enable this option to exclude objects within the same domain from filtering.

- *Do not reduce filtered frame size*

Mark this checkbox to prevent filtered frame sizes from being reduced.

3.8.2 Link Filter List

The *Link Filter List* tab looks like this:

The screenshot shows a settings window with three tabs: 'Settings', 'Link Filter List', and 'Dimension Filter List'. The 'Link Filter List' tab is active. The title bar of the tab reads 'Link Filter List - Screens content based on information about the URL'. Below the title bar, there is a section for adding new URLs. It includes a dropdown menu set to 'String', a text input field, and a note '(Format: /unwanted-dir/a*.html)'. There are two checkboxes: 'deactivate' and 'do not filter'. Below these are two buttons: 'Add to Link Filter List' and 'Add to all policies'. A summary line indicates 'Found 1 entries with '*''. To the right, there is a 'Number of entries per page:' field set to '10'. Below this is a table with a 'Select' column and a 'URL' column. The table contains one entry with the URL 'example/beis?iel'. To the right of the URL are two checkboxes: 'deactivate filter' (checked) and 'do not filter'. At the bottom of the table area are two buttons: 'Select All' and 'Delete Selected'.

There is one section on this tab:

- *Link Filter List*

It is described in the following.

Link Filter List

The *Link Filter List* section looks like this:

Link Filter List - Screens content based on information about the URL

Add new URL: (Format: /unwanted-dir/a*.html)

deactivate do not filter

Add to all policies

Found 1 entries with **

Select	URL
<input type="checkbox"/>	example/beis?iel <input checked="" type="checkbox"/> deactivate <input type="checkbox"/>

Select All

Using this section, you can add URLs to the Link Filter List and edit them.

To do this, use the area labeled:

- *Add new URL*

Select *String* or *International Domain Name* from the first of the drop-down lists provided here.

In the input field next to it, enter a string to specify the object using shell expressions.

Select *International Domain Name* if you want to enter non-ASCII characters and the string should be used for the domain part of an URL.

In some countries like Germany, Sweden or Japan, domain names with non-ASCII characters are allowed. The IDNA (International Domain Names in Applications) standard describes how a Web browser should convert such a domain name into pure ASCII notation used, e. g. by DNS.

Webwasher uses the pure ASCII notation as well, therefore all IDN strings must be converted. This is done automatically when you select *International Domain Name* and enter a string with non-ASCII characters.

Note that you can not use shell expressions with IDN strings.

Furthermore, use the following items when adding a new entry to the list:

- *deactivate*

Enable this option to insert a new URL in the list that will not yet be used for filtering, however.

— *do not filter*

Enable this option to exclude the URL you entered above from filtering.

— *Add to Link Filter List*

After specifying the information for a URL, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add a URL to the list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

If a URL or shell expression that was configured under another policy is already in the list, the setting of the *Add to all policies* checkbox will have no effect.

The Link Filter List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *URL* column heading.

To edit an entry, type the appropriate text in the corresponding input field and mark or clear the *deactivate* and *do not filter* checkboxes in the same line.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.8.3 Dimension Filter List

The *Dimension Filter List* tab looks like this:

The screenshot shows a web interface for managing a Dimension Filter List. At the top, there are three tabs: 'Settings', 'Link Filter List', and 'Dimension Filter List'. The 'Dimension Filter List' tab is active and contains the following elements:

- Section Header:** 'Dimension Filter List - Eliminates banner ads and objects by size' with a help icon (?) on the right.
- Add new dimension:** A text input field with a placeholder '(Format: "width, height" in pixels)'. Below it is a checkbox labeled 'deactivate'.
- Buttons:** 'Add to Dimension filter List' and 'Add to all policies'.
- Summary:** 'Found 62 entries with '*'' and 'Number of entries per page: 10'.
- Table:** A table with columns 'Select' and 'Dimension'. It lists 12 dimensions, each with a checkbox and a 'deactivate' checkbox.
- Footer:** 'Select All' checkbox, 'Delete Selected' button, and a pagination control showing 'Page: 1 of 7'.

Select	Dimension
<input type="checkbox"/>	60x52
<input type="checkbox"/>	80x340
<input type="checkbox"/>	88x31
<input type="checkbox"/>	100x70
<input type="checkbox"/>	120x60
<input type="checkbox"/>	120x90
<input type="checkbox"/>	120x240
<input type="checkbox"/>	120x600
<input type="checkbox"/>	125x44
<input type="checkbox"/>	125x90

There is this one section on this tab:

- *Dimension Filter List*

It is described in the following.

Dimension Filter List

The *Dimension Filter List* section looks like this:

Dimension Filter List - Eliminates banner ads and objects by size

Add new dimension:
(Format: "width, height" in pixels)

deactivate

Add to all policies

Found 62 entries with '*'

Select	Dimension	
<input type="checkbox"/>	<input type="text" value="60x52"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="80x340"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="88x31"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="100x70"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="120x60"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="120x90"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="120x240"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="120x600"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="125x44"/>	<input type="checkbox"/> deactivate
<input type="checkbox"/>	<input type="text" value="125x90"/>	<input type="checkbox"/> deactivate

Select All

Using this section, you can add dimension settings to the Dimension Filter List and edit them.

These can be used for filtering images, applets and plug-ins.

To do this, use the area labeled:

- *Add new dimension*

In the input field provided here, enter a pair of pixel values to specify the height and width of an object that should be filtered, e. g. *60x52*.

Furthermore, use the following item when adding dimension settings to the list:

- *deactivate*

If this option is enabled the corresponding dimension settings will be added to the list, but not yet used for filtering.

— *Add to Dimension Filter List*

After specifying the dimensions settings in the way described above, click on this button to add them to the list.

This addition will be valid only under the policy you are currently configuring.

To add dimensions to the list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

If dimension settings that were configured under another policy are already in the list, the setting of the *Add to all policies* checkbox will have no effect.

The Dimension Filter List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To edit an entry, type the appropriate pixel values in the corresponding input field and mark or clear the *deactivate* checkbox in the same line.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.9

Privacy Filters

The *Privacy Filters* options are invoked by clicking on the corresponding button under *Common*:

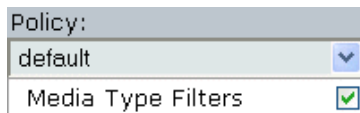


If you want to enable any of these options, mark the checkbox that is on this button.

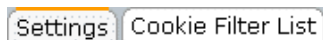
Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tabs:

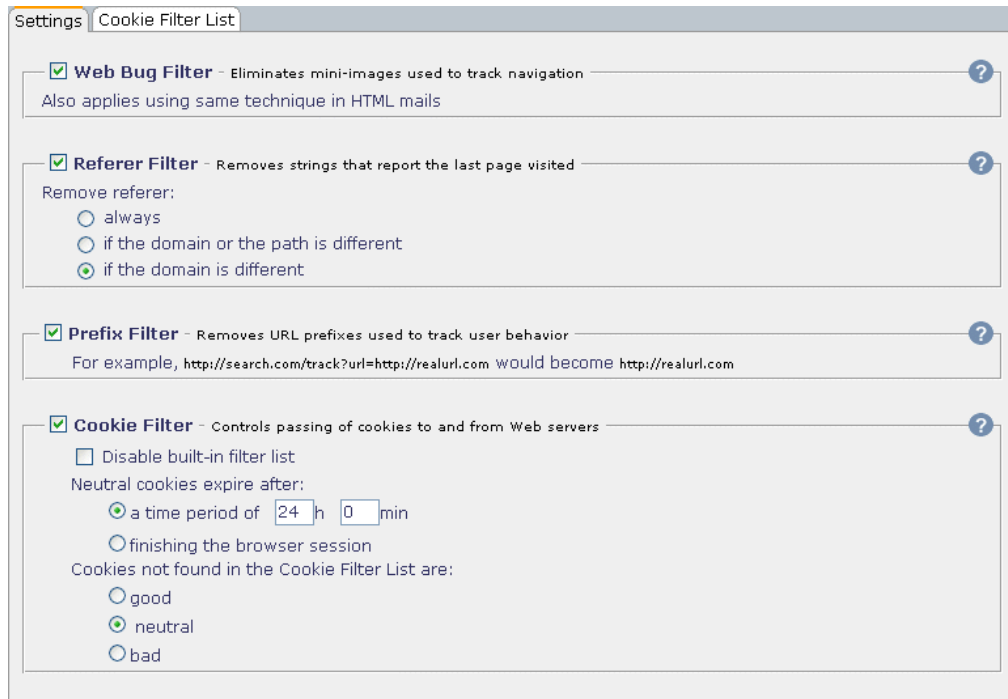


They are described in the upcoming sections:

- *Settings*, see [3.9.1](#)
- *Cookie Filter List*, see [3.9.2](#)

3.9.1 Settings

The *Settings* tab looks like this:



Settings Cookie Filter List

Web Bug Filter - Eliminates mini-images used to track navigation
Also applies using same technique in HTML mails

Referrer Filter - Removes strings that report the last page visited
Remove referer:
 always
 if the domain or the path is different
 if the domain is different

Prefix Filter - Removes URL prefixes used to track user behavior
For example, `http://search.com/track?url=http://realurl.com` would become `http://realurl.com`

Cookie Filter - Controls passing of cookies to and from Web servers
 Disable built-in filter list
 Neutral cookies expire after:
 a time period of h min
 finishing the browser session
 Cookies not found in the Cookie Filter List are:
 good
 neutral
 bad

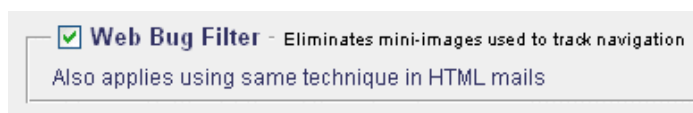
There are four sections on this tab:

- *Web Bug Filter*
- *Referrer Filter*
- *Prefix Filter*
- *Cookie Filter*

They are described in the following.

Web Bug Filter

The *Web Bug Filter* section looks like this:



Web Bug Filter - Eliminates mini-images used to track navigation
Also applies using same technique in HTML mails

Using this section, you can configure a filter to eliminate Web bugs.

These are also known as clear GIFs or Web beacons. They are usually 1 pixel x 1 pixel mini-images in size and are used to track user navigation behavior on Web sites and in e-mail to see if an e-mail was opened by the recipient.

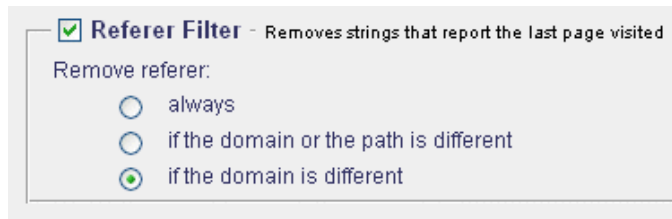
The filter is also applied to the same technique used in HTML messages.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After modifying this setting, click on [Apply Changes](#) to make the modification effective.

Referer Filter

The *Referer Filter* section looks like this:



Using this section, you can configure a filter to remove referer strings that report the last page visited by a user.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After modifying this setting or any other setting in this section, click on [Apply Changes](#) to make the modification effective.

To configure the filtering of referer strings, use the radio buttons of the area labeled:

- *Remove referer*

Check or uncheck one of these three radio buttons as needed:

— *always*

If this option is enabled a referer is always removed regardless of where the user in question came from.

— *if the domain or the path is different*

If this option is enabled a referer is removed if the user came from a different path or URL.

It leaves the referer unaffected if you the user moves through the same or subsequent path.

This option may be enabled if user movement should be hidden, but there are services that rely on a referer to work properly.

— *if the domain is different*

If this option is enabled a referer is removed in case the user came from a different Web site.

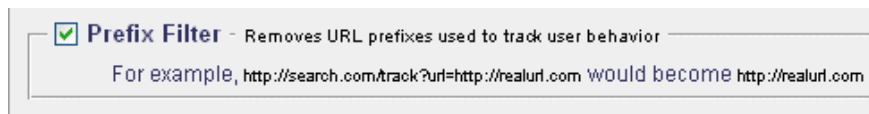
It leaves the referer unaffected if the user moves through the same Web site.

This allows the Webmaster to track user movement through this Web site. The information may be useful for adjusting or optimizing the navigational structure of the site.

As well, some services such as online banking may need a referer to work properly.

