

NETASQ EVENT ANALYZER

V. 1.0

WEB PORTAL USER GUIDE

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NG1000, NG5000

VS5, VS10, V50, V100, V200, V500, VU.

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FOREWORD

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This manual has undergone several revisions to ensure that the information in it is as accurate as possible. The descriptions and procedures herein are correct where NETASQ firewalls are concerned. NETASQ rejects all liability directly or indirectly caused by errors or omissions in the manual as well as for inconsistencies between the product and the manual.

Notice



WEEE Directive

All NETASQ products that are subject to the WEEE directive will be marked with the mandated "crossed-out wheeled bin" symbol (as shown above) for items shipped on or after August 13, 2005. This symbol means that the product meets the requirements laid down by the WEEE directive with regards to the destruction and reuse of waste electrical and electronic equipment.

For further details, please refer to NETASQ's website at this address:
<http://www.netasq.com/recycling.html>

INTRODUCTION

1.1 WHO SHOULD READ THIS?

This manual is intended for either system administrators or network and security administrators. The basic technical knowledge required depends on the audience.

The system administrators should know the NEA product configuration and its specific features:

- Task scheduling
- Database maintenance

Network and security administrators should have basic knowledge of NETASQ UTM products and especially regarding:

- Threat management:antivirus, antispam and vulnerabilities
- Firewalling: filter rules and IP services
- Intrusion prevention system
- Content filtering
- SSL VPN

1.2 TYPOGRAPHICAL CONVENTIONS

1.2.1 Abbreviations

For the sake of clarity, the usual abbreviations have been kept. For example, **RSS** (*Really Simple Syndication*). Other acronyms will be defined in the Glossary.

1.2.2 Display

Names of windows, menus, sub-menus, buttons and options in the application will be represented in the following fonts:

Example

Menu **Interfaces**

1.2.3 Indications

Indications in this manual provide important information and are intended to attract your attention. Among these, you will find:



NOTE/REMARKS

These messages provide a more detailed explanation on a particular point.

 **WARNING/RECOMMENDATION**

These messages warn you about the risks involved in performing a certain manipulation or about how not to use your appliance.

 **TIP**

This message gives you ingenious ideas on using the options on your product.

 **DEFINITION**

Describes technical terms relating to NETASQ or networking. These terms will also be covered in the glossary.

1.2.4 Messages

Messages that appear in the application are indicated in double quotes.

Example

"Delete this entry?"

1.2.5 Examples

Example

This allows you to have an example of a procedure explained earlier.

1.2.6 Command lines

Command lines

Indicates a command line (for example, an entry in the DOS command window).

1.2.7 Reminders

Reminders are indicated as follows:

 Reminder.

1.2.8 Access to features

Access paths to features are indicated as follows:

 Access the menu **File\Firewall**.

1.3 GETTING HELP

To obtain help regarding your product and the different applications in it:

- website: www.netasq.com. Your secure-access area allows you to access a wide range of documentation and other information.
- user manuals: NETASQ UNIFIED MANAGER, NETASQ REAL-TIME MONITOR and NETASQ EVENT REPORTER.

1.4 TECHNICAL ASSISTANCE CENTER

NETASQ provides several means and tools for resolving technical problems on your firewall.

- A knowledge base.
- A certified distribution network. As such, you will be able to call on your distributor.
- Documents: these can be accessed from your client or partner area. You will need a client account in order to access these documents.

For further information regarding technical assistance, please refer to the document "Standard NETASQ support".

1.5 GETTING FAMILIAR WITH THE WEB PORTAL

The NETASQ Event Analyzer web portal provides services to allow end users to:

- Access generated reports
- Customize their own report parameters
- Schedule tasks
- Customize the web portal
- Check database processes

1.5.1 Connection

Users can connect to the NETASQ Event Analyzer Web Portal installed on a server machine, inside or outside your organization's network. All you need is a web browser. If you wish to run items such as Cubes, you will be prompted to install the Microsoft Office 2003 Web Components on your local computer.



NOTE/REMARKS

The cube technology allows an end user to perform thorough analyses of the logs that NETASQ devices have sent.

The following browsers are supported:

- Internet Explorer version 7 or greater,
- Google Chrome and Mozilla Firefox (except for the cubes)

The services that the NETASQ Event Analyzer web portal provides depend on the user name used to log into the application. User profiles are defined by the System Administrator via the NETASQ Event Analyzer Administration Manager tool.

1.5.2 General overview

The NETASQ Event Analyzer web portal provides some menus to access specific features directly. Once login is successful, the web portal menu will be displayed on the right side of the page.



The table below shows the association between the interface menu items and their contents:

Web server configuration	3 WEB PORTAL CONFIGURATION
Menus	4 RUNNING MENU ITEMS
Scheduled tasks & Tasks	5 TASK SCHEDULING
Web Part Configuration	6 WEB PARTS MANAGEMENT
Content Builder	7 CONTENT BUILDER
Web Server Administration	8 WEB SERVER ADMINISTRATION


1.5.3 Modifying the size of the menu panel

It is easy to widen or narrow the left menu panel according to your preference:

- Increase the size of the right panel to display a report or a cube
- Increase the size of the left panel to view a URL or a report name

➡ To modify the size of the menu panel you need to be logged in.



From anywhere in the web portal, move the separator  according to your preference:

- **To make the left panel Menu narrower:** click on the separator and drag it to the left.
- **To make the left panel Menu wider:** select the separator and drag it to the right.
- **To hide the left panel Menu:** double-click on the separator.
- **To show the left panel Menu:** double-click on the separator.

2 WEB PORTAL LOGIN

2.1 USER PROFILES

Logging into the web portal allows end users to access the features NETASQ Event Analyzer offers according to their profiles.

NETASQ Event Analyzer provides 4 different user names:

- Admin is intended for managing the web portal and the solution
- Analyzer is intended for performing forensic analyses on the stored logs
- Viewer allows viewing the generated reports and customizing some reports
- AdminDB is used for checking the database process status

The table below displays the services each login is allowed to access:

Services	User Admin	User Analyzer	User Viewer	User AdminDB
Access generated report				
Report customization				
Log forensic analysis				
Database utilities				
Task scheduling				
Web part configuration				
Content builder				
Web server administration				

2.2 WEB PORTAL ACCESS

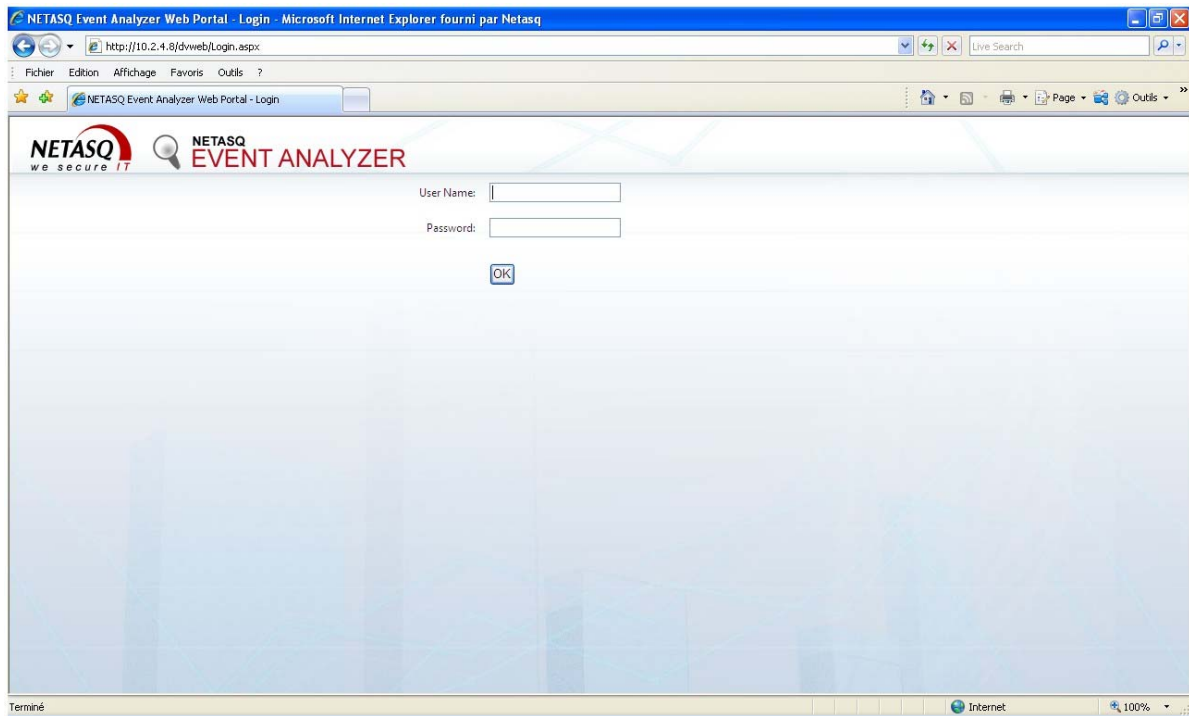
To connect to the NETASQ Event Analyzer Web Portal, please follow the steps below:

- 1 Open your Internet browser and enter the following URL http://server_name/dvweb.

NOTE

“server_name” can be the hostname, the IP Address or the domain name of the server that runs the NETASQ Event Analyzer solution.

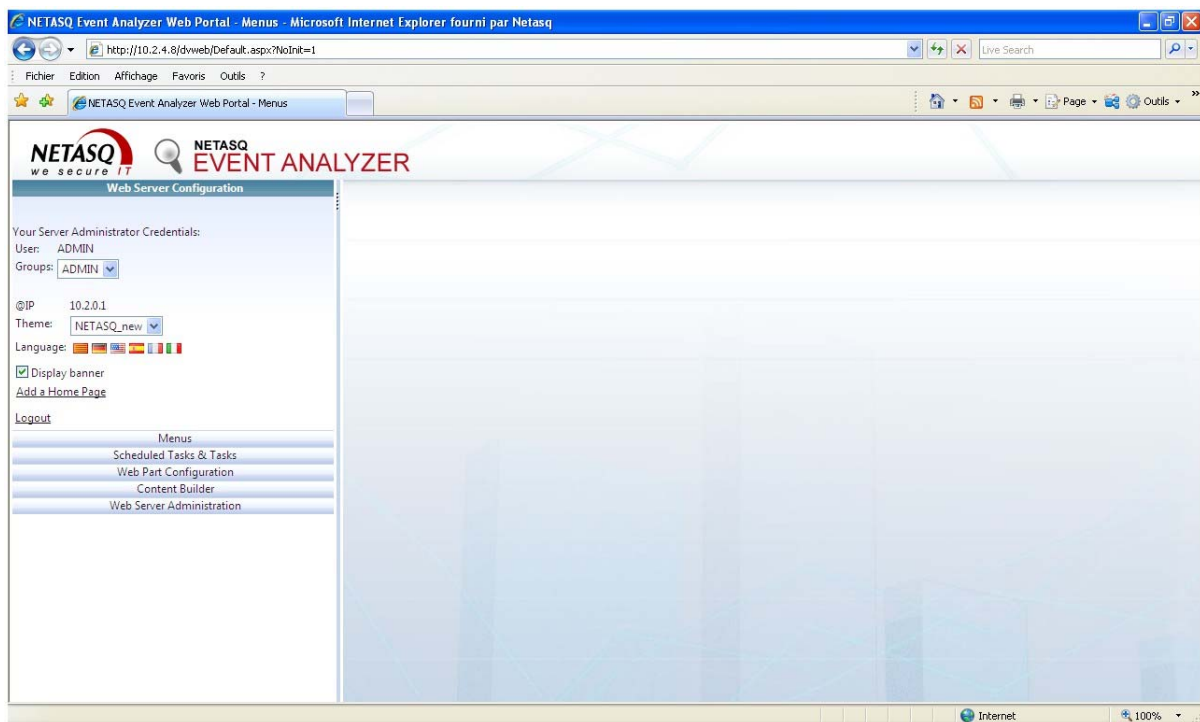
The following screen will appear:



2 Set the fields "User Name" and "Password"

3 Click on the button "OK"

If the user name and the password match an allowed login, the following screen will appear:



NOTE

The displayed "User" field and the groups it belongs to depend on the user name set in the login page.

3 WEB PORTAL CONFIGURATION

3.1 DESCRIPTION

The “Web Server Configuration” enables any user, regardless of his profile, to perform the following actions:

- Check the login credentials
- Check the connection parameters
- Modify the NETASQ Event Analyzer Web Portal’s home page.
- Log out of the application

To access the web server configuration:

- Click on the menu Web Server Configuration

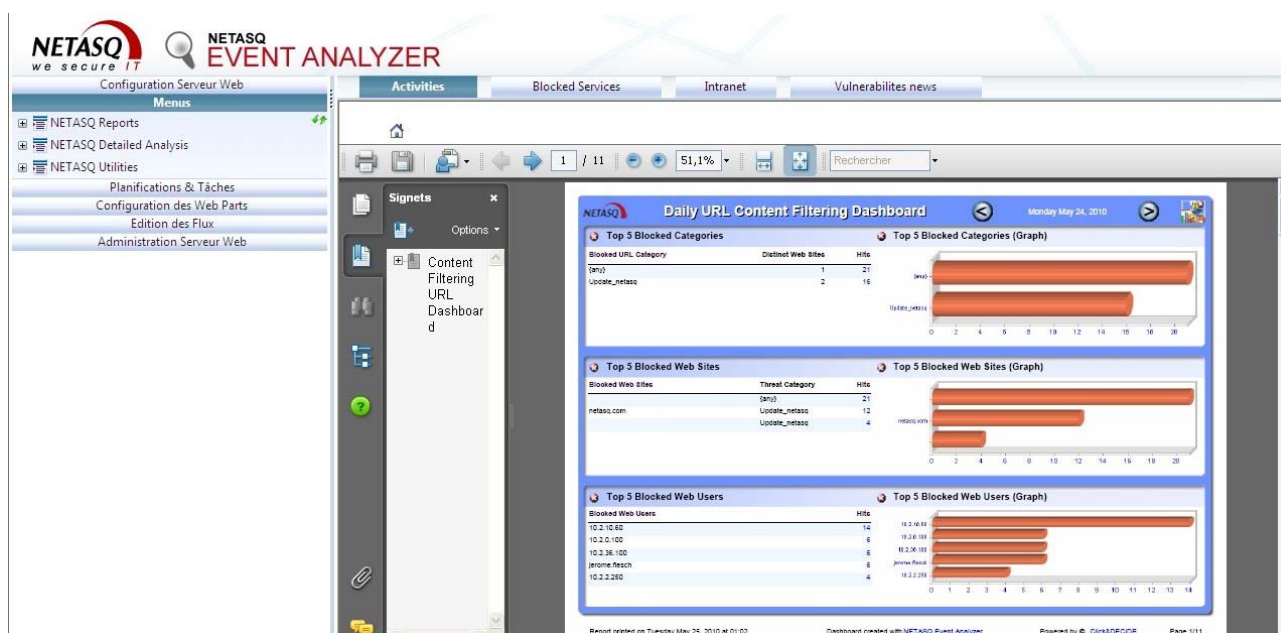
The menu Web Server Configuration will be displayed:

User	User name used to connect to the application
Groups	Groups to which the user belongs
@IP	IP Address of the NETASQ Event Analyzer server
Theme	Select the skin you want from the drop-down list. By default a single theme is available in this version of NETASQ Event Analyzer
Language	Click on the country flag for the language in which you wish the menus to be displayed. The following languages are available: Spanish, German, English, Catalan, French and Italian.

Display Banner	Select or clear this check box to show or hide the header at the top of the page.
Add a Home Page	Enables you to display a customized home page.
Logout	Enables you to log out. You will be disconnected from the server, enabling another user to login.

3.2 MANAGING THE HOME PAGE

The **Home Page** option enables end users to display a customized home page. For example, you could display the results of a report in PDF format as a new home page in the right panel. It is possible to add up to four home pages, which appear as tabs in the right panel.



3.2.1 Adding a new home page

To access the creation of a new home page:

- Click on the menu Web Server Configuration\Add a home page

The Web Server Configuration will be modified as displayed below:

Web Server Configuration

Your Server Administrator Credentials:

User: ADMIN

Groups: ADMIN ▼

@IP: 192.168.1.1

Theme: NETASQ ▼

Language:

☒ Display banner

[Add a Home Page](#)

#	Title	URL
	General information	intranet.mycompany.com
	General report	http://server name/dvweb/Displ...

[Logout](#)

Then follow the steps below to create a home page

- 1** Set the "title" field of the home page. This is the name that will be displayed in the home page tab control.
- 2** Set the "URL" field with the web page to display as the home page
- 3** Click on the button "Add" to add the home page or click on the button "Finish" to finish creating the home page

NOTE

You can add a home page using an existing web site (e.g. intranet.domainname.com) or using a report. To add a generated or a customized report the end user just has to copy and paste the report URL.

More information on copying the report URL will be available in the section [4.1.3 Working with reports](#)

IMPORTANT

In the URL copied to the clipboard, the server name is **localhost**. For a URL to work from a remote computer connected to the Web Portal Server, you need to replace **localhost** with the Server's **IP Address** or **Server Name**, followed by the port number if its value is anything other than 80.

3.2.2 Modifying a home page

To modify a home page

- Click on the menu Web Server Configuration\ Home page section

Web Server Configuration

Your Server Administrator Credentials:
 User: ADMIN
 Groups: ADMIN

@IP: 10.2.0.1
 Theme: NETASQ

Language:

☒ Display banner

[Add a Home Page](#)

#	Title	URL
	General information	intranet.mycompany.com
	General report	http://server_name/dvweb/Displ...

[Logout](#)

- Select the icon to modify. The home page management section will be updated:

#	Title
	General information

Title: General report

URL: http://server_name/dvweb/Display.aspx?_ma=NETASQ+Reports&_mi=40&_rp=Firewa2fFirewall_Daily_100704.pdf

☒ ☐

- Modify the "Title" and/or "URL" fields according to the changes to be made
- Click on the icon to save changes or on the icon to discard changes.

3.2.3 Removing a home page

To remove a home page

- Click on the menu Web Server Configuration\ Home page section

#	Title	URL
	General information	intranet.mycompany.com
	General report	http://server_name/dvweb/Displ...

- Select the icon  to remove.

The following screen will appear:



- Click on the button "OK" to validate the home page removal.

The related control tab will be removed from the home page.

3.2.4 Logging out of the Web Portal

The number of users connected will depend on the license certificate which includes a number of concurrent users. When you disconnect, another concurrent user will be able to connect in your place. Note that you will be disconnected from IIS in the server after a time out (the default time out is 10 minutes).

To log out of the NETASQ Event Analyzer web portal

- ➔ Click on the menu Web Server Configuration

Web Server Configuration

Your Server Administrator Credentials:

User: ADMIN

Groups: ADMIN ▼



@IP: [Redacted]

Theme: NETASQ ▼

Language:

☒ Display banner

[Add a Home Page](#)

#	Title	URL
	General information	intranet.mycompany.com
	General report	http://server_name/dvweb/Displ...

[Logout](#)

- 1 Click on the link "Logout".

You will be redirected to the NETASQ Event Analyzer web portal connection page.

4 RUNNING MENU ITEMS

4.1 DESCRIPTION

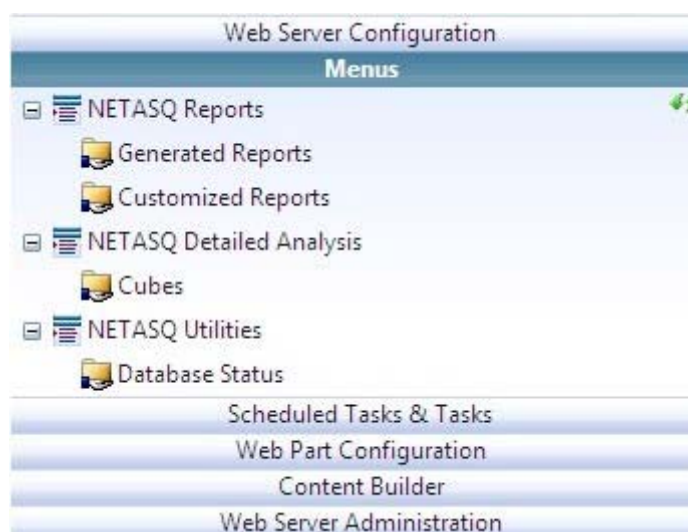
The menu items in the NETASQ Event Analyzer web portal allow end users to access the reports NETASQ Event Analyzer may generate.

To run the menu items, 2 important things should be taken into account:

- The navigation inside the menu (left part of the web portal)
- The use of the reports or their configuration located in the central zone of the web portal

To access the menu items of NETASQ Event Analyzer web portal:

- Click on the menu Menus



i NOTE

The list of available menus depends on the user name used to login.

The table below provides an overall description of the menu entries:

Menu entry	Description
NETASQ Reports	This is a node to access either generated or customized reports
Generated reports	End users will use it to access the reports NETASQ Event Analyzer generated
Customized reports	End users will use it to access report customization
NETASQ Detailed Analysis	This is a node to access log analysis
Cubes	End users will use it to perform thorough log analyses
NETASQ Utilities	This is a node to access database status checks
Database status	Administrators will use it to check the database process status

4.1.1 Working with report parameters

When browsing inside the menu items of the NETASQ Event Analyzer web portal, many screens require certain parameters to be set (e.g. "Firewall" or "source IP address"). The parameters allow end users to define the log selections they wish to work with. Most of these parameters may be set using a drop down list associated with a check box.

By default the check box is disabled and the drop down list is set to IGNORE.

- 1 Click on the arrow icon . The drop down list will be displayed

- 2 Select the value to set



TIP

- Click on the appropriate value to select it
- Click on the first value and **Shift + Click** on the last value to select contiguous values
- Perform several **Ctrl + Click** on different values in the list to select non-contiguous values

- 3 Click on the button to cancel the selection or click on the button to confirm.



NOTE

By clicking on the cancel button , the end user will discard all changes made. So regardless of the value that has been set for this drop down list (IGNORE or specific values), the values will be kept.

By clicking on the confirm button , the drop down list will be closed, the checkbox will be enabled and the list of values will be set in the field.

4.1.2 Working with the date

By default, cubes, customized reports or database status reports offer a default date (e.g. yesterday) to select the logs that should be part of the reports the end user wants to work with.

The end user can obviously select his own period either by manually setting a date or by using the calendar icon. In any case he has to first choose "Other" from the drop down list "Select the period or Other for a Date":

If the calendar icon is used, the end user should follow the steps below:

- 1 Click on the calendar icon close to the parameters "Select the date (if Other selected)"



- 2 From the displayed scheduler, select the customized date of the report you want to generate

☒ Select the Period or Other for a Date: Other

☒ Select the Date (if Other selected):

juin 2010						
≤						≥
lu	ma	me	je	ve	sa	di
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11



Use the arrow buttons  and  to navigate from one month to another.

To manually set the date parameter, the end user has to use the format provided in chapter 9 [WORKING WITH DATE KEYWORDS](#).

4.1.3 Working with reports

Regardless of the type of reports the end user works with (generated, customized or database status) they all look the same. They are PDF files displayed in the central zone of the NETASQ Event Analyzer web portal. The contents of the reports depend on the type of report, but a report book generally contains:




- A dashboard that provides a general overview of the events that occurred during the report period
- A list of reports where several displays are used according to the information to show. You may have histograms, pie charts or tables

The screenshot below shows the first page of a daily firewall report book: the dashboard.




Useful icons and buttons are explained in the table below

Home Page	<p>Sends you back to the previous report when a report displayed is the result of a drill-down link (for example, when using the HTML output format). In a single report or in the last report obtained via a drill-down, the Home Page icon will display the same report.</p> <p>Question: Why do the Home Page icon and the Go button both have the same consequence – that is, sending the user back to the previous report?</p> <p>Answer: because, when the generated drill-down reports only generate one page, no navigation bar will appear and therefore there will be no Go button.</p>
Go Back to Item List	<p>Goes back to the item list.</p> <p> NOTE</p> <p>If you click on the menu branch previously used, the last item will be run again without displaying the list.</p>
Copy the URL to the Clipboard	<p>Copies the URL link to the current report or item to the clipboard. You will be prompted to confirm this copy. This link can be used later when defining a Home Page, a Shortcut on your desktop or a Web Part.</p> <p> NOTE</p> <p>A URL can end with: <code>__e=0</code> if you wish to get the criteria parameter and output format page before running the report. <code>__e=1</code> if you wish to get the report result directly.</p>
Adobe reader tool bar	<p>This is the standard Adobe reader tool bar that allows end users to save or print generated reports</p> <p> NOTE</p> <p>Use the arrow to change the date of the report. Allows end users to move to the previous /next day or month depending on the report type.</p>

	In the case of customized generated reports, these buttons may have no effect.
  	These tab controls are only displayed for customized reports. They allow end users to browse between the customization parameters and the generated reports.


4.1.4 Running customized reports

Just after setting the parameters of customized reports or database status reports, the end user can run the report generation.

By clicking on the button , the report that the end user customized will be displayed as a standard generated report. He will then be able to browse in the tabs “Parameters” and “Both” to modify the parameters and view changes.

4.1.5 Export customized reports and cube as a file

Just after setting the parameters of cubes, customized reports or database status reports, the end user will be able to export the generated report as a file.

By clicking on the icon , the report that the end user customized will be available for local or shared folder storage in PDF file format.