Prefix Filter

The *Prefix Filter* section looks like this:



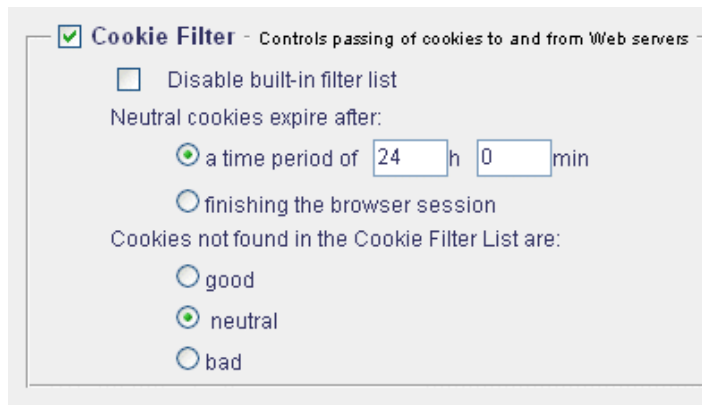
Using this section, you can configure a filter to remove all prefixes from URLs that are used by some sites to track user behavior.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After modifying this setting, click on *Apply Changes* to make the modification effective.

Cookie Filter

The *Cookie Filter* section looks like this:



The screenshot shows a configuration window titled "Cookie Filter - Controls passing of cookies to and from Web servers". It contains the following elements:

- A checked checkbox labeled "Cookie Filter".
- An unchecked checkbox labeled "Disable built-in filter list".
- A section titled "Neutral cookies expire after:" with three radio button options:
 - A selected radio button labeled "a time period of 24 h 0 min".
 - An unselected radio button labeled "finishing the browser session".
- A section titled "Cookies not found in the Cookie Filter List are:" with three radio button options:
 - An unselected radio button labeled "good".
 - A selected radio button labeled "neutral".
 - An unselected radio button labeled "bad".

Using this section, you can configure a filter to block bad cookies.

You can set the life span for neutral cookies or let them expire after finishing the browser session.

The Cookie Filter controls the data stream between users and the Web in both directions, a requirement for efficient filtering. Transmitted cookies coming in on the Web server, in addition to those from the browser, are controlled by Webwasher.

The distinction between the good, and thus necessary cookies, and the bad cookies that invade privacy is carried out by Webwasher using an algorithm and the built-in filter list depending on the URL of a cookie.

To add and edit cookies on this list, go to the *Cookie Filter List* tab.

If you want to use this filter, make sure the checkbox next to the section heading is marked. The checkbox is marked by default.

After modifying any of these settings, click on *Apply Changes* to make the modification effective.

Use the following items to configure cookie filtering:

- *Disable built-in filter list*

If this option is enabled the built-in filter list is used. The option is disabled by default.

- *Neutral cookies expire after*

Use the radio buttons and input fields provided here in the following way:

- *a time period of . . . h . . . min*

Make sure this radio button is checked if you want to configure a life span for neutral cookies. The radio button is checked by default.

Enter the appropriate time periods (in hours and minutes) in the input fields provided here. The default value is 24 hours.

- *finishing the browser session*

Check this radio button to let neutral cookies expire when sessions are ended.

A pop-up is a display area, usually a small window, that suddenly pops up in the foreground of the visual interface.

- *Cookies not found in the filter list are*

Use the radio buttons provided to configure a default classification for cookies:

- *good*

Check this radio button to classify unknown cookies as good.

- *neutral*

Check this radio button to classify unknown cookies as neutral.

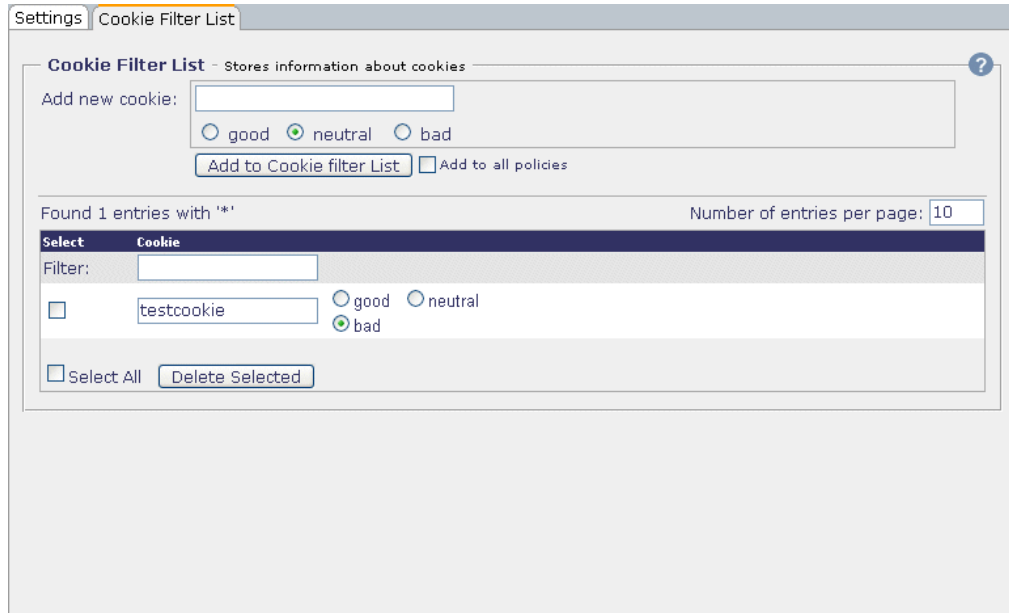
Unknown cookies are classified so by default.

- *bad*

Check this radio button to classify unknown cookies as bad.

3.9.2 Cookie Filter List

The *Cookie Filter List* tab looks like this:



There is one section on the tab:

- *Cookie Filter List*

It is described in the following.

Cookie Filter List

The *Cookie Filter List* section looks like this:

Cookie Filter List - Stores information about cookies

Add new cookie:

good neutral bad

Add to all policies

Found 1 entries with **

Select	Cookie
<input type="checkbox"/>	testcookie <input type="radio"/> good <input checked="" type="radio"/> neutral <input type="radio"/> bad

Select All

Using this section, you can add entries to the Cookie Filter List and edit them.

Shell expressions in this list will be compared to the domain where the cookie was sent from or will be sent to, in order to determine whether the cookie is good, neutral or bad. Good cookies can pass, bad cookies are filtered out and neutral cookies will vanish after the configured life span.

To add a cookie to the list, use the area labeled:

- *Add new cookie*

In the input field provided here enter the cookie.

Then classify it by checking of one of these three radio buttons:

— *good – neutral – bad*

The *neutral* button is checked by default.

— *Add to Cookie Filter List*

After specifying a cookie and classifying it, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add a cookie to the list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

If a cookie that was configured under another policy is already in the list, the setting of the *Add to all policies* checkbox will have no effect.

The Cookie Filter List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To edit an entry, type the appropriate text in the input field of the cookie, and check or uncheck the *good*, *neutral* or *bad* button in the same line.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.10

Text Categorization

The *Text Categorization* options are invoked by clicking on the corresponding button under *Common*:

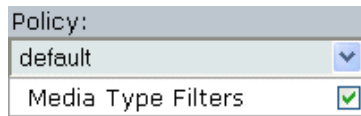
Text Categorization

If you want to enable any of these options, mark the checkbox that is on this button.

Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



A screenshot of a web interface showing a dropdown menu. The menu is titled "Policy:" and has two options: "default" with a downward arrow icon, and "Media Type Filters" with a green checkmark icon.

The options are arranged under the following tabs:



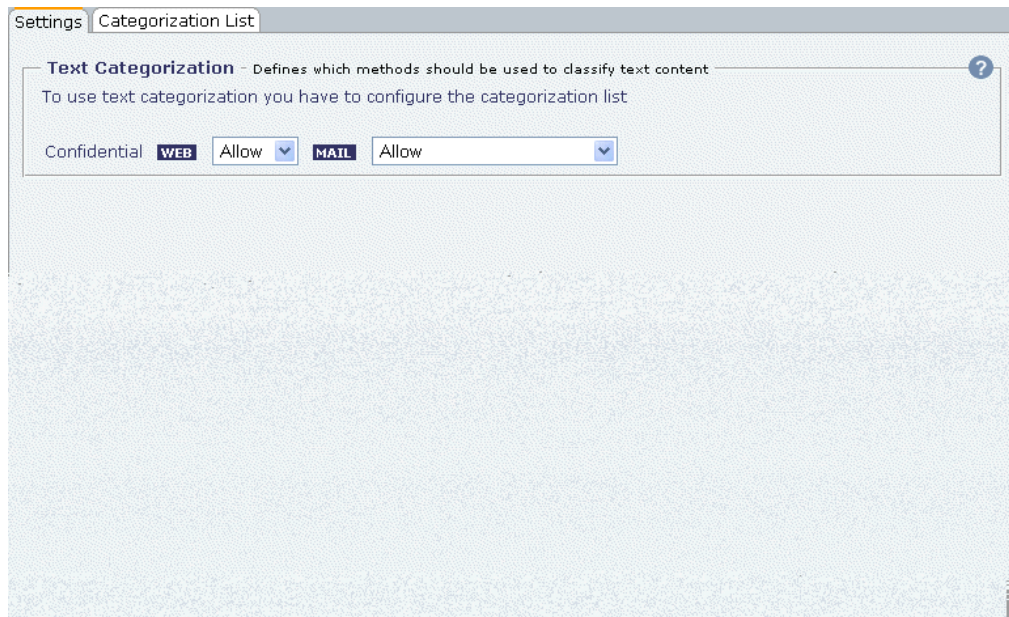
A screenshot of a web interface showing two tabs: "Settings" and "Categorization List". The "Settings" tab is currently selected and highlighted with an orange underline.

They are described in the upcoming sections:

- *Settings*, see [3.10.1](#)
- *Categorization List*, see [3.10.2](#)

3.10.1 Settings

The *Settings* tab looks like this:



A screenshot of the "Settings" tab in a web interface. The tab is titled "Settings" and "Categorization List". The main content area is titled "Text Categorization" and includes a subtitle "Defines which methods should be used to classify text content" and a help icon. Below this, there is a text box stating "To use text categorization you have to configure the categorization list". Underneath, there are two settings: "Confidential" with a "WEB" button and an "Allow" dropdown menu, and "MAIL" with an "Allow" dropdown menu.

There is one section on this tab:

- *Text Categorization*

It is described in the following.

Text Categorization

The *Text Categorization* section looks like this:

Category	WEB	MAIL
Confidential	Block	Replace
User-Defined	Mixed	Mixed
User-Defined 1	Block	Replace
User-Defined 2	Block	Replace
User-Defined 3	Block	Replace
User-Defined 4	Block	Replace
User-Defined 5	Block	Replace
User-Defined 6	Allow	Allow

Using the text categorization filter you can specify single keywords and combinations of words and filter office documents and e-mail attachments containing these words.

In this section, you configure the actions that should be taken whenever the text categorization filter matches. You can configure different actions for particular categories of documents.

Furthermore, you can configure different actions for Web and e-mail traffic.

A confidential category is provided here for a start. Apart from this, you can configure actions for up to six categories of your own.

The rules for the keywords and combinations that should be filtered are configured and listed on the *Categorization List* tab.

If you want to configure actions for text categorization, select them from the appropriate drop-down lists.

Then click on *Apply Changes* to make your settings effective.

Select actions for Web and e-mail traffic from the following lists:

- *Confidential*

Select actions for documents falling into the confidential category here.

- *User-Defined, User Defined 1 , etc.*

Select actions for documents falling into any of your own categories here.

3.10.2 Categorization List

The *Categorization List* tab looks like this:

Settings | Categorization List

Text Categorization List - Uses Boolean Logic to define content categorization rules

Add Rule: AND AND NOT

more than times per words

Select one or more categories to apply to the above rule:

Category 1:

Category 2:

Category 3:

Add to all policies

Found 1 entries with '*' Number of entries per page:

Select	Rule
<input type="checkbox"/>	<input type="text"/> AND <input type="text"/> AND NOT <input type="text"/> Categories: <input type="text" value="Please select"/> <input type="text" value="Please select"/> <input type="text" value="Please select"/>

Select All Deactivate

There is one section on this tab:

- *Text Categorization List*

It is described in the following.