Once NETASQ Event Analyzer has built the report, he will be prompted to either save or open the generated report.

NOTE

Depending on the browser policy the end user may be warned about downloading files before being prompted to save.

4.1.6 Save task for customized reports and cubes


Just after setting parameters of cubes, customized reports or database status reports, the end user can save these parameters to reuse them in a scheduled task.

By clicking on the icon , the end user has to set the task parameter for task scheduling purposes. For more information about task scheduling, please refer to section [5 TASK SCHEDULING](#).


NOTE

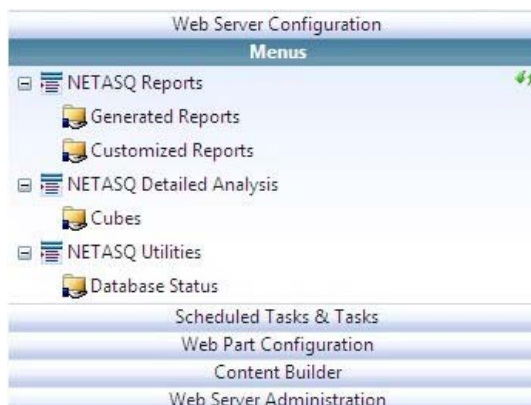
The "Save" task button is only accessible on administrator accounts.

1 Fill in the task definition parameter according to the table below:

Field	Description
Task name	Set the name of the task. This field will help to identify the task when you will use it in the task scheduler.
Destination directory	This is the directory that will store the customized report that will be created by the task. Click on the browse icon  and select the directory.
Destination file	Set a name for the report file that will be generated.
Suffix	From the drop down list, choose a suffix to add to the report file name. TIP If you plan to use this task periodically, we recommend that you use a suffix that will allow the end user to identify the report by its date.

NOTE

Destination directory is one of the shared folders you can view in the Menu panel (see below). By default these shared folders (and sub-directories) can be used because all new files created in these directories can be accessed later via the Web portal Menu if you refresh the content using the "Refresh"  icon.



You can ask the administrator to create another sub-directory located in the installation area. Once this is done, you will be able to select this sub-directory as a destination directory

NOTE



Using the Suffix parameter will help the end user to identify customized reports generated through a periodic task. The table below explains the different values available as suffixes to the file name of the generated report:

Suffix	Description
None	No suffix will be added at the end of the report file name
YY	The suffix is the current year of the report coded with 2 digits
YY-1	The suffix is the previous year of the report generation date coded with 2 digits
YYMM	The suffix is the current month of the report generation date coded with 2 digits for the year and 2 digits for the month
YYMM-1	The suffix is the previous month of the report generation date coded with 2 digits for the year and 2 digits for the month
YYMM-1D	The suffix is the previous day of the report generation date coded with 2 digits for the year and 2 digits for the month
YYMMDD	The suffix is the current day of the report generation date coded with 2 digits for the year, 2 digits for the month and 2 digits for the day
YYMMDD-1	The suffix is the previous day of the report generation date coded with 2 digits for the year, 2 digits for the month and 2 digits for the day
NNNN	The suffix is a number automatically incremented from 0000 up to 9999.

TIP

While report generation normally uses aggregated data, the reports are generally based either on yesterday's date or on the previous month. If so, we recommend the use of the YYMMDD-1 suffix for daily reports and the YYMM-1 suffix for monthly reports.

2 Enable the checkbox "Send Alert" if there are any alerts and set the parameters according to the table below:

Field	Description
From	Set a valid e-mail address as a mail sender.
To	Set the valid e-mail address(es) as destination. This is the list of recipients that will receive the customized report by e-mail.  NOTE The recipients of the list should be separated by a semi-colon.
Subject	Set the subject of the e-mail that will be sent
Text	Set the text of the e-mail that will be sent
Attachment	Do not modify this parameter, as it is related to the report you have just customized  NOTE The Attachment field can use the =Destination() function to return the file name with the full path. Another function, called =FileName() can sometimes be used to only return the file name without the path.

 **NOTE**

You can click on the "Generate VB Script" icon  to manage this task by customizing the visual basic script. This feature is reserved for advanced users.

You will be prompted to copy the script in the clipboard.

3 Click on the button "Save" to save the task in the list that will be used to build a scheduled task.

4.2 GENERATED REPORTS

The menu item "Generated Reports" allows end users to access the reports NETASQ Event Analyzer generated. The reports are generated according to the administrator's configuration. The generated reports are books that contain a dashboard and a list of specific reports.

To access the menu item "Generated Reports" in the NETASQ Event Analyzer web portal:

- Click on the item Menus\NETASQ Reports\Generated Reports



- 1 Click on the type of reports you want to access according to the descriptions provided below:

Report type	Description
Content Filtering	Contains report books about: <ul style="list-style-type: none"> - General threats (antivirus, antispam) on HTTP, SMTP, POP3 and FTP - Antispam for SMTP and POP3 - URL filters for web browsing
Firewall	Contains report books that show the accepted and blocked services.
IPS	Contains report books on the raised alarms of the intrusion prevention system
Mobility	Contains report books on SSL VPN activity
Proxy	Contains report books on web browsing and web user activities
Vulnerabilities	Contains report books that show the vulnerabilities SEISMO has detected

By clicking on a type of report, the list of available report books will appear in the central zone of the web portal as displayed in the following screenshot:

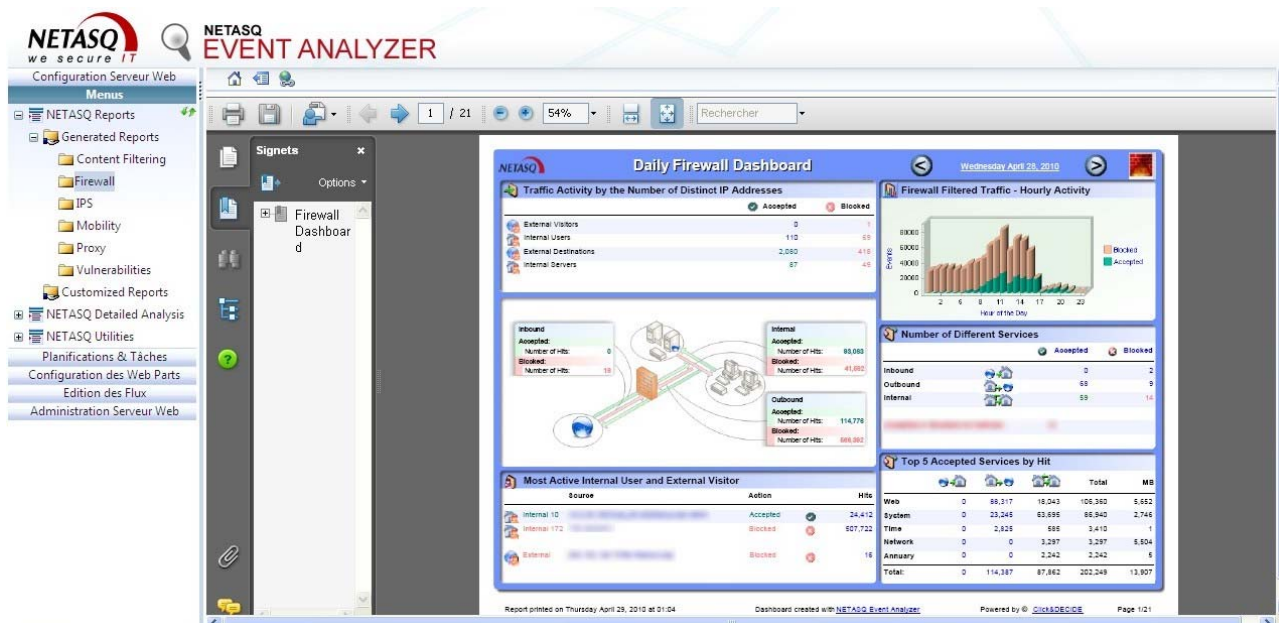


Firewall	Taille	Modification	Création
Firewall_Daily_100428.pdf	1 238 844	29/04/2010 01:05:09	31/05/2010 15:07:23
Firewall_Daily_100429.pdf	1 060 619	30/04/2010 01:02:52	31/05/2010 15:07:23
Firewall_Daily_100430.pdf	1 041 658	01/05/2010 01:03:06	31/05/2010 15:07:23
Firewall_Daily_100501.pdf	724 014	02/05/2010 01:01:24	31/05/2010 15:07:24
Firewall_Daily_100502.pdf	725 078	03/05/2010 01:01:13	31/05/2010 15:07:24
Firewall_Daily_100503.pdf	1 049 830	04/05/2010 01:03:05	31/05/2010 15:07:24
Firewall_Daily_100504.pdf	1 048 155	05/05/2010 01:03:52	31/05/2010 15:07:24
Firewall_Daily_100505.pdf	1 045 480	06/05/2010 01:02:54	31/05/2010 15:07:25
Firewall_Daily_100506.pdf	1 047 962	07/05/2010 01:03:51	31/05/2010 15:07:25
Firewall_Daily_100507.pdf	1 049 878	08/05/2010 01:02:30	31/05/2010 15:07:25
Firewall_Daily_100508.pdf	725 986	09/05/2010 01:00:35	31/05/2010 15:07:25
Firewall_Daily_100509.pdf	724 568	10/05/2010 01:00:32	31/05/2010 15:07:25
Firewall_Daily_100510.pdf	1 044 895	11/05/2010 01:02:39	31/05/2010 15:07:25
Firewall_Daily_100511.pdf	1 043 526	12/05/2010 01:03:03	31/05/2010 15:07:25
Firewall_Daily_100512.pdf	1 042 319	13/05/2010 01:02:16	31/05/2010 15:07:25
Firewall_Daily_100513.pdf	836 393	14/05/2010 01:00:49	31/05/2010 15:07:26
Firewall_Daily_100514.pdf	1 016 242	15/05/2010 01:01:32	31/05/2010 15:07:26
Firewall_Daily_100515.pdf	724 903	16/05/2010 01:00:41	31/05/2010 15:07:26
Firewall_Daily_100516.pdf	727 581	17/05/2010 01:00:35	31/05/2010 15:07:26

According to the data that have been treated, two types of reports may be displayed:

- Daily report which shows hourly events that have been raised through NETASQ product logs
- Monthly report which shows daily events that have been raised through NETASQ product logs

2 Click on the report book you want to view. It will appear in the central zone as displayed below:



4.3 CUSTOMIZED REPORTS

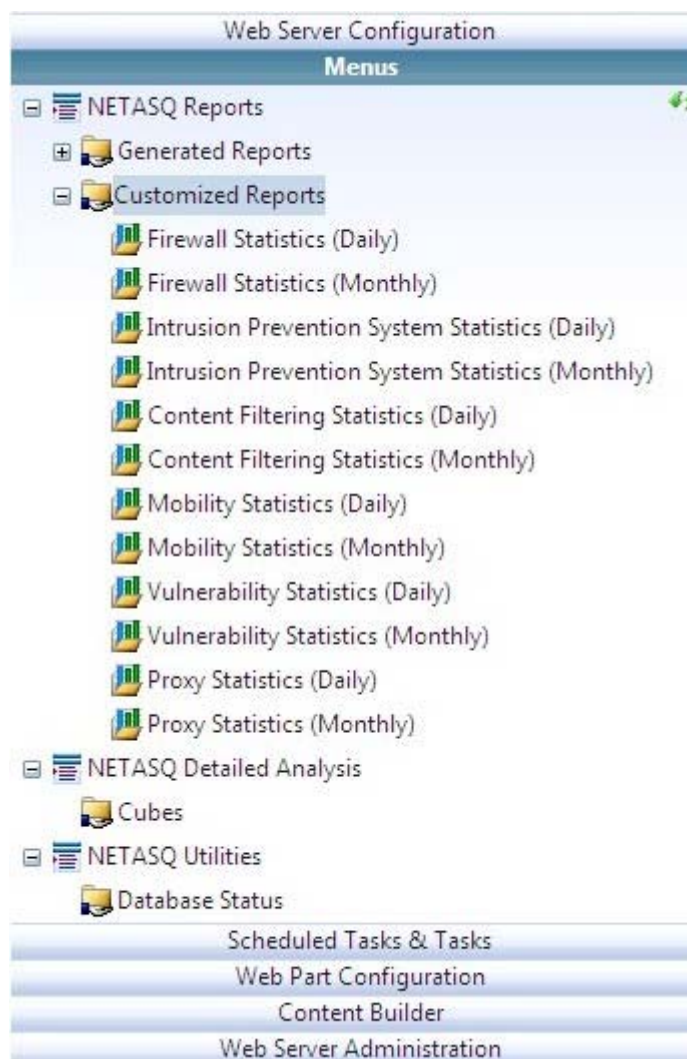
The customization of the NETASQ Event Analyzer reports helps the end user achieve two main goals:

- To examine log information for the purpose of analysis

- To prepare a report for automatic generation purposes through task scheduling

Regardless of the end user's objective, the usage is the same. To access the item menu "Customized Reports" in the NETASQ Event Analyzer web portal:

- Click on the item Menus\NETASQ Reports\Customized Reports



- 1 Click on the type of reports you want to customize according to the descriptions provided below:

Report type	Description
Daily	By selecting this type of report, the displayed events will be based on daily data. It means you will get information on an hourly basis
Monthly	By selecting this type of report, the displayed events will be based on monthly data. It means you will get information on an daily basis
Firewall	Contains reports relating to accepted and blocked services.
Intrusion Prevention System	Contains reports on the raised alarms of the intrusion prevention system
Content Filtering	Contains report books on general threats (antivirus, antispam) on HTTP, SMTP, POP3 or FTP and on URL filters for web browsing
Mobility	Contains reports relating to SSL VPN activity
Vulnerabilities	Contains reports that show the vulnerabilities SEISMO has detected
Proxy	Contains reports relating to web browsing and web user activities

- 2 Click on the type of information you want to work with according to the screen that allows you to select the report:

The screenshot shows the NETASQ Event Analyzer Web Portal interface. On the left is a navigation menu with categories like 'Web Server Configuration', 'NETASQ Reports', 'NETASQ Detailed Analysis', and 'NETASQ Utilities'. The 'NETASQ Reports' section is expanded, showing a list of reports under 'Firewall Statistics (Daily)'. The main area displays a table of reports with columns for 'Size', 'Modification', and 'Creation'.