Text Categorization List

The *Text Categorization List* section looks like this:

Using the text categorization filter you can specify single keywords and combinations of words and filter office documents and e-mail attachments containing these words.

In this section, you can configure rules for the keywords and combinations of keywords that should be filtered and add them to the Text Categorization List.

To add a text categorization rule to the list, use the area labeled:

- *Add rule*

Use the following items to configure a rule and add it to the list:

— *[term 1] AND [term 2] AND NOT [term 3]*

Make sure the radio button in this line is checked if you want to configure a rule according to this method, which is one of two provided here.

This method uses Boolean logic to determine the placement of words in an office document or e-mail message. It is enabled by default.

In the input fields, enter the words or word combinations you want to filter, e. g. *Bahamas*, *Maledives*, *work* to set up a rule like the following:

Bahamas AND Maledives AND NOT work

— *[term 1] more than [term 2] times per [term 3] words*

Check the radio button in this line to configure a rule according to the second method provided here.

It is based on counting how often a particular word or combination appears in the text body of an office document or an e-mail message.

In the input fields, enter the word or word combination you want to filter, e. g. *money*, *3*, *10* to set up a rule like the following:

money more than 3 times per 10 words

— *Select one or more categories to apply to the above rule*

From the drop-down lists provided here select one or more categories. The rule configured above will be applied within these categories.

— *Create Rule*

After setting up a text categorization rule, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add a rule to the list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

The Text Categorization List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To edit an entry, type the appropriate text in the input field of the rule.

Enable or disable a rule by marking or clearing the *Deactivate* checkbox in the corresponding line.

Then click on *Apply Changes* to make these settings effective. You can edit more than one list entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

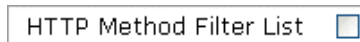
Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

3.11

HTTP Method Filter List

The *HTTP Method Filter List* options are invoked by clicking on the corresponding button under *Common*:

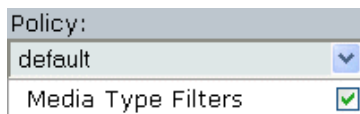


If you want to enable any of these options, mark the checkbox that is on this button.

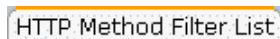
Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:



They are described in the upcoming sections:

- *HTTP Method Filter List*, see [3.11.1](#)

3.11.1 HTTP Method Filter List

The *HTTP Method Filter List* tab looks like this:

The screenshot shows the 'HTTP Method Filter List' configuration window. At the top, it says 'HTTP Method Filter List - Executes actions based on HTTP methods'. Below this is a form for adding a new rule. The 'Add rule:' section includes a 'Method' dropdown set to 'GET', an empty 'URL' text box, a 'Category' dropdown set to 'Please select / Delete category', and an 'Action' dropdown set to 'Allow'. There is also a 'Continue' checkbox (unchecked) and a 'Description' text box. Below the form are two buttons: 'Add to HTTP Method Filter List' and 'Add to all policies' (unchecked).

Below the form, it says 'Found 1 entries with **'. To the right, there is a 'Number of entries per page:' dropdown set to '10'. Below this is a table with the following columns: 'Select', 'Method', 'URL', 'Category', 'Action', 'Cont.', and 'Description'. The table contains one entry with the following values: 'Select' (checkbox), 'Method' (GET), 'URL' (empty), 'Category' (Please select / Delete category), 'Action' (Allow), 'Cont.' (checkbox), and 'Description' (empty). Below the table are four buttons: 'Select All', 'Delete Selected', 'Move Up', and 'Move Down'.

There is one section on this tab:

- *HTTP Method Filter List*

It is described in the following.

HTTP Method Filter List

The *HTTP Method Filter List* section looks like this:

HTTP Method Filter List - Executes actions based on HTTP methods

Add rule: Method: URL: Category: Action:

Continue

Description:

Add to all policies

Found 1 entries with '*'

Select	Method	URL	Category
<input type="checkbox"/>	GET	<input type="text"/>	Please select / D

Select All

Using this section, you can configure rules for assigning actions to particular HTTP methods that occur in user requests and add these rules to a list. The rules may also include a categorization of the method and specify the URL it is applied to.

So, you could set up a rule that, e. g. categorizes the GET method when applied to a particular URL as *Entertainment* and blocks the corresponding request.

To add a rule to the list, use the area labeled:

- *Add rule*

Use the following items to configure the rule:

— *Method*

From this drop-down list, select the HTTP method you want to configure a rule for, e. g. GET.

— *URL*

In this input field, enter the URL that is requested when the HTTP method is used. Input in this field is optional.

— *Category*

From this drop-down list, select a URL filtering category you want to assign to the HTTP method. Setting this category is also optional.

— *Action*

From this drop-down list, select the action you want to have executed if the rule matches.

— *Continue*

If this checkbox is marked, Webwasher will look for further matches after the rule matched for the first time. Otherwise, filtering activities will be stopped after the first match.

— *Description*

Enter a description of the rule here. Input in this field is optional..

— *Add to HTTP Method Filter List*

After specifying the appropriate information in the fields above, click on this button to add the rule to the list.

The rule will be valid only under the policy you are currently configuring. To add a rule to the list that is valid for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

The HTTP Method Filter List is displayed at the bottom of the section. You can edit list entries, change their order or delete them.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number* of entries per page and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To edit an entry, type the appropriate text in the input field of the *URL* or *Description* column or in both, select the appropriate method, category and action from the drop-down lists and enable or disable the *Continue* option.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filtering term in the input field of the *URL* or *Description* column or in both or select a method, category or action or any combination of them from the drop-down lists and enter this using the *Enter* key of your keyboard.

The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go. To delete all entries, mark the *Select all* checkbox and click on this button.

The list will then display only entries matching the filter.

- *Move Up, Move Down*

Select the entry you wish to move by marking the *Select* checkbox next to it and click on either of these buttons, depending on where you want to move the entry.

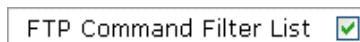
The position an entry takes in the list is important since whenever more than one of the entries, i. e. rules, in the list match a request, the entry that is first in the list wins.

This means that all following entries are ignored unless the *Continue* option is set.

3.12

FTP Command Filter List

The *FTP Command Filter List* options are invoked by clicking on the corresponding button under *Common*:

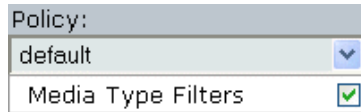


If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

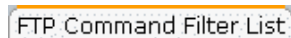
These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



A screenshot of a web interface showing a dropdown menu. The label 'Policy:' is above the dropdown. The dropdown is currently open, showing 'default' as the selected option with a downward arrow. Below it, 'Media Type Filters' is listed with a green checkmark icon to its right.

The options are arranged under the following tab:



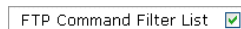
A screenshot of a single tab in a web interface. The tab is labeled 'FTP Command Filter List' and has a small green checkmark icon to its right.

They are described in the upcoming section:

- *FTP Command Filter List*, see [3.12.1](#)

3.12.1 FTP Command Filter List

The *FTP Command Filter List* tab looks like this:



A screenshot of the 'FTP Command Filter List' tab. The tab is labeled 'FTP Command Filter List' and has a small green checkmark icon to its right.

There is one section on this tab:

- *FTP Command Filter List*

It is described in the following.

FTP Command Filter List

The *FTP Command Filter List* section looks like this:

FTP Command Filter List - Executes actions based on FTP command categories

Add rule: Command category:

URL:

Category:

Action:

Continue

Description:

Add to all policies

Found 1 entries with '*'

Select	Command Category	URL	Category
<input type="checkbox"/>	<input type="text" value="Partial"/> <input type="text"/>	<input type="text"/>	<input type="text" value="Please select / De"/>

Select All

Using this section, you can configure rules for assigning actions to particular FTP commands that occur in user requests and add these rules to a list. The rules may also include a categorization of the command and specify the URL it is applied to.

So, you could set up a rule that, e. g. categorizes a *Server Access* command when applied to a particular URL as *Chat* and blocks the corresponding request.

Note, however, that rules are not configured here for individual commands, but rather for command categories, such as the category of *Server Access* commands, or of *Download* commands, etc.

The command categories used here include the following FTP commands:

- *Server Access*: USER, LIST, NLIST
- *Partial*: REST, APPE
- *Download*: RETR
- *Upload*: APPE, STOR, STOU, MKD, ALLO
- *Rename*: RNFR, RNTD
- *Delete*: DELE, RMD
- *Site*: SITE

To add a rule to the list, use the area labeled:

- *Add rule*

Use the following items to configure the rule:

- *Command category*

The FTP Command Filter List is displayed at the bottom of the section. You can edit list entries, change their order or delete them.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number* of entries per page and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To edit an entry, type the appropriate text in the input field of the *URL* or *Description* column or in both, select the appropriate method, category and action from the drop-down lists and enable or disable the *Continue* option.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filtering term in the input field of the *URL* or *Description* column or in both or select a command, URL filtering category or action or any combination of them from the drop-down lists and enter this using the *Enter* key of your keyboard.

The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go. To delete all entries, mark the *Select all* checkbox and click on this button.

The list will then display only entries matching the filter.

- *Move Up, Move Down*

Select the entry you wish to move by marking the *Select* checkbox next to it and click on either of these buttons, depending on where you want to move the entry.

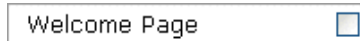
The position an entry takes in the list is important since whenever more than one of the entries, i. e. rules, in the list match a request, the entry that is first in the list wins.

This means that all following entries are ignored unless the *Continue* option is set.

3.13

Welcome Page

The *Welcome Page* options are invoked by clicking on the corresponding button under *Common*:

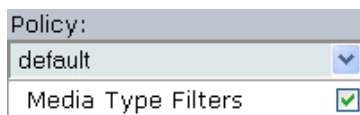


If you want to enable any of these options, mark the checkbox that is on this button.

Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:



They are described in the upcoming section:

- *Welcome Page*, see [3.13.1](#)

3.13.1 Welcome Page

The *Welcome Page* tab looks like this:

Welcome Page

Welcome page options - Defines options for this policy

Define when and how often the welcome page should be shown

Show once a day at 7:00

Show each 360 minutes

Opt-Out

Manipulate user history - Allows to set options for one individual user

User identifier:

(Format: user.name or 192.168.67.33)

Upload - Allows to upload the welcome page content

Filename:

Store as: (Needed only if uploaded file is not an archive)

Add or overwrite content

Replace complete folder

Show updated page immediately

There are three sections on this tab:

- *Welcome Page Options*
- *Manipulate User History*
- *Upload*

They are described in the following.

Welcome Page Options

The *Welcome Page Options* section looks like this:

Welcome page options - Defines options for this policy

Define when and how often the welcome page should be shown

Show once a day at 7:00

Show each 360 minutes

Opt-Out

Using this section, you can configure options for the Welcome Page. You can configure the time and frequency of its appearance and also if it should appear at all.

Use the following items to configure the Welcome Page options:

- *Show once a day at . . .*

To let the Welcome Page appear only once a day, make sure the radio button provided here is checked and enter the time of appearance in the input field.

Use the 24-hours format to enter a time (1 p. m. = 13:00).

- *Show each . . . minutes*

To let the Welcome Page appear after a particular time interval has elapsed, check the radio button provided here and enter the time interval (in minutes) in the input field.

- *Opt out*

If this checkbox is marked, the Welcome Page will not appear in sessions of the user who configured this setting.

Manipulate User History

The *Manipulate User History* section looks like this:

Using this section, you can configure options for the Welcome Page with regard to an individual user. You can configure that the Welcome Page is displayed to this user or not. If it is displayed, the options of appearance configured in the Welcome Page Options section above apply.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following items to configure Welcome Page options for an individual user:

- *User identifier*

In this input field, enter information to identify the user. This can either be the IP address of the user's system or the authenticated user name.

The Welcome Page will then be displayed to this user or not, depending on which of the two buttons described below you click on.

- *Show again*

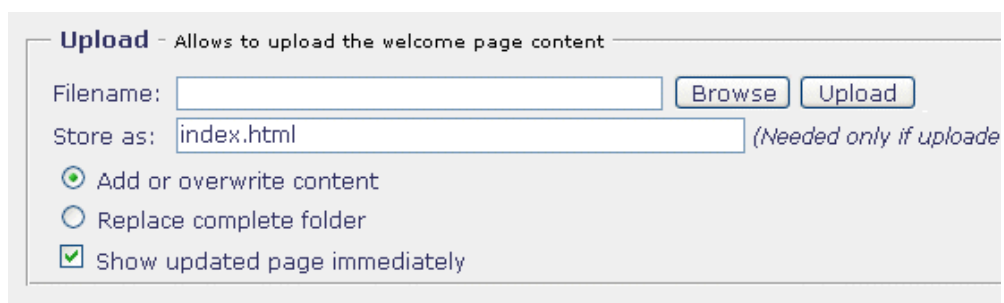
Click on this button to let the Welcome Page appear again for this user. This means that the page is displayed not only once, but also for the following requests of this user.

- *Show never again*

Click on this button to hide the Welcome Page from this user.

Upload

The *Upload* section looks like this:



Upload - Allows to upload the welcome page content

Filename:

Store as: (Needed only if upload...)

Add or overwrite content

Replace complete folder

Show updated page immediately

Using this section, you can configure and perform the upload of a file to display its content on the Welcome Page. Furthermore, you can let the Welcome Page appear immediately after the upload, regardless of what was configured in the other sections of this tab.

Use the following items to handle the upload of a Welcome Page:

In this section, you configure the actions that should be taken whenever the text categorization filter matches. You can configure different actions for particular categories of documents.

Furthermore, you can configure different actions for Web and e-mail traffic.

A confidential category is provided here for a start. Apart from this, you can configure actions for up to six categories of your own.

The rules for the keywords and combinations that should be filtered are configured and listed on the *Categorization List* tab.

If you want to configure actions for text categorization, select them from the appropriate drop-down lists.

After modifying the settings in this section, click on Apply Changes to make the modification effective.

Use the following items to handle the upload of a Welcome Page:

- *Filename*

In this input field, enter the name of the file you want to upload. Type the file name or use the *Browse* button next to the input field to browse to the file.

Then click on the *Upload* button to perform the upload.

- *Store as*

In this input field, enter the name you want store the uploaded file under.

If you are uploading an archive, you need not enter a name here since the file name will be used that is in the archive.

- *Add or overwrite content*

To add the content of the uploaded file to the Welcome Page or have its content overwritten by the uploaded content, make sure this radio button is checked.

The radio button is checked by default.

- *Replace complete folder*

To delete all old files providing content for the Welcome Page prior to the upload, mark this checkbox.

- *Show updated page immediately*

To let the Welcome Page appear immediately after the upload, regardless of the settings in the other sections of this tab, make sure this checkbox is marked.

The checkbox is marked by default.

3.14

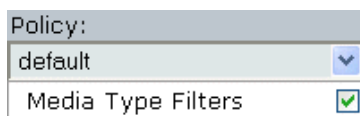
White List

The *White List* options are invoked by clicking on the corresponding button under *Common*:



These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Media Type Filters* button:



The options are arranged under the following tab:



They are described in the upcoming section:

- *White List*, see [3.14.1](#)

3.14.1 White List

The *White List* tab looks like this:

White List - Prevents filters from being applied to shell expression entries

Add new entry: String [] []
None [] []

Description: <Enter description here>

Disable:

- Media Type Filter
- Document Inspector
- Archive Handler
- Generic Header Filter
- Generic Body Filter
- Advertising Filter
- Privacy Filter
- Text Categorization
- URL Category Actions
- Filter by Expressions
- Proactive Scanning
- Proactive Scanning - Script Code Mitigation
- Authenticode
- Embedded Objects
- ActiveX Controls
- Embedded Scripts
- Spam Filter
- Sender Filter
- Recipient Filter
- Subject Filter
- Size Filter
- Attachment Filter
- Data trickling
- Progress pages
- All AV engines
- Secure Anti-Malware
- ETrust
- McAfee
- Sophos

Add to White List Add to all policies

Found 1 entries with 't' Number of entries per page: 10

Select	Entry
<input type="checkbox"/>	teststring Web: Any <Enter description here>

Select All Delete Selected Move Up Move Down

There is one section on this tab:

- *White List*

It is described in the following.

White List

The *White List* section looks like this:

White List - Prevents filters from being applied to shell expression entries

Add new entry: String [v] []

None [v] [v]

Description: <Enter description here>

Disable:

- Media Type Filter
- Document Inspector
- Archive Handler
- Generic Body Filter
- Advertising Filter
- Privacy Filter
- URL Category Actions
- Filter by Expressions
- Proactive Scanning
- Authenticode
- Embedded Objects
- ActiveX Controls
- Spam Filter
- Sender Filter
- Recipient Filter
- Size Filter
- Attachment Filter
- Data trickling
- All AV engines
- Secure Anti-Malware
- ETrust
- Sophos

[Add to White List] Add to all policies

Found 1 entries with **

Select	Entry
<input type="checkbox"/>	testdomain Web: Any

Disable:

- Media Type Filter
- Document Inspector
- Advertising Filter
- Filter by Expressions
- Embedded Objects
- Sender Filter
- Attachment Filter
- Secure Anti-Malware
- Sophos

[Select All] [Delete Selected] [Move Up] [Move Down]

Using this section, you can add an object to the White List and exclude it from the application of particular Webwasher filters.

The objects can be specified using shell expressions. Furthermore, you can specify the type of object you would like to exclude from filtering, e. g. *Web*, *E-Mail*, *Media Type*, etc.

To specify exactly what the filters are that the object in question should be excluded from, there is a list of filters provided here, where you can disable and enable filters according to your requirements.

To add an object to the white list, use the area labeled:

- *Add new entry*

Select *String* or *International Domain Name* from the first of the drop-down lists provided here.

In the input field next to it, enter a string to specify the object using shell expressions.

To specify the object type, select *Web*, *E-Mail*, *Archive*, *Media Type*, *Embedded Object*, or *Header* from the drop-down list below the first one.

You can further specify the object type by selecting a value from the drop-down list to the right. So, e. g. for *Embedded Object* you can further specify *Any Type*, *ActiveX* or *Link*.

Furthermore, use the following items when adding a new entry to the list:

- *Description*

Input in this field is optional. You may enter a description of the media type here.

- *Disable*

In the list of filters provided here, specify those that you want to exclude the object in question from. To do this mark the corresponding checkboxes.

If you would, e. g., like to allow pop-up windows from an online banking Web site, enter the domain name of the site in the input field provided above and disable the Advertising Filter.

- *Add to White List*

After specifying the information for an object, click on this button to add it to the list.

This addition will be valid only under the policy you are currently configuring.

To add an object to the white list for all policies, mark the checkbox labeled *Add to all policies* before clicking on the button.

The White List is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Media Type* or *Description* column heading.

To edit an entry, type the appropriate text in the input field for the object name or its description and enable or disable the filters as needed.

Then click on *Apply Changes* to make these settings effective. You can edit more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

- *Move Up, Move Down*

Select the entry you wish to move by marking the *Select* checkbox next to it and click on either of these buttons, depending on where you want to move the entry.

The position an entry takes in the list is important since whenever there is more than one entry in the list containing information on a particular object, the entry that is first in the list wins.

3.15

User Defined Categories

The *User Defined Categories* options are invoked by clicking on the corresponding button under *Common*:

User Defined Categories

The options are arranged under the following tab:

User Defined Categories

They are described in the upcoming section:

- *User Defined Categories*, see [3.15.1](#)

3.15.1

User Defined Categories

The *User Defined Categories* tab looks like this:

The screenshot shows a tab titled "User Defined Categories" with a sub-header "User-Defined Categories - Names and abbreviates categories (to be written to the log files)". Below the sub-header, there is a text input field for "Number of user defined categories" with the value "5" and a note "(up to 500)". Below this, there are five rows, each representing a category. Each row has two input fields: one for the category name and one for the abbreviation. The categories are labeled "Category 1" through "Category 5". The names are "User-Defined 1" through "User-Defined 5" and the abbreviations are "UD-1" through "UD-5".

Category	Name	Abbreviation
Category 1	User-Defined 1	UD-1
Category 2	User-Defined 2	UD-2
Category 3	User-Defined 3	UD-3
Category 4	User-Defined 4	UD-4
Category 5	User-Defined 5	UD-5

There is one section on this tab:

- *User Defined Categories*

It is described in the following.

User Defined Categories

The *User Defined Categories* section looks like this:

Category ID	Category Name	Full Name	Abbreviated Name
2	Category 2	User-Defined 2	UC
3	Category 3	User-Defined 3	UC
4	Category 4	User-Defined 4	UC
5	Category 5	User-Defined 5	UC

Using this section, you can configure your own categories for URL classification with names and abbreviated name formats. You can configure up to 15 categories this way.

The abbreviated format is needed for two purposes: the log files and the X-Attribute header. The X-Attribute header is a type of REQMOD/RESPMOD header, and is a compatibility setting used to simplify the cooperation between the ICAP server and client.

Note that after changing an abbreviated name (all the possible values of the X-Attribute header will be sent in the OPTIONS response), ICAP clients may run into problems until the next OPTIONS request if they rely on previous OPTIONS responses.

The categories that you configure here will be shown on the *Category Actions* tab under *URL Filter > Category Actions*, where you can configure actions, e. g. *Block, Block, log and notify, Allow* etc. for these categories.

After specifying the appropriate settings, click on *Apply Changes* to make them effective.

Use the following items to configure your own categories:

- *Number of user defined categories*

In the input field provided here, enter the number of categories you want to configure. The maximum number is 15 (Default : 5).

Then click on *Apply Changes* for the first time. You need to click on this button a second time after specifying the settings for the individual categories.

The list of category input fields will then be enlarged or reduced according to the number you entered.

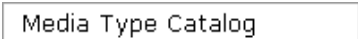
- *Category 1 to Category n*

In the input fields provided here, enter the category names you want to use and the abbreviated formats of these names.

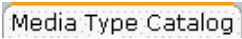
3.16

Media Type Catalog

The *Media Type Catalog* options are invoked by clicking on the corresponding button under *Common*:



The options are arranged under the following tab:

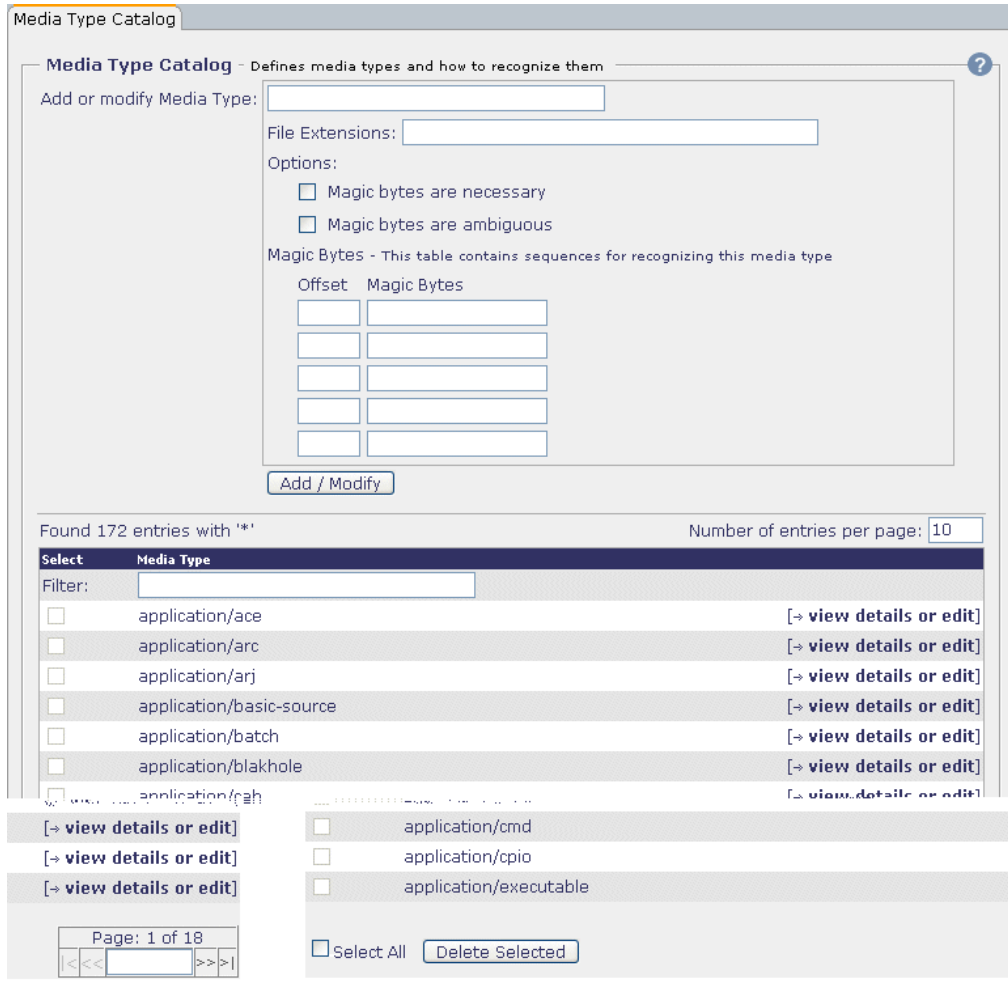


They are described in the upcoming section:

- *Media Type Catalog*, see [3.16.1](#)

3.16.1 Media Type Catalog

The *Media Type Catalog* tab looks like this:



There is one section on this tab:

- *Media Type Catalog*

It is described in the following.