Report Name	Size	Modification	Creation
Report Book for the Firewall(s) (Daily Reports 01 to 15)	0	1/19/2010 12:24:49 PM	9/6/2004 7:07:03 PM
01 - Firewall Dashboard	0	3/22/2010 5:56:14 PM	9/2/2004 10:43:08 AM
02 - Events by Hour	0	3/22/2010 5:56:35 PM	9/2/2004 10:43:08 AM
03 - Number of Hits by Action and Type	0	2/9/2010 6:22:50 PM	9/2/2004 10:43:08 AM
04 - Top N Accepted Services by Top N Source and Destination	0	2/9/2010 6:23:07 PM	9/2/2004 10:43:08 AM
05 - Top N Blocked Services by Top N Source and Destination	0	2/9/2010 6:23:27 PM	9/2/2004 10:43:08 AM
06 - Events by Rule or Message Number	0	4/13/2010 3:06:21 PM	9/2/2004 10:43:08 AM
07 - Top N Accepted Users	0	4/12/2010 11:49:47 AM	9/2/2004 10:43:08 AM
08 - Top N Accepted Visitors	0	4/12/2010 11:49:49 AM	9/2/2004 10:43:08 AM
09 - Top N Blocked Users	0	4/12/2010 11:49:51 AM	9/2/2004 10:43:08 AM
10 - Top N Blocked Visitors	0	4/12/2010 11:49:53 AM	9/2/2004 10:43:08 AM
11 - Top N Incoming Accepted Services	0	4/12/2010 11:49:58 AM	9/2/2004 10:43:08 AM
12 - Top N Outgoing Accepted Services	0	4/12/2010 11:50:01 AM	9/2/2004 10:43:08 AM
13 - Top N Incoming Blocked Services	0	4/12/2010 11:50:03 AM	9/2/2004 10:43:08 AM
14 - Top N Outgoing Blocked Services	0	4/12/2010 11:50:05 AM	9/2/2004 10:43:08 AM
15 - Top 10 Users & Visitors Using the Greatest Variety of Services	0	2/9/2010 6:26:53 PM	9/2/2004 10:43:08 AM
16 - Top N Accepted Users with their Top N Services	0	4/12/2010 11:50:09 AM	9/2/2004 10:43:08 AM
17 - Top N Accepted Visitors with their Top N Services	0	4/12/2010 11:50:11 AM	9/2/2004 10:43:08 AM
18 - Top N Blocked Users with their Top N Services	0	4/12/2010 11:50:13 AM	9/2/2004 10:43:08 AM
19 - Top N Blocked Visitors with their Top N Services	0	4/12/2010 11:50:15 AM	9/2/2004 10:43:08 AM

NOTE

NETASQ Event Analyzer provides a large number of reports for customization purposes. This will help the end user to work with the most suitable reports according to his needs.

- 3 Click on the report you want to customize to configure the parameters of the reports

The screenshot shows the 'Parameters' configuration screen for the report '04 - Top N Accepted Services by Top N Source and Destination'. It includes various checkboxes and input fields for customizing the report's output.

Parameter	Value
Select the Period or Other for a Date:	Yesterday
Select the Date (if Other selected):	6/8/2010
Firewall? (Ignore for all):	IGNORE
Source? (Ignore for all):	IGNORE
Destination? (Ignore for all):	IGNORE
Top N Source and Destination?:	10
Top N Services by Source and Destination? (Ignore for all):	5
Source Area (for reports 05 and 06)? (Ignore for all):	IGNORE
Destination Area (for reports 05 and 06)? (Ignore for all):	IGNORE

Output Format: ☒ PDF ☐ Run

NOTE

The list of parameters that may be configured depends on the selected report.

- 4 Set the values of the parameters to customize
- 5 Finish the customization according to your objective: run the report, export the report to a file or save the report as a task.

4.4 LOG ANALYSIS AND CUBES

The log analysis on the NETASQ Event Analyzer helps the end user achieve two main goals:

- To examine log information for the purpose of thorough analysis
- To build specific charts in order to follow dedicated events

WARNING

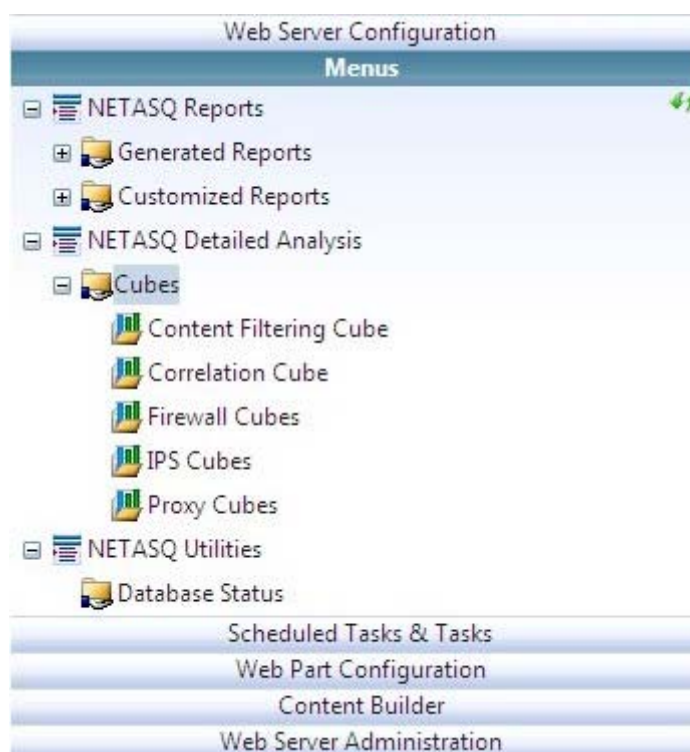
The NETASQ Event Analyzer Cube requires the use of Internet Explorer, the component Microsoft Office 2003 Web Components 11 version 12 and the related ActiveX component. If these software components are not installed on the end user's computer, he will be prompted to install them.

A cube may be viewed as a container that embeds the data to be analyzed. The principle of using log analysis consists of:

1. Defining the type of logs you want to analyze
2. Defining the parameters to select the logs
3. Managing filters, order and cross table to analyze the logs
4. Managing the presentation and the chart view
5. Saving the chart view and the data for continuous analysis

To access the NETASQ Event Analyzer log analysis:

- Click on the item Menus\NETASQ Reports\NETASQ Detailed Analysis








4.4.1 Select the log type

- 1** Click on the type of reports on which you wish to analyze logs according to the descriptions provided below:

Report type	Description
Content Filtering Cube	Analyzes logs on general threats (antivirus, antispam) on HTTP, SMTP, POP3 or FTP and on URL filters for web browsing
Correlation Cube	Analyzes logs relating to firewall and proxy events.
Firewall	Analyzes logs relating to accepted and blocked services.
IPS	Analyzes logs on the raised alarms of the intrusion prevention system
Proxy	Analyzes logs relating to web browsing and web user activities

No matter what report type has been selected for the log analysis, the screen that will appear is quite similar to the screenshot below:


Correlation Cube	Size	Modification	Creation
 Correlation Cube on Daily Information (limited to 100 000 records)	0	3/5/2010 4:47:57 PM	7/19/2006 12:17:01 PM
 Correlation Cube on Detailed Information (limited to 100 000 records)	0	12/11/2008 10:24:38 AM	7/18/2006 6:42:08 PM
 Correlation Cube on Monthly Information (limited to 100 000 records)	0	1/22/2010 1:53:18 PM	7/19/2006 2:31:56 PM
 Forensic Traceability Report	0	3/22/2010 11:13:22 AM	10/5/2005 12:04:11 PM

Cube type	Description
Daily information	Use this cube type to analyze data that have been aggregated daily. This means you won't be able to investigate logs that have just been received.
Detailed information	Use this cube type to analyze data that have been received.
Monthly information	Use this cube type to analyze data that have been aggregated monthly. It means you won't be able to investigate either logs that have just been received or daily data.
Forensic Traceability Report	Use this cube type to track events relating to specific fields (IP source, IP destination ...).  NOTE This type of cube is only available by selecting "Correlation Cube".

 **NOTE**

The selection of the cube type for proxy events is a little different from the others. The list of available cube types is as follows:

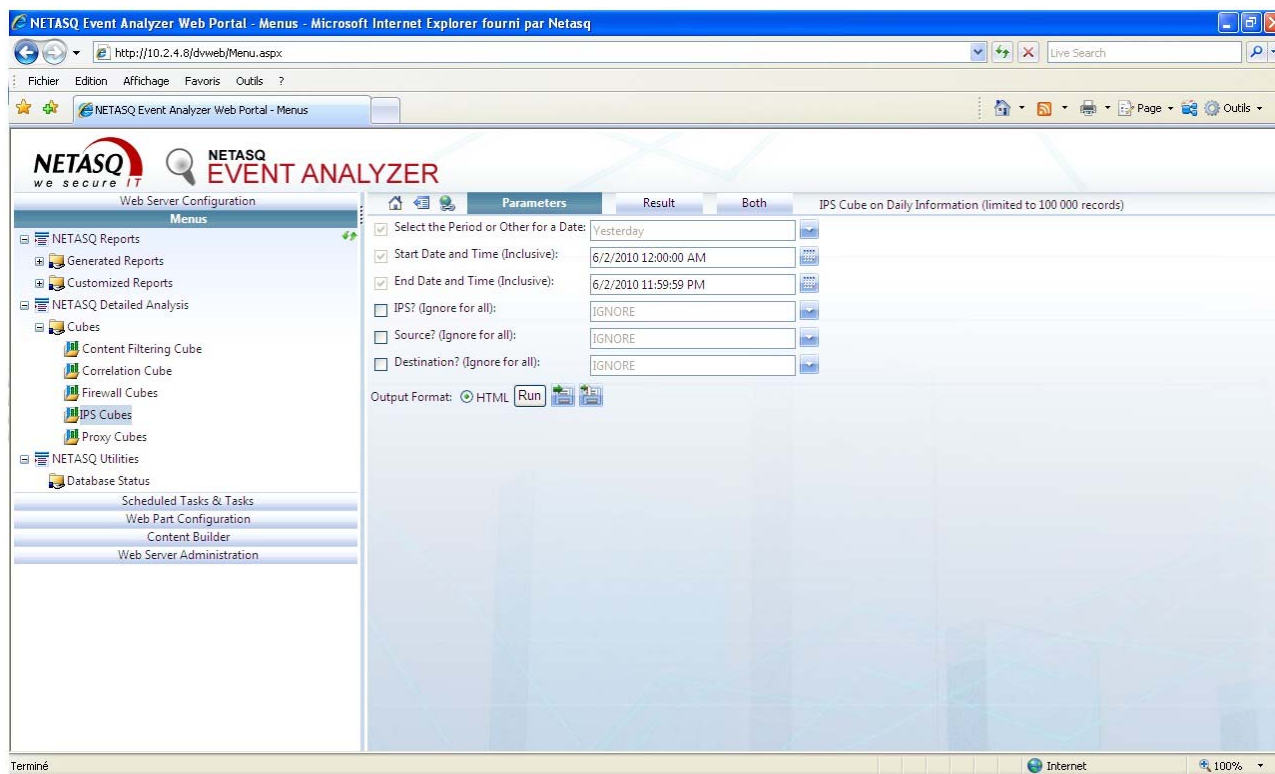
- Proxy Cube on Daily Information by IP source
- Proxy Cube on Daily Information by user
- Proxy Cube on Detailed Information by IP source
- Proxy Cube on Detailed Information by user
- Proxy Cube on Monthly Information by IP source
- Proxy Cube on Monthly Information by user

 Select the type of cube you want to work with.