Media Type Catalog

The *Media Type Catalog* section looks like this:

Media Type Catalog - Defines media types and how to recognize them

Add or modify Media Type:

File Extensions:

Options:

Magic bytes are necessary

Magic bytes are ambiguous

Magic Bytes - This table contains sequences for recognizing this media type

Offset	Magic Bytes
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Found 129 entries with '*'

Select	Media Type
<input type="checkbox"/>	application/ace
<input type="checkbox"/>	application/arc
<input type="checkbox"/>	application/arj
<input type="checkbox"/>	application/basic-source
<input type="checkbox"/>	application/batch
<input type="checkbox"/>	application/blakhole
<input type="checkbox"/>	application/cab
<input type="checkbox"/>	application/cmd
<input type="checkbox"/>	application/cpio
<input type="checkbox"/>	application/executable

Select All

Using this section, you can add a media type to the Media Type Catalog.

A media (content) type is a general category of data content, such as an application, audio content, a text message, an image, a video stream, etc.

The media type tells the application that receives the data what kind of application is needed to process the content, e. g. Real Audio is to play the audio content for a user.

Each of these media types also have subtypes, e. g. the text media type has four subtypes: plain, rich text, enriched, and tab-separated values.

You can also specify how a media type should be recognized by the particular magic byte sequences of the files belonging to it.

To add a media type to the catalog, use the area labeled:

- *Add or modify Media Type*

In the upmost input field provided here, enter the media type you want to add to the catalog.

Furthermore, use the following items when adding a media type to the catalog:

- *File Extensions*

In the input fields provided here, specify up to three extensions that files of the media type in question may have. So, e. g. the media type *image/jpeg* can have *jpg* or *jpeg* as extensions.

- *Options*

Configure the following options by marking the checkboxes provided for each of them:

- *Magic bytes are necessary*

If this option is enabled, a file that does not match the magic bytes sequences specified for its media type will be affected by the action, e. g. *Block*, configured for the Media Type Filter.

The corresponding setting is labeled *Non-rectifiable media types with magic bytes mismatch* and can be configured in the *Media Type Filter* section of the *Actions* tab under *Common > Media Type Filters*.

- *Magic bytes are ambiguous*

If this option is enabled, a file that does not match the magic bytes sequences specified for its media type will be affected by the action, e. g. *Block*, configured for the Media Type Filter.

It will, however, not be affected if several magic byte sequence were specified and one of them matches.

For the corresponding setting, see the description of the *Magic bytes are necessary* option above.

— *Magic Bytes*

In the input fields provided here, enter up to five magic byte sequences and their offsets to identify a media type:

Offset

In the input fields of this column enter the offset values for the magic byte sequences.

Magic Bytes

In the input fields of this column enter the values for the magic byte sequences themselves.

— *Add/Modify*

After specifying the information for a media type, click on this button to add it to catalog.

The list of the Media Type Catalog is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To view the details of an entry or modify them, click on the *view details or edit* link in the same line. This will display the information that was configured for it in the input fields and checkboxes of the upper part of the section, where you can modify it according to your requirements.

After modifying this information, click on the *Add/Modify* button to make the modification effective. You can modify more than one entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in the input field of the *Media Type* column at the top of the list and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

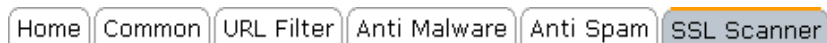
- *Delete Selected*

Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

SSL Scanner

The features that are described in this chapter are accessible over the [SSL Scanner](#) tab of the Web interface:



These features allow you to configure the filtering of SSL-encrypted traffic, thus protecting your network against viruses and other malicious content that may be hidden behind the SSL encryption.

The upcoming sections describe how to handle these features. The description begins with an overview.

4.1

Overview

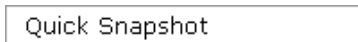
The following overview shows the sections that are in this chapter:

User's Guide – Webwasher SSL Scanner		
Introduction		
Home		
Common		
SSL Scanner		Overview – <i>this section</i>
		Quick Snapshot, see 4.2
	Policy Settings	Certificate Verification, see 4.3
		Scan Encrypted Traffic, see 4.4
		Certificate List, see 4.5
		Trusted Certificate Authorities, see 4.6
	Policy-Independent Settings	Global Certificate List, see 4.7
		Global Trusted Certificate Authorities, see 4.8
		Incident Manager, see 4.9

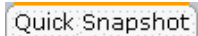
4.2

Quick Snapshot

The *Quick Snapshot* for the SSL Scanner functions is invoked by clicking on the corresponding button under *SSL Scanner*:



The following tab is then provided:



It is described in the upcoming section:

- *Quick Snapshot*, see [4.2.1](#)

Before this is done, however, the following subsection provides some general information on this quick snapshot feature.

Handling the Quick Snapshot

The quick snapshot feature on this tab allows you to view summary information about the certificate verification process performed by Webwasher at a glance. The information is displayed with regard to a given time interval.

Percentages are calculated for the various categories of results that the verification process may have. The percentages are shown by means of a pie chart on the left side of the tab section.

On the right side of the section, parameter values are shown as they developed in time, using either a stacked or a line mode.

The pie chart and the representation in stacked or line mode are handled in the same way as on the Webwasher dashboard.

You can:

- Select and deselect categories for display by marking and clearing the corresponding checkboxes:

<input checked="" type="checkbox"/>	text/html	▼
<input checked="" type="checkbox"/>	text/plain	▼
<input type="checkbox"/>	video/x-ms-wvx	▼

- Select a time interval for display, using the *Show last* drop-down list:

Show last: ▼

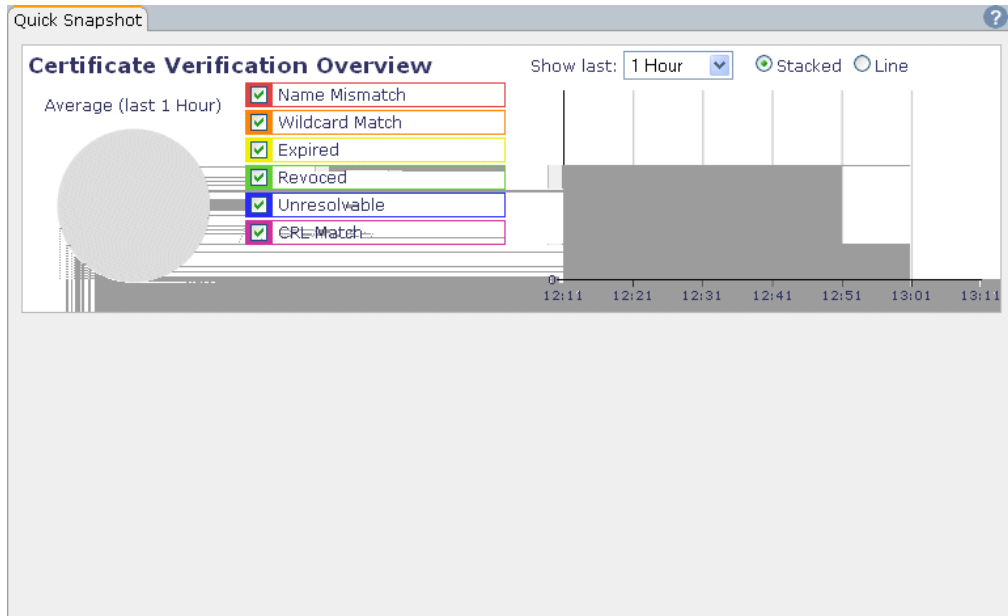
- Select stacked or line mode for display by checking the corresponding radio button:

Stacked Line

For a more detailed description of these activities, see the subsection labeled [Handling the Dashboard](#) in [2.2](#)

4.2.1 Quick Snapshot

The *Quick Snapshot* tab looks like this:



There is one section on this tab:

- *Certificate Verification Overview*

It is described in the following.

Certificate Verification Overview

The *Certificate Verification Overview* section displays the number of times Webwasher has completed a verification process for a certificate.

The result of the process may be a blocking or an another action that has previously been configured.

Values are shown for the following categories of results in a verification process:

- *Name Mismatch*

The name given to a host in a certificate does not match the host name that is provided by the URL.

- *Wildcard Match*

A wildcard name has been used in a certificate for a host, which matches the host name provided by the URL.

Whenever a verification process is passed by a certificate in this way, an action will be executed by Webwasher. This could also be an *Allow*.

- *Expired*

The certificate has expired.

- *Revoked*

The certificate has been revoked by the authority that issued it.

- *Unresolvable*

The status of a certificate could not be resolved.

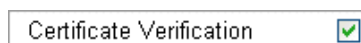
- *CRL Match*

The certificate was found on a CRL (Certificate Revocation List).

4.3

Certificate Verification

The *Certificate Verification* options are invoked by clicking on the corresponding button under *SSL Scanner*:



If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

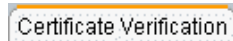
These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Certificate Verification* button:



A screenshot showing a 'Policy:' dropdown menu with 'default' selected. Below it is a 'Certificate Verification' checkbox that is checked with a green checkmark.

The options are arranged under the following tab:



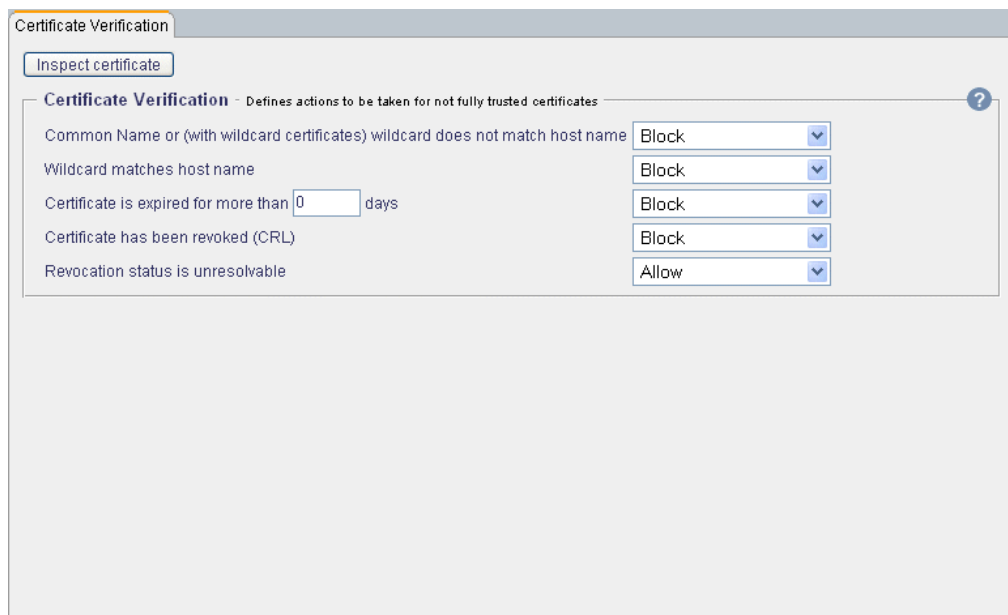
A screenshot of a tab labeled 'Certificate Verification'.

They are described in the upcoming section:

- *Certificate Verification*, see [4.3.1](#)

4.3.1 Certificate Verification

The *Certificate Verification* tab looks like this:



A screenshot of the 'Certificate Verification' tab. At the top is an 'Inspect certificate' button. Below it is a section titled 'Certificate Verification - Defines actions to be taken for not fully trusted certificates' with a help icon. This section contains five rows, each with a label and a dropdown menu:

Condition	Action
Common Name or (with wildcard certificates) wildcard does not match host name	Block
Wildcard matches host name	Block
Certificate is expired for more than 0 days	Block
Certificate has been revoked (CRL)	Block
Revocation status is unresolvable	Allow

At the top of this tab, there is the following button:



A screenshot of the 'Inspect certificate' button.

Click on this button to inspect the certificate of a particular host. This will open a window, where you can specify the host and retrieve the certificate.

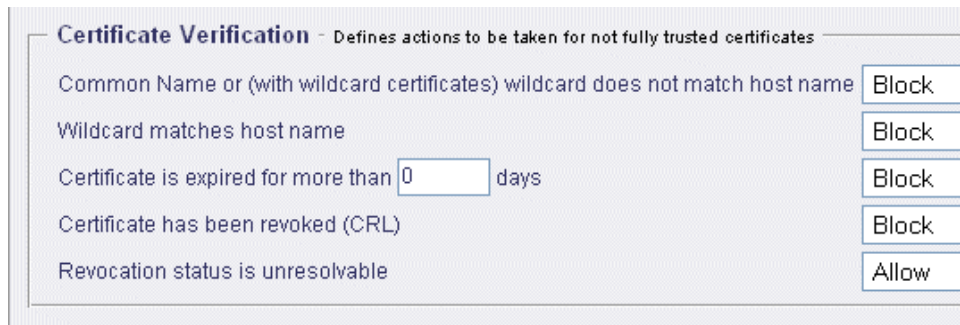
Furthermore, there is this section on the tab:

- [Certificate Verification](#)

It is described in the following.

Certificate Verification

The [Certificate Verification](#) section looks like this:



The screenshot shows a configuration window titled "Certificate Verification" with the subtitle "Defines actions to be taken for not fully trusted certificates". It contains five rows of settings, each with a text label and a corresponding action button:

Condition	Action
Common Name or (with wildcard certificates) wildcard does not match host name	Block
Wildcard matches host name	Block
Certificate is expired for more than <input type="text" value="0"/> days	Block
Certificate has been revoked (CRL)	Block
Revocation status is unresolvable	Allow

Using this section, you can configure actions for particular verification tests.

After specifying the appropriate settings, click on [Apply Changes](#) to make them effective.

Verification tests can be configured and performed according to the following criteria:

-

If the Common Name in a certificate is, e. g. [abcde.com](#), but the Web server's URL is in fact [www.abcde.com](#), no match is achieved.

- *Wildcard matches host name*

Compares the wildcard used in a certificate to represent a Common Name to the host name. So, e. g. the wildcard expression [*.ccc.de](#) matches [www.ccc.de](#).

If a match is achieved, the configured action will be executed.

- *Certificate is expired for more than ... days*

Checks if a certificate has expired. If more than the number of days configured here have elapsed since expiration of the certificate, the configured action will be executed. A grace period may allow the use of the certificate even after it has expired.

Enter the desired number of days in the input field provided with this option.

- *Certificate is revoked*

Checks if a certificate has been revoked. For this purpose, the Certificate Revocation List (CRL) is used. If the certificate has been revoked, the configured action will be executed.

- *Revocation status is unresolvable*

The reason why the revocation status is unresolvable could be that the corresponding certificate authority or the path leading to the Certificate Revocation List (CRL) is not known.

4.4

Scan Encrypted Traffic

The *Scan Encrypted Traffic* options are invoked by clicking on the corresponding button under *SSL Scanner*:

Scan Encrypted Traffic	<input checked="" type="checkbox"/>
------------------------	-------------------------------------

If you want to enable any of these options, make sure the checkbox on this button is also marked. The checkbox is marked by default.

After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Certificate Verification* button:

Policy:
 default ▼
 Certificate Verification

The options are arranged under the following tab:

Scan Encrypted Traffic

They are described in the upcoming section:

- *Scan Encrypted Traffic*, see [4.4.1](#)

4.4.1 Scan Encrypted Traffic

The *Scan Encrypted Traffic* tab looks like this:

Scan Encrypted Traffic

Tunneling by Category - Allows to tunnel hosts by category

Define for which categories sessions should be tunneled

Banking/Finances ▼
 Please select / Delete category ▼
 Please select / Delete category ▼

Define tunneling behaviour:

Verify certificate only
 Bypass SSL Scanner

Client Certificate Handling - Defines what should happen if server asks for client certificate

Verify server certificate and use → **Client Certificates** to decrypt session
 Verify server certificate, but do not decrypt session
 Block session

Decryption Warning - Displays decryption notification for each host

Executed action: None ▼

Some update servers for applications, e. g. the server used for Windows updates, require special treatment with regard to the SSL Scanner. For further information, see the FAQs under → <https://support.webwasher.com/faq> and search for entry ID 1532.

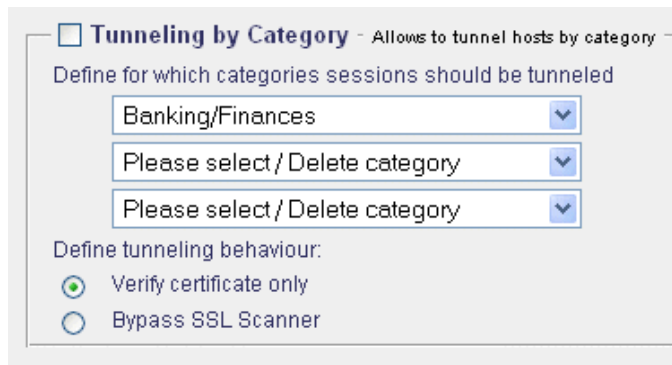
There are three sections on this tab:

- *Tunneling by Category*
- *Client Certificate Handling*
- *Decryption Warning*

They are described in the upcoming sections.

Tunneling by Category

The *Tunneling by Category* section looks like this:



The screenshot shows a configuration window titled "Tunneling by Category - Allows to tunnel hosts by category". It contains a checkbox that is currently unchecked. Below the checkbox is the text "Define for which categories sessions should be tunneled". There are three dropdown menus: the first is set to "Banking/Finances", and the other two are set to "Please select / Delete category". Below these is the text "Define tunneling behaviour:" followed by two radio buttons: "Verify certificate only" (which is selected) and "Bypass SSL Scanner".

Using this section, you can configure tunneling for particular URL filtering categories. You can configure up to three categories for tunneling. These may pre-defined or user-defined categories.

If you want to use additional categories, you need to enter them in the *<policy>.ini* configuration file, which is located in the *conf* folder of the Webwasher program files.

This tunneling option is not enabled by default. If you want to enable it, mark the checkbox next to the section heading.

After specifying the appropriate information, click on *Apply Changes* to make your settings effective.

Use the items in the following areas to configure tunneling by category:

- *Define for which categories sessions should be tunneled*

Select up to three categories from the drop-down lists provided here. Categories may be selected from pre-defined or user-defined categories.

To delete a category, click on the *Please select / Delete category* list item in the corresponding drop-down list.

- *Define tunneling behavior*

To determine what tunneling should mean for the selected categories, enable one of these options:

- *Verify certificate only*

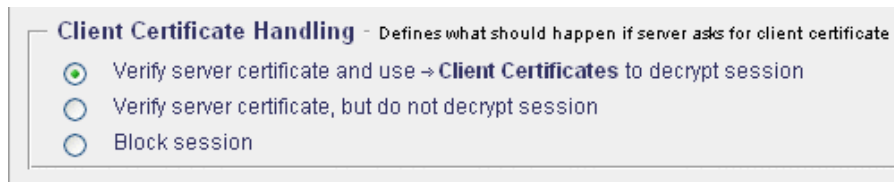
The certificate belonging to the requested URL is checked by a verification procedure, but no other activities are performed by the SSL Scanner.

— *Bypass SSL Scanner*

The SSL Scanner is bypassed completely, i. e. no activities whatsoever are performed.

Client Certificate Handling

The *Client Certificate Handling* section looks like this:



Using this section, you can configure what should happen if the server that is requested by a client asks for a client certificate.

Using this section, you can configure tunneling for particular URL filtering categories. You can configure up to three categories for tunneling. These may be pre-defined or user-defined categories.

If you want to use additional categories, you need to enter them in the *global.ini* configuration file, which is located in the *conf* folder of the Web-washer program files.

This tunneling option is not enabled by default. If you want to enable it, mark the checkbox next to the section heading.

After specifying the appropriate information, click on *Apply Changes* to make your settings effective.

Use the following radio buttons to configure the handling of client certificates:

- *Verify server certificate and use client certificates to decrypt session*

Enable this option to have both the server and the client certificate, i. e. the certificate the client was requested to submit by the server, checked by the verification process.

The certificate list is searched for the client certificate in order to authenticate the client. If the search has been successful, the session will be allowed and the communication decrypted. If no appropriate client certificate is found, the request will be denied.

Clicking on the *Client Certificates* link provided with this option, takes you to the *Client Certificate* tab, where you can add more certificates to this list.

- *Verify server certificate, but do not decrypt session*

Enable this option, to have the server certificate checked by the verification process.

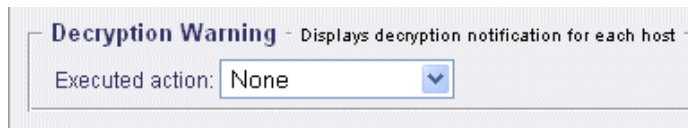
If this is passed successfully, the corresponding session is tunneled and allowed.

- *Block Session*

Enable this option to forbid access to the server.

Decryption Warning

The *Decryption Warning* section looks like this:



Using this section, you can configure a decryption warning for HTTPS traffic. It is inserted whenever a request to a domain (without a path) is made that involves this kind of traffic.

The warning includes a button to click on in case you want to proceed and view the requested page.

After specifying the appropriate information, click on *Apply Changes* to make this setting effective.

Use the following drop-down list to configure a decryption warning:

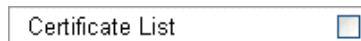
- *Executed action*

Select *Warning Decryption* to configure the warning. Select *None* to have no warning.

4.5

Certificate List

The *Certificate List* options are invoked by clicking on the corresponding button under *SSL Scanner*:

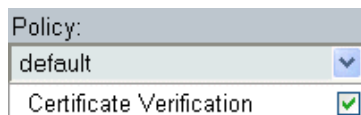


If you want to enable any of these options, mark the checkbox that is on this button.

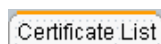
Then click on *Apply Changes* to make this setting effective.

These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Certificate Verification* button:



The options are arranged under the following tab:

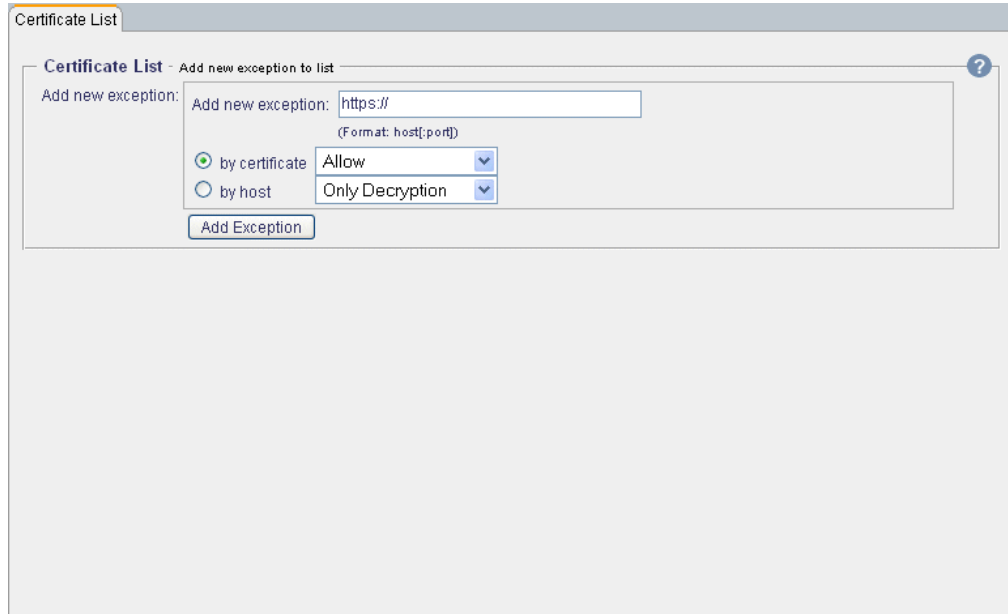


They are described in the upcoming section:

- *Certificate List*, see [4.5.1](#)

4.5.1 Certificate List

The *Certificate List* tab looks like this:



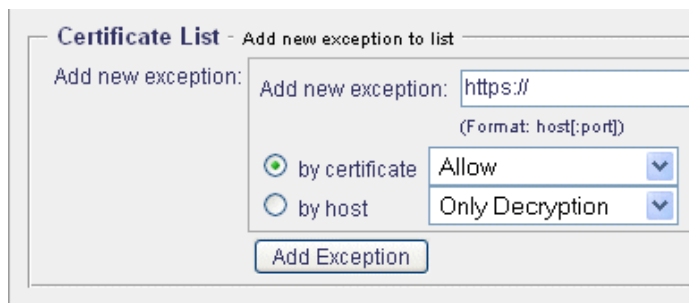
There is one section on this tab:

- *Certificate List*

It is described in the following.