Then you can continue by selecting the logs to analyze.

4.4.2 Select the log records

Once the cube type has been selected, the end user has to select the log records he wants to analyze. By clicking on the cube type the end user wants to work with, the following screen will appear:



NOTE

The list of available parameters depends on the report type the user has chosen.

- 1** Set the parameter values used in selecting the log records

RECOMMENDATION

Logs may be difficult to analyze if a huge volume of log records has been selected. Moreover, in order to save server performance, the selection is limited to 100 000 records.

So, we strongly recommend that you define the selection parameters specifically.

- 2** Finish selecting logs for the cube according to your objective: run the cube, export the cube to a file or save it as a task.

The table below explains the use of the different types of cube results:

Cube result	Usage
Run cube	The end user will be able to analyze logs through the web portal. He may also save the result on his local disk.
Exported file	The selected log records are put in a pdf file without any formatting.
Saved task	<p>The administrator can create a task for further log analyses with 2 main reasons:</p> <ul style="list-style-type: none"> The cube result may be published in the web portal for other users The cube log records may be attached in an e-mail and used with a presentation previously done <p>NOTE More information about cube presentation will be provided in the section 4.4.3 Analyzing logs.</p>

4.4.3 Analyzing logs

After running the log record selection, the data for the cube will be available for analysis purposes and the following screen will appear:

The screenshot displays the 'Firewall Cube on Detailed Information (limited to 100 000 records)' web application. The main area shows a table with the following data:

Source Net Area	Destination Net Area	Hits	Accepted	Blocked
External		250	61	
Internal 172	External	10 494	153 759	
	Internal 172	346	21 242	
	Internal 192	2 532	502	
	Local host	1	290	
Internal 172			310	
Total général		13 623	176 165	

The sidebar on the right shows a tree view for organizing log attributes. The tree structure is as follows:

- Cube on Detailed
 - Totaux
 - Bytes
 - Elapsed Time
 - Hits
 - Action hierarchy
 - Country Destination
 - Country Source
 - DATE Detailed
 - DATE YYYY MM DD HH
 - Destination hierarchy
 - Firewall
 - Rule
 - Service
 - Source hierarchy

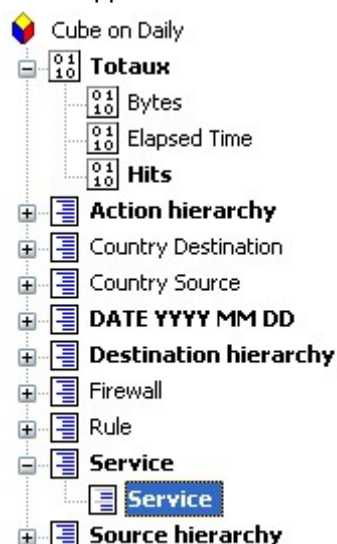
A red box in the top toolbar highlights a button with a document icon, which is used to manage the attributes of the logs.

NOTE

The screen to manage the organization of log attributes may be not displayed.

1 To manage the attributes of the logs, click on the button

The log attribute management screen will appear:



2 Add as many attributes as required according to the necessary log analyses. Just select one attribute or a group and drag and drop it to the right area. This action may also be done by using the appropriate value in the drop down list.

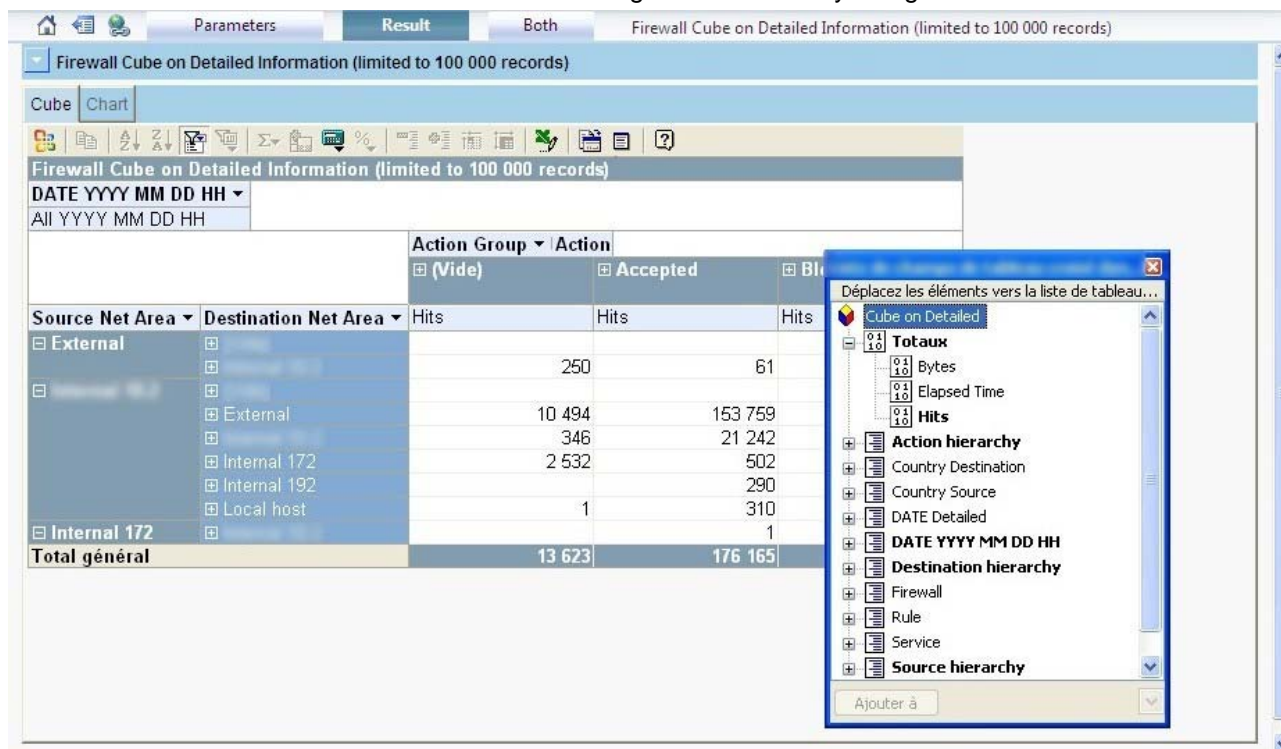
The cross table used for analyzing the logs is divided into 4 areas as described below

Firewall Cube on Daily Information (limited to 100 000 records)	
Place here fields for filtering purpose	
Place here the fields for the columns	
Place the fields for the lines	Place here the fields for details and total values

3 Analyze logs using the following features:

- Change the filter value
- Collapse line to group or ungroup values
- Collapse column to group or ungroup values

The screen below shows how the end user can arrange a cube to analyze logs:



4 By clicking on the “Chart” tab, the end user will be able to create a chart view to illustrate the analysis.

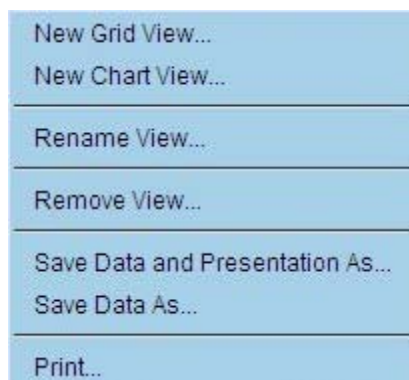
4.4.4 Managing the presentation and the chart view

Besides log analysis, the NETASQ Event Analyzer cube module provides a lot of features. For instance, the end user is able to manipulate logs through different views and save them for further tracking analyses.

To access the services that the NETASQ Event Analyzer cube module offers:

- Click the down-arrow in the top left corner of the screen

The following contextual menu appears:



New grid view...	Creates a new Cube tab to get another presentation to have another dimension and measure on the selected log records.
New Chart View...	Creates a new Chart tab to get another graph presentation. A Chart can be linked to a Cube View or can be standalone.

Rename View	Allows the end user to rename a Cube View or Chart View. First select the View to be renamed before using this command.
Remove View...	<p>Allows the end user to remove a Cube View or Chart View. First select the View to be removed before using this command.</p> <p>! WARNING If you are removing a Cube View linked to a Chart View, a message will appear explaining that the Chart View is linked to the Cube View and that you will also lose these views. Click OK only if you accept losing both views.</p>
Save Data and Presentation As...	<p>Allows the end user to save log records (the data) and the created grid and chart to keep the dimension and measure organization.</p> <p>i NOTE More information about the use of saved presentations and data will be provided in the section 4.4.5 Managing local cube storage.</p>
Save Data As...	<p>Allows the end user to only save log records and use it with a previously saved presentation.</p> <p>i NOTE More information about the usage of saved presentation and data will be provided in the section 4.4.5 Managing local cube storage.</p>
Print...	Allows the end user to print the analysis he performed

4.4.5 Managing local cube storage

Once the end user has performed his log analysis, he can save it on his own hard disk. Then he will be able to either transmit the file to his manager or to reuse it to perform the same analysis on other log records. It helps the end user to keep the presentation he made in the log record selection.

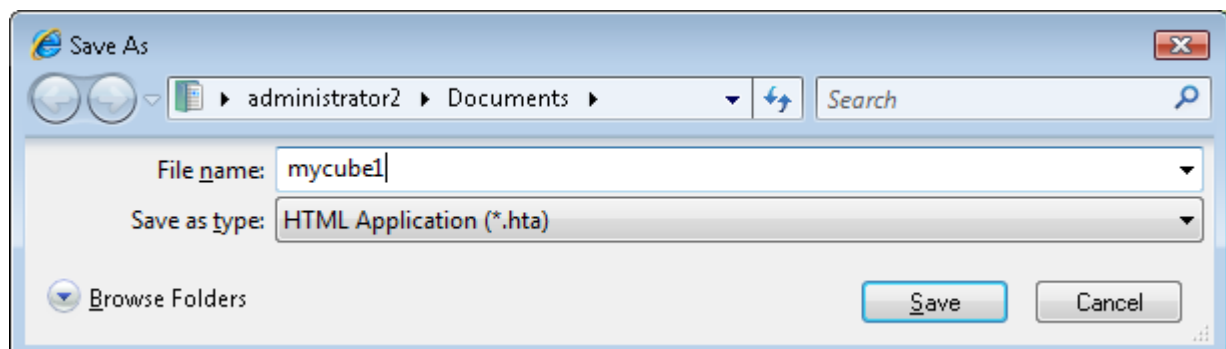
4.4.5.1 Save presentation and data

To save cube presentation and data:

- From a cube with log records, click the down-arrow in the top left corner of the screen

- Select "Save Data and Presentation As..." from the contextual menu

The following screen will appear:



- 2 Set a filename for the cube to save locally and then click on the button "Save".

**NOTE**

You can now access this cube offline, without needing to connect to the Web Portal. Just go to the destination directory and double-click on the *.hta file (in this example, the file "mycube1.hta").

4.4.5.2 Update presentation data

Once the end user has saved the presentation and the data he selected for his analysis, he can reuse the presentation with other log records. This will help him to track differences between 2 log records.

To reuse a presentation with another log record, follow the steps below:

- 1 Run another cube by using the same type but by modifying the log record selection (e.g. changing the date)
- 2 From the down-arrow in the top left corner of the screen, select "Save Data As...".
- 3 Set a filename to save the cube data locally by keeping the proposed file extension

**RECOMMENDATION**

In order to track differences between data with the same presentation, we recommend keeping the old data file(s) and using a new filename for the current saving process.

**NOTE**

The file extension for the cube data is .cub.

- 4 From the local end user's directory where files have been saved, change the filename of the previous data.

Example

If the filename used to save the presentation and the data is "mycube.hta", the log record data will be stored in the file "mycube.cub". Save this filename with another name (e.g. mycube.old.cub)

- 5 From the local end user's directory where files have been saved, change the name of the last saved data file.

Example In our example, change the last saved data file (e.g. mynewcube.cub) with the filename used during the presentation and data saving process: mycube.cub

- 6 Launch the local Cube application by double-clicking on the file "mycube.hta".

4.5 WORKING WITH THE DATABASE UTILITIES

Using the NETASQ Event Analyzer reports helps the administrator to check the status of database processes like insertion or aggregation.