Certificate List

The *Certificate List* section looks like this:



Using this section, you can add new exceptions to the list of certificates. You can also configure actions for an exception relating to the certificate or host in question.

To add an exception to the list, use the area labeled:

- *Add new exception*

In the input field provided here, enter the exception you want to add to the certificate list.

https:// has been entered in this field as default information at the beginning of an exception name. The input format for its remaining parts is:

host [:port]

Furthermore, configure the following methods for a new exception:

- *by certificate*

Enabling the *by certificate* method means that the certificate issued for the host you are adding as an exception is checked by the verification process.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the following table:

	<i>by certificate</i>	<i>by host</i>
<i>Allow</i>	The exception is allowed.	<i>not available</i>
<i>Block</i>	The exception is blocked.	The exception is blocked.
<i>Tunnel</i>	The activities of the SSL Scanner are bypassed and no verification process is executed.	The activities of the SSL Scanner are bypassed and no verification process is executed.
<i>Warn Incident</i>	The exception is allowed, but a warning is displayed.	<i>not available</i>
<i>Only Cert Checking</i>	<i>not available</i>	The content provided by the host you are adding as an exception is not decrypted, and the exception is allowed. <i>Note:</i> In this case, the certificate will be checked.
<i>Only Decryption</i>	<i>not available</i>	The content provided by the host you are adding as an exception is decrypted, and the exception is allowed.

— *by host*

Enabling the *by host* method means that the host is checked without a certificate being included in the verification process. If the latter method is chosen, shell expressions, e. g. **.webwasher.com*, may be used to specify an exception.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the description of the *by certificate* method above.

— *Add exception*

After specifying the appropriate settings, click on this button to add an exception to the list.

Enabling the *by host* method means that the host is checked without a certificate being included in the verification process. If the latter method is chosen, shell expressions, e. g. **.webwasher.com*, may be used to specify an exception.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the description of the *by certificate* method above.

A message will then be displayed, stating if the exception has been added successfully and providing information on the result of the verification process.

If the by certificate method has been configured, you are informed whether the certificate in question was issued by a trusted or not-trusted certification authority (CA) from the corresponding list.

If the CA could not be found on this list, the certificate is implicitly forbidden.

If the inspection of a certificate results in an error or open issue, the depth of the certificate is also stated in the corresponding error message. By depth is meant the position the certificate takes within the certificate chain.

So, e. g. *depth = 0* means the certificate has been issued immediately for the software in question, as is the case with self-signed certificates, *depth = 1* is for a certificate issued to certify a *depth 0* certificate and so on.

The newly added exception will be shown in a list displayed below.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

You can also edit this list, by specifying the appropriate settings for a given entry. After doing this, click on *Apply Changes* to make these settings effective.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

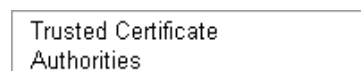
Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

4.6

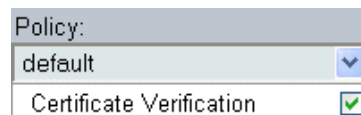
Trusted Certificate Authorities

The *Trusted Certificate Authorities* options are invoked by clicking on the corresponding button under *SSL Scanner*:



These are policy-dependent options, i. e. they are configured for a particular policy. When you are configuring these options, you need to specify this policy.

To do this, select a policy from the drop-down list labeled *Policy*, which is located above the *Certificate Verification* button:



The options are arranged under the following tab:



They are described in the upcoming section:

- *Trusted Certificate Authorities*, see [4.6.1](#)

4.6.1 Trusted Certificate Authorities

The *Trusted Certificate Authorities* tab looks like this:



At the top of this tab, there is the *Known Certificate Authorities* link.

A click on this link will take you to the tab with the same name, where you can add Certificate Authorities to the list or delete them.

Furthermore, there are two sections on this tab:

- *Certificate Authorities*
- *Trusted Certificate Authorities*

They are described in the following.

Certificate Authorities

The *Certificate Authorities* section looks like this:



Using this section, you can configure actions for content with certificates issued by known Certificate Authorities (CAs) that are either trusted or untrusted, as well as for unknown Certificate Authorities.

A vendor, having signed content by issuing a certificate, may request a CA to issue a certificate to sign this vendor certificate. This CA may itself have been signed by another CA, issuing certificates on a higher level. Together, these certificates form a certificate chain, which is inspected in a verification process. The CA that signed a certificate located on a lower level of the certificate chain is also called the root CA.

The verification process begins by checking the CA that immediately signed the vendor certificate. It may be known, i. e., be included in the list of known CAs. If the CA is unknown, the verification process checks the CA on the next level and goes on to do so, until a known CA is found, or all CAs in the certificate chain have proven to be unknown. Usually, there are no more than three levels to a certificate chain.

The first known CA to be found in the verification process is then checked as to whether it is trusted or untrusted. To be trusted, a CA must be included in the list of trusted CAs.

The list of trusted CAs is configured in the [Trusted Certificate Authorities](#) section, which is also provided on this tab.

To edit the list of known CAs, use the [Known Certificate Authorities](#) link, which is located at the top of this tab, to go to the tab provided for this purpose.

When configuring actions for trusted CAs, remember that you have to select actions that include a [Log Incident](#) part, e. g. [Block & Log Incident](#), if you want to have incidents related to these CAs listed by the incident manager.

After specifying the appropriate settings here, click on [Apply Changes](#) to make them effective.

Use the drop-down lists provided here to configure actions for the following situations:

- [First known CA is trusted](#)

Select an action here that should be taken if the first known CA is trusted.

- [First known CA is untrusted](#)

Select an action here that should be taken if the first known CA is untrusted.

- [Only unknow CAs found](#)

Select an action here that should be taken if only unknown CAs have been found.

Trusted Certificate Authorities

The *Trusted Certificate Authorities* section looks like this:

The screenshot shows a web interface titled "Trusted Certificate Authorities - Add a CA to your list". At the top, there is a "Select CA:" label followed by a text input field containing "ABA,ECOM, INC.". Below the input field is a note: "(Note: If the drop down box is empty, all known CAs are already in this list)". Underneath the note are three buttons: "Trust", "Do not trust", and "Add to all policies". Below these buttons, it says "Found 2 entries with '*'". There is a "Select" dropdown menu currently showing "Certificate Authority". Below that is a "Filter:" label and an empty text input field. A list of two entries follows, each with a checkbox: "Belgacom" and "C&W HKT SecureNet CA Class A". At the bottom of the list are two buttons: "Select All" and "Delete Selected".

This section provides the list of Trusted Certificate Authorities (CAs). Also provided is a list of known CAs, from which you can select CAs to include them in the list of trusted CAs. When including a CA in this list, you can configure it as trusted or not trusted.

If a CA has been included in the list of trusted CAs as not trusted, certificates issued by it will be explicitly forbidden, i. e. will also not be trusted. This is indicated in status messages referring to a certificate.

If a CA is not included in the list at all, certificates issued by it may be implicitly forbidden, which is also indicated in status messages.

Note that besides this list, which is configured only for a particular policy, there is also the list of Global Trusted Certificate Authorities. If a CA does not appear in the list of trusted CAs configured here, the settings configured for the global list will apply.

To select a CA from the list of known CAs and add it to the list of trusted CAs, use the area labeled:

- *Select CA*

Select the CA you want to add to the list of trusted CAs from the drop-down list provided here.

If this list is empty, it means that all known CAs have been included in the list of trusted CAs, either as trusted or not trusted.

The addition of a CA here will be valid only under the policy you are currently configuring.

To make the addition valid for all policies, mark the checkbox labeled *Add to all policies* before proceeding any further.

Then click on either of these two buttons, according to whether you want to add the CA as trusted or not trusted:

— *Trust*

Click on this button to add a CA to the list as trusted.

— *Do not trust*

Click on this button to add a CA to the list as not trusted.

The list of trusted CAs is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Certificate Authority* column heading.

To change the status of CA from trusted to not trusted or the other way round, mark or clear the *Trusted* checkbox in the same line.

Then click on *Apply Changes* to make this setting effective. You can edit more than one list entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

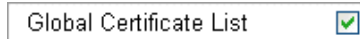
Select the list entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

4.7

Global Certificate List

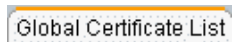
The *Global Certificate List* options are invoked by clicking on the corresponding button under *SSL Scanner*:



If you want to enable any of these options, make sure the checkbox on this button is marked. The checkbox is marked by default.

After modifying the setting of this checkbox, click on *Apply Changes* to make the modification effective.

The options are arranged under the following tab:



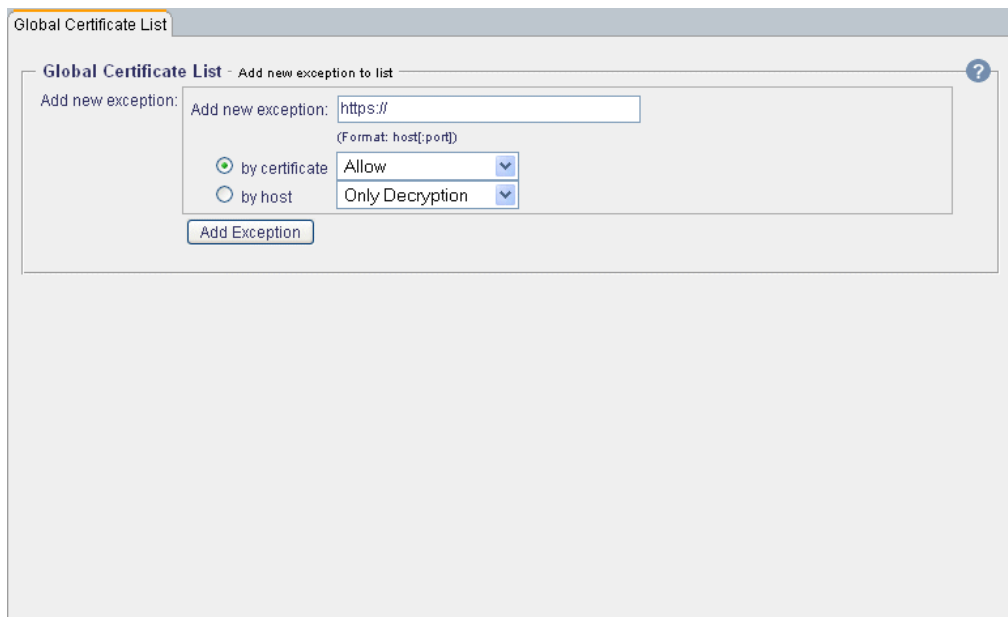
They are described in the upcoming section:

- *Global Certificate List*, see [4.7.1](#)

4.7.1

Global Certificate List

The *Global Certificate List* tab looks like this:



There is one section on this tab:

- *Global Certificate List*

It is described in the following.

Global Certificate List

The *Global Certificate List* section looks like this:

Using this section, you can add new exceptions to the global list of certificates, i. e. to the list that is valid for all policies configured under Webwasher.

You can also configure actions for an exception relating to the certificate or host in question.