To access the menu item "Customized Reports" in the NETASQ Event Analyzer web portal:

- Click on the item Menus\NETASQ Utilities\Database Status



- 1 Click on the type of database reports you want to check according to the descriptions provided below:

Information type	Description
Content Filtering Utilities	Contains the database report status on the treatment of Content Filter logs
Firewall Statistics Utilities	Contains the database report status on the treatment of Firewall logs
Intrusion Prevention System Statistics Utilities	Contains the database report status on the treatment of intrusion prevention system logs
NETASQ Audit	Contains general information on reports generated per device.
Proxy Statistics Utilities	Contains the database report status on the treatment of web proxy logs

2 Click on the type of information you want to work with according to the following screen:



NOTE

The list of available reports depends on the selected report type.

The table below describes the different types of report:

Report type	Description
Selected Records Details	Provides detailed information on the database records
Number of Records for the Table	Indicates the number of records stored in the database for the detailed, aggregated and dimensions data.
Aggregation Process Status	Provides information on the aggregation process
Address Definition Management	Indicates the naming used for network identification

3 Set the parameters for the database reports



NOTE

The list of parameters that may be configured depends on the selected report type.

- 4 Finish generating the database status report according to your objectives: run the report, export the report to a file or save the report as a task

5 TASK SCHEDULING

5.1 DESCRIPTION

The scheduled tasks feature on the NETASQ Event Analyzer web portal allows the administrator to manage the scheduling of the following tasks:

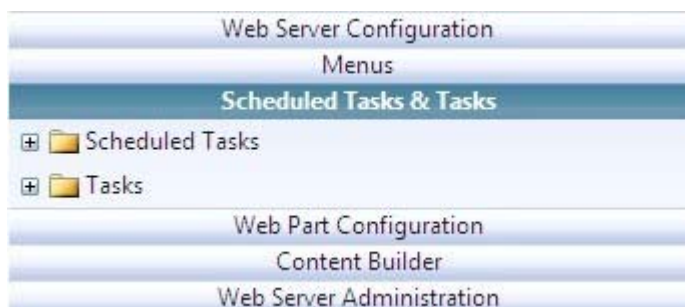
- Generation of standard reports
- Database aggregation process
- Database purge process
- Generation of customized reports generation, if any
- Generation of cubes, if any

NOTE



The task scheduling menu is only available for the user Admin and AdminDB.

To access task schedules on the NETASQ Event Analyzer web portal:

- ➔ Click on the menu Scheduled Tasks & Tasks



The table below provides an overall description of the task scheduling entries:

Menu entry	Description
Scheduled Tasks	<p>This node lists the scheduling that has been created either by the administrator or through the NETASQ Event Analyzer Configurator wizard.</p> <p> NOTE After the configuration of NETASQ Event Analyzer, some scheduling will automatically be created.</p>
Tasks	<p>This node lists the tasks that have been created either by the administrator or through the NETASQ Event Analyzer Configurator wizard.</p> <p> NOTE After the configuration of NETASQ Event Analyzer, some tasks will automatically be created and inserted in scheduling.</p>

5.2 MANAGING THE TASKS

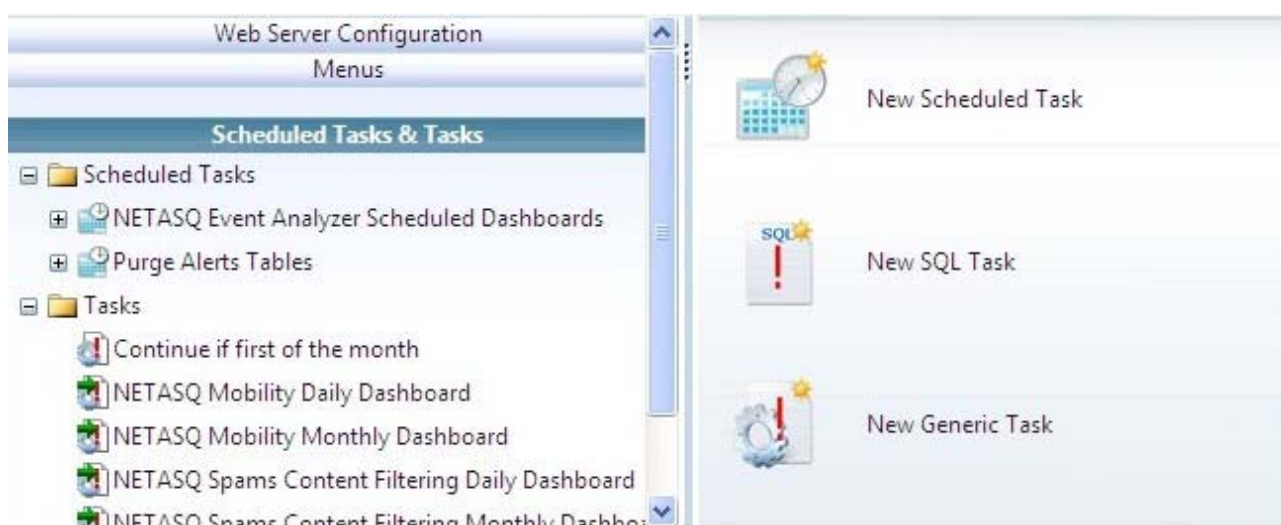
Task management allows the administrator to perform the following actions:

- Create a report generation task
- Create a SQL task
- Create a generic task
- Edit a task
- Delete a task

To access task management on the NETASQ Event Analyzer web portal:

- Click on the menu **Scheduled Tasks & Tasks\ Tasks**

The following screen will appear:



5.2.1 Creating a report generation task

Report generation tasks are created from the customized report screen. After defining the parameters of the report generation, the administrator may decide to save the report as a task.

For more explanations on creating tasks from a customized report please refer to [4.1.6 Save task for customized reports and cube](#).

5.2.1.1 Working with the alerts

NETASQ Event Analyzer offers the possibility of associating alerts with a task. 4 kinds of alerts are available:

- E-mail: E-mails are sent to e-mail recipients with the result file attached
- Highlight: consists of adding a highlight in the web parts
- Information: consists of adding an information feed in the web parts
- RSS feed: consists of adding an RSS feed

NOTE

“Highlight” and “Information” are related to web parts that will relay the alert depending on the administrator’s web portal configuration.

To work with the alerts of the NETASQ Event Analyzer web portal:

- Click on check box "Send an Alert" in the screen that allows defining the customization parameters of a report (customized, database utilities or cubing selection)

The parameters to define depend on the kind of alert that the end user has selected.





For e-mail alerts, the screen is as follows:



Field	Description
From	Sets a valid e-mail address as a mail sender.
To	<p>Sets the valid e-mail address(es) as destination. This is the list of recipients that will receive the customized report by e-mail.</p> <p>NOTE The recipients of the list should be separated by a semi-colon.</p>
Subject	Sets the subject of the e-mail that will be sent
Text	Sets the text of the e-mail that will be sent
Attachment	<p>Do not modify this parameter, as it is related to the report you have just customized</p> <p>NOTE The Attachment field can use the =Destination() function to return the file name with the full path. Another function, called =FileName() can sometimes be used to only return the file name without the path.</p>



For “Highlight” alerts, the screen is as follows:



Field	Description
Severity	<p>Enter 0, 1 or 2 corresponding to the default standard icons:</p> <p> 0 will display an Information icon.</p> <p> 1 will display a Warning icon.</p> <p> 2 will display an Error icon.</p>
Icon	<p>Enter the path and the file name for the icon you want to appear in front of your highlight if you do not wish to use the default icons above.</p> <p> NOTE The path should refer to the server machine, for example: /dvweb/App_Themes/NETASQ/Images/ico_pdf.gif.</p>
URL	The function =Hyperlink() will automatically generate the URL corresponding to the report file created so that the end user can open this report via the “Highlight” frame defined in the Web Parts.
Title	Enter the title to display in the “Highlight” frame
Text	Define the tool tip to display when the “Highlight” title is selected with the mouse
User	<p>Define the user who will be assigned to the highlight.</p> <p>This parameter is optional and available for future use.</p>
Group	<p>Define the group that will be assigned to the highlight.</p> <p>This parameter is optional and available for future use.</p>

For “Information” alerts, the screen is as follows:



Field	Description
Category	Define the category to use for information classification purposes. This parameter is optional
Icon	Enter the path and the file name for the icon you want to appear in front of your highlight if you do not wish to use the default icons above. <div>  NOTE </div> The path should refer to the server machine, for example: /dvweb/App_Themes/NETASQ/Images/ico_pdf.gif. If no icon is defined here, the default  Information icon will be used.
URL	The function =Hyperlink() will automatically generate the URL corresponding to the report file created so that the end user can open this report via the Highlight frame defined in the Web Parts.
Title	Enter the title to display in the “Information” frame
Text	Define the tooltip to display when the “Information” title is selected the with the mouse
User	Define the user who will be assigned to the information. This parameter is optional and available for future use.
Group	Define the group that will be assigned to the information. This parameter is optional and available for future use.

For “RSS feed” alerts, the screen is as follows:

Field	Description
Title	Enter the title to display in the “RSS feed” title area
Description	Enter the description to display in the “RSS feed” description area
Link	The function =Hyperlink() will automatically generate the URL corresponding to the report file created so that the end user can open this report via the “Highlight” frame defined in the Web Parts.
Category	Define the category to use for information classification purposes. This parameter is optional
User	This parameter is not relevant to RSS feeds.
Group	This parameter is not relevant to RSS feeds.

5.2.2 Creating a SQL task

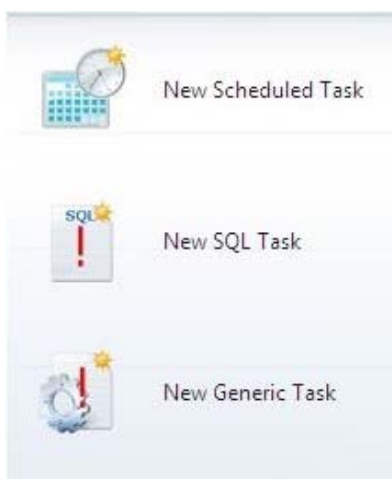
Creating a SQL task allows an administrator to schedule it to send SQL commands to the NETASQ Event Analyzer database.

RECOMMENDATION

The use of SQL tasks intends to directly manipulate data inside the database, so it is reserved for expert administrators.

To access the creation of a SQL task:

- Click on the menu **Scheduled Tasks & Tasks\ Tasks**



- In the right panel, click on the icon **New SQL Task**

The following screen will appear in the right panel:

Task Name:

Data Source:

User ID:

Password:

SQL:

Warning: the password is empty (please enter it each time you edit the task).

- Set the parameters according to the explanations provided in the table below:

Field	Description
Task Name	Defines a name for the task. This name will be used to identify the task for scheduling purposes.
Data Source	Sets the data source configured in the NETASQ Event Analyzer Configurator.
User ID	Sets the login used to access the database.
Password	Sets the password associated with the login used to access the database i NOTE The password has to be set each time the task is edited
SQL	This is the SQL statement that will be run by the database engine. For example, the SQL statement used to purge the "infos" table in the NETASQ Event Analyzer is : <pre>exec [datasetreport].[NETASQ].[purge_alert] 'NETASQ.infos' '[date]', 10'</pre>

3 Click on the "Save" button. The task will be available in the task node for scheduling management purposes.

5.2.3 Creating a generic task

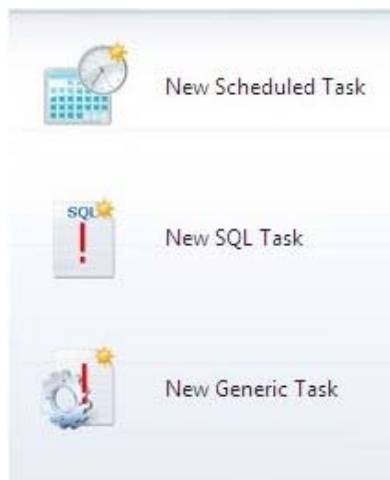
Creating a generic task allows an administrator to schedule it to execute some specific commands.


RECOMMENDATION

The use of generic tasks requires specific knowledge of NETASQ Event Analyzer, so it is reserved for expert administrators.

To access the creation of a generic task:

Click on the menu `Scheduled Tasks & Tasks\ Tasks`



1 In the right panel, click on the icon  New Generic Task

The following screen will appear in the right panel:

Task Name:	ExportToExcel
Run Command:	C:\WINDOWS\system32\cscript.exe C:\NETASQ\Event Analyzer\scripts\export_excel.vbs
<div> <div>Save</div> <div>Cancel</div> </div>	

2 Set the parameters according to the explanations provided in the table below:

Field	Description
Task Name	Defines a name for the task. This name will be used to identify the task for scheduling purposes.
Run Command	Sets the pathname of the file that embeds the commands to be run. <div> NOTE The file of run commands may be a VBS script, a .bat or an .exe file. </div>

3 Click on the "Save" button. The task will be available in the task node for scheduling management purposes.

5.2.4 Editing a task

Editing a task allows an administrator to modify the task behavior.