To add an exception to the list, use the area labeled:

- *Add new exception*

In the input field provided here, enter the exception you want to add to the global certificate list.

https:// has been entered in this field as default information at the beginning of an exception name. The input format for its remaining parts is:

host [:port]

Furthermore, configure the following methods for a new exception:

- *by certificate*

Enabling the *by certificate* method means that the certificate issued for the host you are adding as an exception is checked by the verification process.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the following table:

	<i>by certificate</i>	<i>by host</i>
<i>Allow</i>	The exception is allowed.	<i>not available</i>
<i>Block</i>	The exception is blocked.	The exception is blocked.
<i>Tunnel</i>	The activities of the SSL Scanner are bypassed and no verification process is executed.	The activities of the SSL Scanner are bypassed and no verification process is executed.
<i>Warn Incident</i>	The exception is allowed, but a warning is displayed.	<i>not available</i>
<i>Only Cert Checking</i>	<i>not available</i>	The content provided by the host you are adding as an exception is not decrypted, and the exception is allowed. <i>Note:</i> In this case, the certificate will be checked.
<i>Only Decryption</i>	<i>not available</i>	The content provided by the host you are adding as an exception is decrypted, and the exception is allowed.

— *by host*

Enabling the *by host* method means that the host is checked without a certificate being included in the verification process. If the latter method is chosen, shell expressions, e. g. **.webwasher.com*, may be used to specify an exception.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the description of the *by certificate* method above.

— *Add exception*

After specifying the appropriate settings, click on this button to add an exception to the list.

Enabling the *by host* method means that the host is checked without a certificate being included in the verification process. If the latter method is chosen, shell expressions, e. g. **.webwasher.com*, may be used to specify an exception.

After enabling this method, select an action from the drop-down list provided here.

For the meaning of these actions, see the description of the *by certificate* method above.

A message will then be displayed, stating if the exception has been added successfully and providing information on the result of the verification process.

If the by certificate method has been configured, you are informed whether the certificate in question was issued by a trusted or not-trusted certification authority (CA) from the corresponding list.

If the CA could not be found on this list, the certificate is implicitly forbidden.

If the inspection of a certificate results in an error or open issue, the depth of the certificate is also stated in the corresponding error message. By depth is meant the position the certificate takes within the certificate chain.

So, e. g. *depth = 0* means the certificate has been issued immediately for the software in question, as is the case with self-signed certificates, *depth = 1* is for a certificate issued to certify a *depth 0* certificate and so on.

The newly added exception will be shown in a list displayed below.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

You can also edit this list, by specifying the appropriate settings for a given entry. After doing this, click on *Apply Changes* to make these settings effective.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

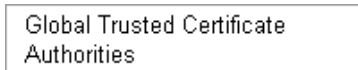
Select the entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.

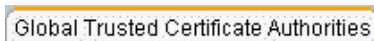
4.8

Global Trusted Certificate Authorities

The *Global Trusted Certificate Authorities* options are invoked by clicking on the corresponding button under *SSL Scanner*:



The options are arranged under the following tab:



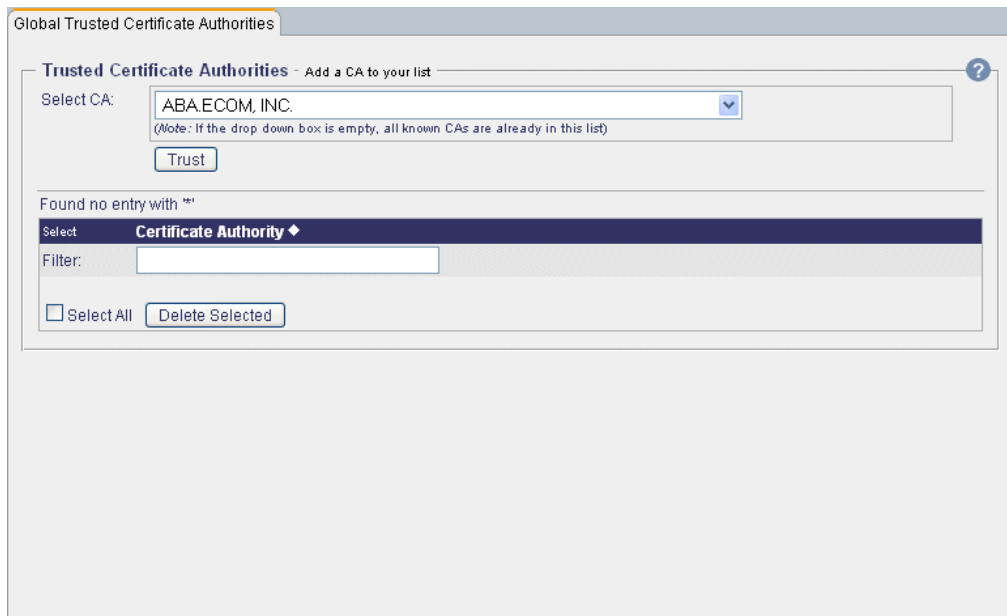
They are described in the upcoming section:

- *Global Trusted Certificate Authorities*, see [4.8.1](#)

4.8.1

Global Trusted Certificate Authorities

The *Global Trusted Certificate Authorities* tab looks like this:



There is one section on this tab:

- *Trusted Certificate Authorities*

It is described in the following.

Trusted Certificate Authorities

The *Trusted Certificate Authorities* section looks like this:

This section provides the global list of Trusted Certificate Authorities (CAs), i. e. the list that is valid for all policies configured under Webwasher.

If a CA is also in a policy-dependent list, the settings configured for this list will prevail.

Also provided is a list of known CAs, from which you can select CAs to include them in the list of trusted CAs.

To select a CA from the list of known CAs and add it to the list of trusted CAs, use the area labeled:

- *Select CA*

Select the CA you want to add to the list of trusted CAs from the drop-down list provided here.

If this list is empty, it means that all known CAs have been included in the list of trusted CAs.

To add the CA you select, use the following button:

— *Trust*

Click on this button to add a CA to the list as trusted.

The list of trusted CAs is displayed at the bottom of this section.

To display only a particular number of list entries at a time, type this number in the input field labeled *Number of entries per page* and enter it using the *Enter* key of your keyboard.

If the number of entries is higher than this number, the remaining entries are shown on successive pages. A page indicator is then displayed, where you can select a particular page by clicking on the appropriate arrow symbols.

To sort the list in ascending or descending order, click on the symbol next to the *Certificate Authority* column heading.

To change the status of CA from trusted to not trusted or the other way round, mark or clear the *Trusted* checkbox in the same line.

Then click on *Apply Changes* to make this setting effective. You can edit more than one list entry and make the changes effective in one go.

Use the following items to perform other activities relating to the list:

- *Filter*

Type a filter expression in this input field and enter it using the *Enter* key of your keyboard. The list will then display only entries matching the filter.

- *Delete Selected*

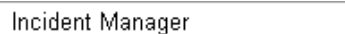
Select the list entry you wish to delete by marking the *Select* checkbox next to it and click on this button. You can delete more than one entry in one go.

To delete all entries, mark the *Select all* checkbox and click on this button.


4.9

Incident Manager

The *Incident Manager* options are invoked by clicking on the corresponding button under *SSL Scanner*:



The options are arranged under the following tab:

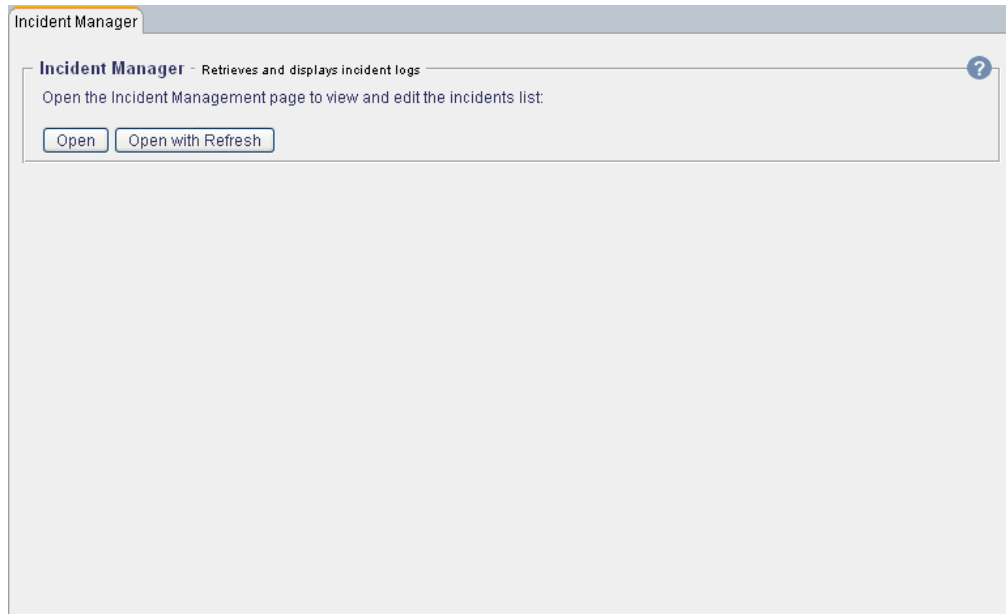


They are described in the upcoming section:

- *Incident Manager*, see [4.9.1](#)

4.9.1 Incident Manager

The *Incident Manager* tab looks like this:



There is one section on this tab:

- *Incident Manager*

It is described in the following.

Incident Manager

The *Incident Manager* section looks like this:



Using this section, you can inspect and manage incidents relating to SSL-encrypted communication.

The Incident Manager enables you to retrieve *incident.dat* files from Webwasher instances. It synchronizes and displays them, adding hosts or certificates to the policy-dependent or independent (global) certificate list.

Note that an *incident.dat* file will only be written if you have configured an *Allow & Log Incident* or *Block & Log Incident* action or a user defined action that leads to writing a log file.

You can view and edit the incidents list on the *Incident Management* page. It is opened with or without a refresh by clicking on one of the following buttons:

or:

For a description of this page, see the next section.

Incident Management

Using the *Incident Management* page, you can inspect SSL incidents and add them either to the policy-dependent or independent (global) certificate list.

On this page, a table is provided listing all incidents that occurred after the last refresh of this list was performed. All of them have not yet been processed.

Host	C	E	S	R	Policy	Action
Filter: [] Clear Filter Found no entry out of 0 with ""						

To perform a refresh, click on the *Refresh Incident List* button, which is located above the left side of the table:

This will process the stored incidents and add them to the list.

If Webwasher is running in a cluster, a refresh will lead to a synchronization with the subscribed sites. Depending on the sites load, the refresh may take a moment.

The list will be cross-checked with the policy-dependent and independent certificate lists to avoid multiple entries.

A list entry consists of the following fields:

- *Host* - URL that caused the incident.

Incidents can be added to the certificate lists either *by host* or *by certificate*, as is shown in the fields used for configuring the policy-dependent and independent certificate lists. If *by host* was selected, the input shown here under *Host* becomes available.

A wildcard may be used to include a range of URLs, e. g.
**.webwasher.com*.

- *C (short for Common Name)* - If an incident was caused by a Common Name mismatch, it is indicated here by a red lamp symbol. Otherwise there will be a green lamp symbol.
- *E (short for Expired)* - If a certificate has expired, this incident is indicated here by a red lamp symbol.
- *S (short for Self-signed)* - If an incident was caused by a self-signed certificate, it is indicated here by a red lamp symbol.
- *R (short for Root Certificate Authority)* - If an incident was caused by a failure during validation of the root certificate authority, it is indicated here.
- *Policy* - Policy belonging to the certificate list this incident is going to be added to.
- *Action* - Action configured for the policy and host/certificate that will apply when the incident is added to a certificate list.

The list is sortable by *Host* and the *C(ommon Name)*, *E(xpired)*, *S(elf-signed)* and *R(oot Certificate Authority)* failure attributes.

Note: An incident that occurred for two or more different reasons, cannot be added *by certificate*.

Whenever a certificate is added this way, errors that were caused by the certificate are ignored. Different reasons may occur, however, when a certificate is inspected with regard to different policies.

If errors cannot be determined unambiguously, as is the case when there are two or more reasons for an incident, the *by certificate* method cannot be applied. Incidents can then only be added *by host*.

You can select several incidents from the list and add or delete them in one go by clicking on the *Add* or the *Delete* button. If you wish to process an entry separately, use the *Add* and *Delete* buttons in the same line.

If an incident was deleted from the list, it will not be ignored in the future, but be generated again should it occur.

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