To access the task edition:

- Click on the menu Scheduled Tasks & Tasks\ Tasks

1 In the left menu, select the task to edit



2 In the right panel, click on the icon Edit Task

The following screen will appear in the right panel:

The screenshot shows a configuration window with two main sections: 'Parameters' and 'Destination'.

Parameters Section:

- ☒ Select the Period or Other for a Date: Yesterday
- ☒ Select the Date (if Other selected): #AUTO#
- ☐ Firewall? (Ignore for all): IGNORE
- ☐ Source? (Ignore for all): IGNORE
- ☐ Destination? (Ignore for all): IGNORE
- ☒ Top N Source and Destination?: 10
- ☒ Top N Services by Source and Destination? (Ignore for all): 5
- ☐ Source Area (for reports 05 and 06)? (Ignore for all): IGNORE
- ☐ Destination Area (for reports 05 and 06)? (Ignore for all): IGNORE
- ☒ Top N Users: 30
- ☒ Top N Visitors: 30
- ☒ Top N Incoming/Outgoing Services: 30
- ☒ Incoming and Outgoing Services sorted by?: Hits
- ☒ PDF

Destination Section:

- Task Name: NetReport Firewall Daily Dashboard
- Destination Directory: NETASQ Reports/Generated Reports/Firewall
- Destination File: Firewall_Daily_.pdf
- Suffix: YMMDD-1

Alert Section:

- ☐ Send an Alert

Buttons: Save, Cancel

NOTE

The displayed screen depends on the kind of task previously selected. In the example below, the task concerns the automatic generation of the daily firewall dashboard.

3 Update the parameters as needed.

4 Click on the “Save” button to finish updating the task.

5.2.5 Deleting a task


Deleting a task allows an administrator to remove a task from NETASQ Event Analyzer. Even if the task is part of a task schedule, it will no longer be executed.

To access the task deletion:

- Click on the menu Scheduled Tasks & Tasks\ Tasks

- 1 In the left menu, select the task to remove



- 2 In the right panel, click on the icon  Delete Task

- 3 The administrator will be prompted to confirm the task deletion



- 4 Click on the "OK" button to confirm the task deletion.

5.3 MANAGING TASK SCHEDULE

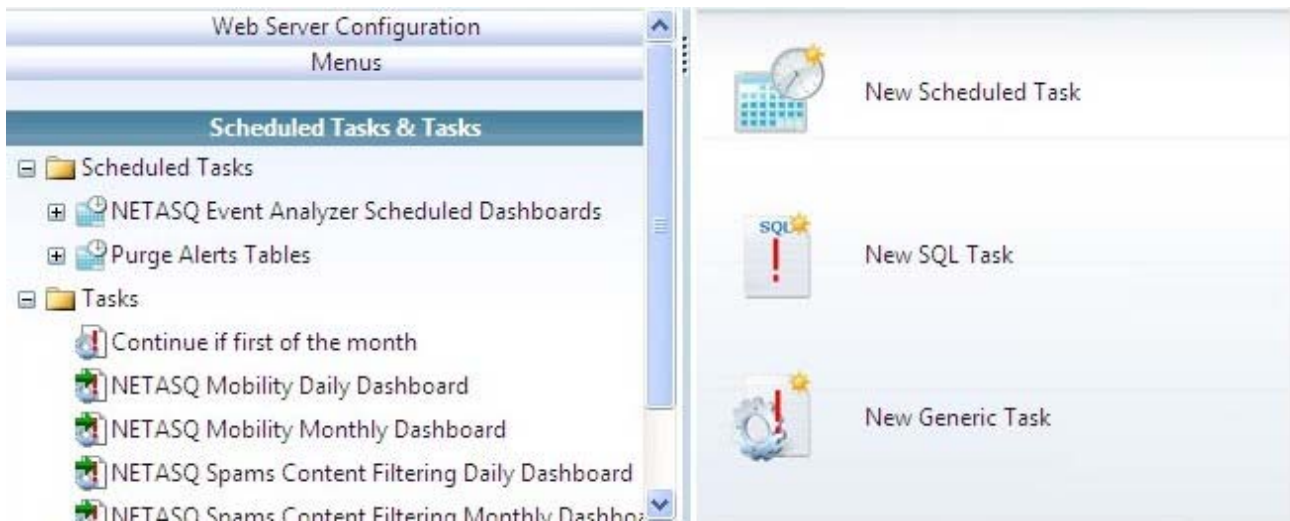
Managing task schedules allows the administrator to perform the following actions:

- Create a specific task schedule
- Edit a task schedule to manage the scheduling of automatic treatments like report generation for instance
- Delete a task schedule

To access the task schedule management of the NETASQ Event Analyzer web portal:

- Click on the menu Scheduled Tasks & Tasks\ Tasks

The following screen will appear:




5.3.1 Creating a task schedule

Creating a schedule allows an administrator to schedule tasks that should be automatically run.

To access the task schedule management of the NETASQ Event Analyzer web portal:

- Click on the menu Scheduled Tasks & Tasks\ Scheduled Tasks

- In the right panel, click on the icon  New Scheduled Task

The following screen will appear in the right panel:

- Define a name for the task schedule being created

3 From the list "Available tasks", select the task that should be part of the schedule and click on the arrow to put it in the list "Tasks to be run".


TIP

- Click on the appropriate value to select it
- Click on the first value and **Shift + Click** on the last value to select contiguous values
- Perform several **Ctrl + Click** on different values in the list to select non-contiguous values

4 Manage the scheduling frequency


NOTE

The parameters to set for defining the frequency depend on the selected type. The frequency of schedule management is described further in this section

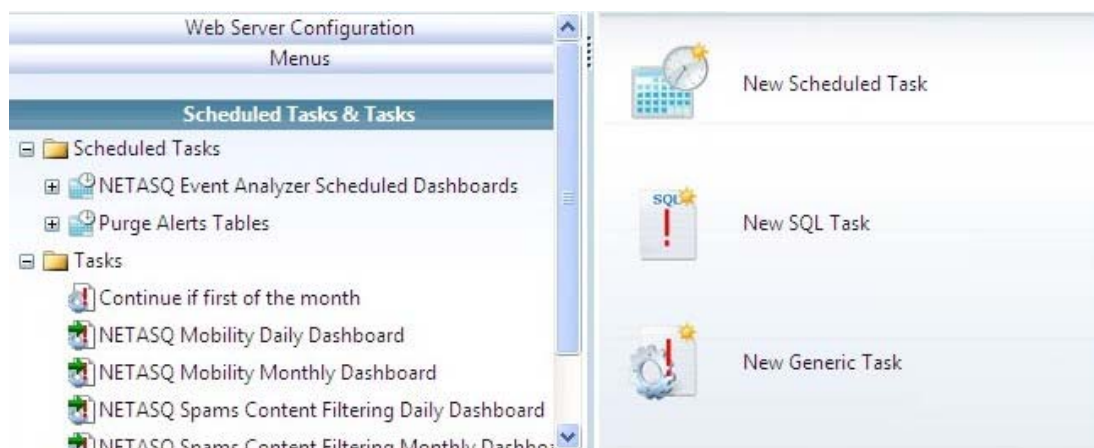
5 Define the parameters for the schedule repetition, if any

5.3.2 Editing a task schedule

Modifying a schedule allows an administrator to modify the scheduled tasks that should be automatically run. To access the management of scheduled tasks on the NETASQ Event Analyzer web portal:

Click on the menu **Scheduled Tasks & Tasks\ Scheduled Tasks**

1 In the **Scheduled Tasks & Tasks\ Scheduled Tasks** menu, select the scheduled tasks to edit



2 In the right panel, click on the icon Edit Scheduled Task

The following screen will appear in the right panel:

- 3** Update the task scheduling parameters
- 4** Click on the “Finish” button to save the task schedule.

5.3.3 Deleting a task schedule

Deleting a task schedule allows an administrator to remove a task schedule from NETASQ Event Analyzer.

NOTE

The tasks associated with the schedule will not be removed.

To access the task schedule deletion in the NETASQ Event Analyzer web portal:

- Click on the menu Scheduled Tasks & Tasks\ Scheduled Tasks

- 1** In the Scheduled Tasks & Tasks\ Scheduled Tasks menu, select the task schedules to delete
- 2** In the right panel, Click on the icon Delete Scheduled Task
- 3** The administrator will be prompted to confirm the task schedule deletion



- 4** Click on the “OK” button to confirm the task deletion.

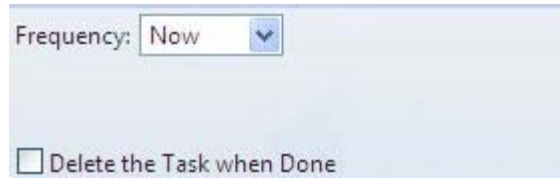
5.3.4 Managing the task schedule frequency


NETASQ Event Analyzer allows the administrator to define several frequencies: now, once, daily, weekly or monthly.

The parameters used to define the frequency depend on the selected type.

5.3.4.1 Now

The task will run immediately within a minute maximum.



Frequency: Now 

☐ Delete the Task when Done

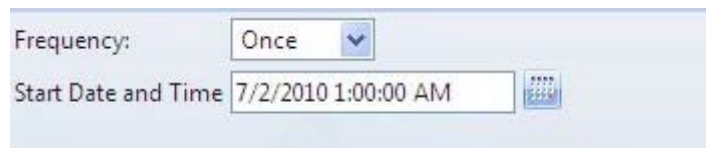



NOTE


Select the **Delete Task when Done** check box if you do not wish to keep this scheduled task.

5.3.4.2 Once

The task will run only once at the specified date and time.



Frequency: Once 

Start Date and Time 7/2/2010 1:00:00 AM 

Specify the **Start Date and Time**. The task will be saved until you decide to delete it later.

5.3.4.3 Daily

The task will run everyday starting at the specified date and time.



Frequency: Daily 

Start Date and Time 7/2/2010 1:00:00 AM 

☐ End Date 7/6/2010 

Run the Scheduled Task every 1 Day(s)

Specify the **Start Date and Time**

Specify an **End Date** if necessary.

Define whether the task must be run everyday or every X days via the field **Run the Scheduled Task every x Day(s)**.

5.3.4.4 Weekly

The task will run each week starting at the specified day and time.

The screenshot shows a task scheduling window for a weekly task. The 'Frequency' dropdown is set to 'Weekly'. The 'Start Date and Time' is '7/2/2010 1:00:00 AM'. The 'End Date' is '7/6/2010'. The 'Run the Scheduled Task every' field is '1' week(s). The 'Week(s) on' section has checkboxes for Monday (checked), Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.

Specify the **Start Date and Time**.

Specify an **End Date** if necessary.

Define whether the task must be run every week or every X weeks via the field **Run the Scheduled Task every x Week(s)**.

Specify which **day(s) of the Week** you need to run this scheduled task by selecting the check boxes representing the days of the week as appropriate.

5.3.4.5 Monthly

The task will run each month starting at the specified date and time.

In this example **Monthly** will be selected.

The screenshot shows a task scheduling window for a monthly task. The 'Frequency' dropdown is set to 'Monthly'. The 'Start Date and Time' is '7/2/2010 1:00:00 AM'. The 'End Date' is '7/6/2010'. The 'Run the Scheduled Task' section has two radio buttons: 'The 1 of a Month' (selected) and 'The First Monday of a Month'. Below this, the 'Run the Scheduled Task on the Following Months:' section has checkboxes for all twelve months (January through December), all of which are checked.

Specify the **Start Date and Time**.

Specify an **End Date** if necessary.

Select which **day of the month** the task must be run (between 1 and 31).

Select the day of the week (between Monday to Sunday) and the position of this week in the month (between First, Second, Third, Fourth or Last).

Select the **Run the Scheduled Task on the following Months** check boxes as appropriate, by selecting the required months of the year.

6 WEB PARTS MANAGEMENT

6.1 DESCRIPTION

The Web Parts feature in the NETASQ Event Analyzer web portal allows the administrator to configure the display of different kinds of information. The web part is displayed in a right panel tab, alone or in addition to home pages, as shown in the screen below:



As displayed below, the web part tab is divided into several areas:



The web part area may contain the following kind of information:

- Information
- Highlight
- RSS feed

The content to display in these areas can be generated from the Content builder menu or by configuring an alert for a task (see section [5.2.1.1 Working with the alert](#))

6.1.1 Web parts publication

In order to publish a NETASQ Event Analyzer web part, an administrator has to follow the steps below:

- 1 Associate a web part with an area in the page
- 2 Publish the created web parts to display them in the page

6.2 CREATING A WEB PART

Creating a web part allows the administrator to design the web part page.

To access the NETASQ Event Analyzer web part creation:

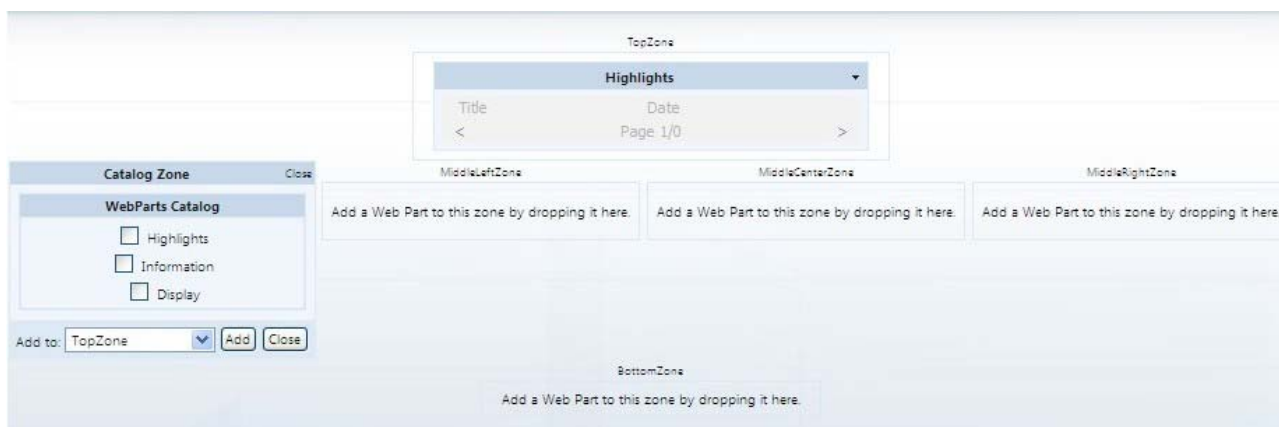
- Click on the menu Web Part Configuration



- Click on the “New” button. The following screen will appear in the right panel.



- In the “WebParts catalog” select the content type to display in the web part page
- From the drop down list “Add to”, choose select the display area.
- Click on the “Add” button. The selected area will be updated according to the selected content type.



- Add as many other web parts as needed


NOTE

You can modify the display configuration of each web part. To do so, please refer to the section [6.3.1 Configuring the web part design](#)

- In the “Web Part Configuration” menu, click on the “Finish” button to finish creating the web parts

6.3 EDITING A WEB PART

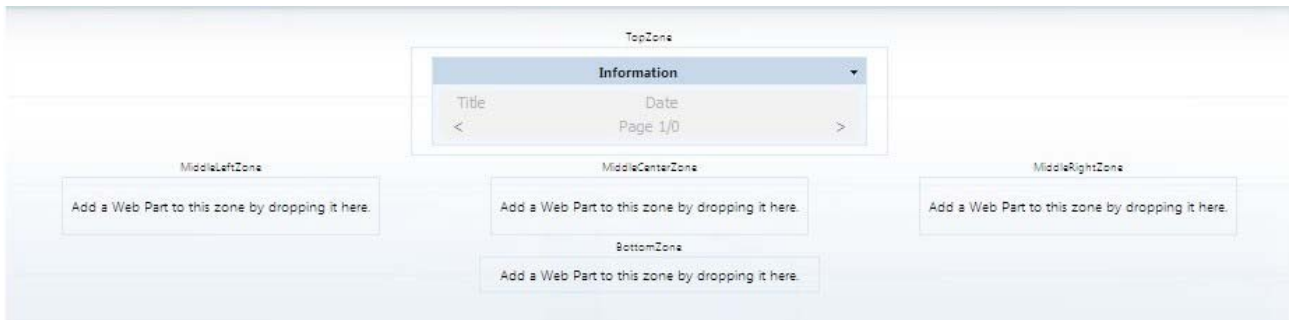
Editing a web part allows the administrator to modify the display of the web part page.

To access the NETASQ Event Analyzer web part edition:

- Click on the menu Web Part Configuration



- 1 Click on the “Edit” button. The following screen will appear in the right panel.



- 2 Modify the web part display by changing the zone of a web part or by configuring the appearance design.

**NOTE**

To modify the display appearance, please refer to the section [6.3.1 Configuring the web part design](#)

- 3 In the “Web Part Configuration” menu, click on the “Finish” button to finish editing web parts.

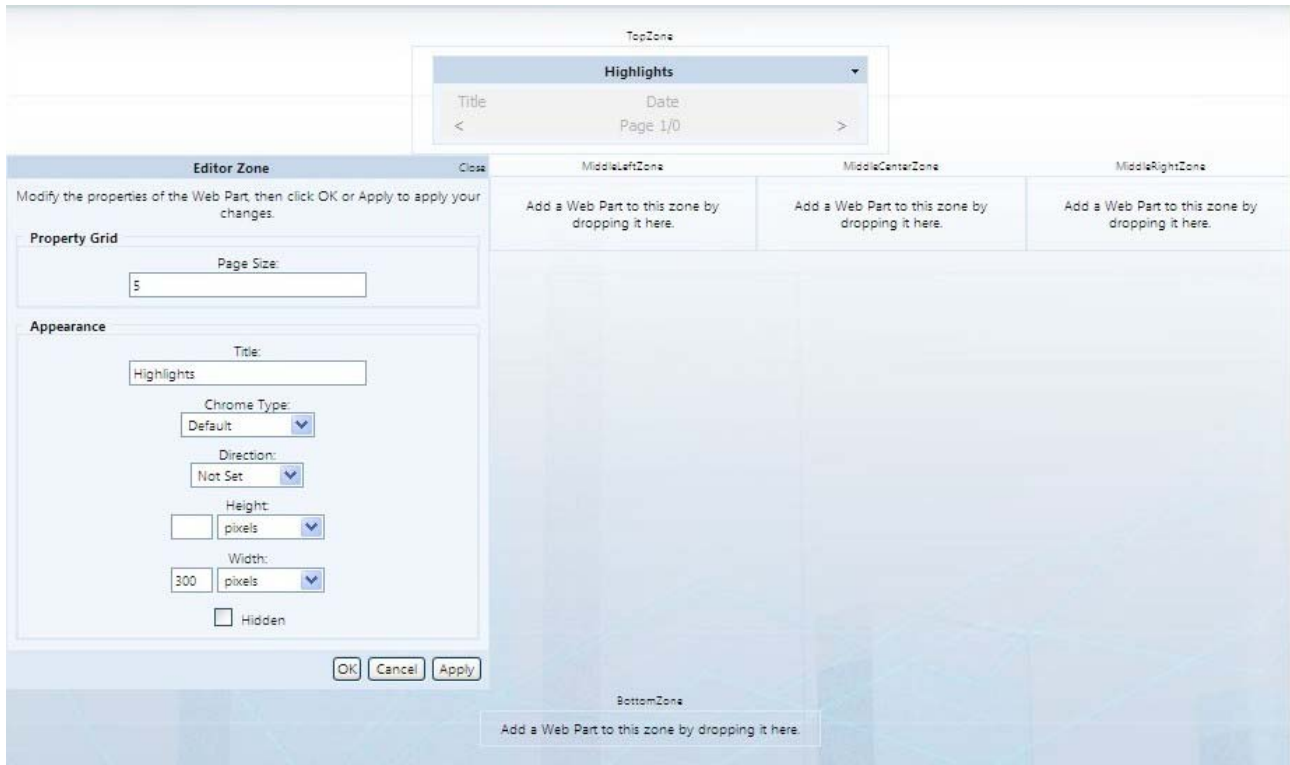
6.3.1 Configuring the web part design

To configure the design of a web part:

➤ From the menu Web Part Configuration/New Or Web Part Configuration/Edit

- 1 Select the web part to design
- 2 Click on the black arrow to the right of the content area to modify
- 3 Click on the “Edit” command.

The Editor zone will appear in the right panel.

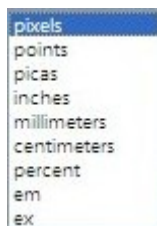


4 Set the parameters according to the explanations provided in the table below:

Field	Description
Page Size	<p>Sets the number of records to display in the web part content area.</p> <p>NOTE This value is only relevant for the “Highlights” or “Information” content areas. It is related to the number of records to display for each page. If the contents to display exceed the specified number, the web part content area will provide links to manage several pages.</p>
Title	Provides a title to the web part content area
Chrome Type	Selects the appearance of the web part content area by choosing one of the following values: Default, Title and Border, Title Only, Border Only or None.
Direction	Selects the direction of the web part content area by choosing one of the following values: Not Set, Left to right or Right to left.
Height	<p>Sets a value for the height of the web part content area.</p> <p>NOTE This value is only relevant for a Display content area. Indeed, for “Highlights” and “Information” contents, the height of the web part depends on the number of records to display.</p>
Width	Sets a value for the width of the web part content area.

NOTE

For the Height and Width parameters, the pixel unit can be changed to other units by using the drop down list displayed below:



5 Click on the "Apply" button to check the changes.

WARNING

In certain cases, the "Apply" button will not immediately display the new appearance. You must click on "OK" and then "Finish" in order to see the result.

6 Click on the "OK" button to close the web part editor zone.

7 Click on the "Finish" button to finish editing the web part. The new Web Part will appear but then needs to be published.

**6.3.1.1 Specific design parameters**

Some design parameters depend on the web part content type. The table below lists those parameters and provides a description:

Field	Content type	Description
Page Size	Highlight Information	Defines the number of records to display per page in the web part content area.
URL to display	Display	Sets the content URL that should be displayed in the web part content area. For instance, paste the URL copied from the report screen.
Optional URL for Title	Display	Sets a URL that would be linked to the title of the web part display area.
Category	Information	This parameter is linked to the attribute "Category" set during the "Information" content builder phase. If "Information" contents have been created, choose one, several or all categories that should be displayed in the web part content area.

6.4 PUBLISHING A WEB PART

The web part publishing allows the administrator to display content in the web part tab.

To access the NETASQ Event Analyzer web part publication:

➡ Click on the menu `Web Part Configuration`

Web Part Configuration

Web Parts:
New
Edit
Publish

- Click on the "Publish" button. The following screen will appear in the right panel.

[Add a Web Part to publish](#)

- Click on the link "Add a Web Part to publish". The following screen will appear in the right panel:

Information

Web Parts:

Title:
Information

Link:

BottomZone
MiddleCenterZone
MiddleLeftZone
MiddleRightZone
TopZone

☒ Everybody
☐ Groups
☐ Users

Add
Finish

NOTE

The appearance depends on the number of web part areas created.

- Select the web part content to publish.
- Modify the "Title" or the "Link" parameters if needed.

NOTE

By default, everyone who logs into the web portal can view the content being published ("Users" and "Groups" parameters are for future use).



- Click on the button "Add". The following message will appear:

Add
Finish

The Web Part has been successfully exported.

- Click on the "Finish" button to finish publishing the web part. The list of published Web Parts appears in the right panel.

Add a Web Part to publish						
#	Title	Publication Date	Zone	Groups	Users	
	Highlights	7/6/2010 5:56:00 PM	TopZone			

7 Use the icons  or  to either respectively modify the publication or remove published web part content.

NOTE

By removing a web part content publication, the administrator will be prompted to confirm the removal of the publication.

8 Click on the "Finish" button to finish publishing the web part.



NOTE



By clicking on the NETASQ logo in the top left corner of the NETASQ Event Analyzer Web Portal, you can go back to the Home Page and display the result. The Web Part appears in a new Web Parts tab in the right panel.

6.5 DELETING A WEB PART

Deleting a web part allows the administrator to remove a web part object. The area will be permanently removed from the web part tab.

To access the NETASQ Event Analyzer web part deletion:

- Click on the menu Web Part Configuration



1 Click on the "Edit" button. The following screen will appear in the right panel.

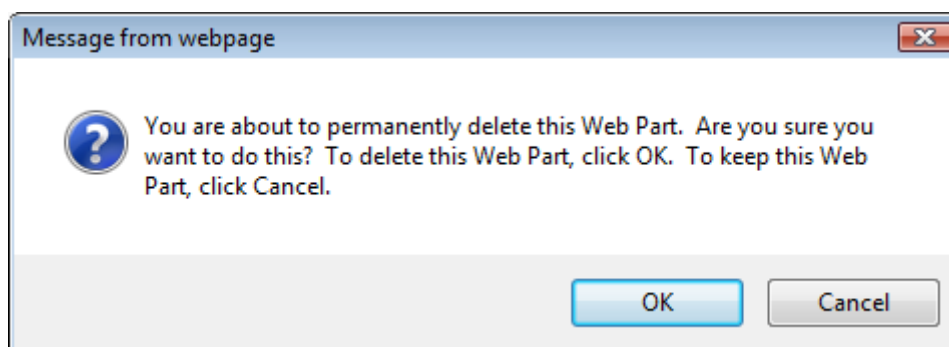
NOTE

The web part area to be removed should be previously unpublished. To remove a web part area from the publication, please refer to the section [6.4 Publishing a Web part](#).

2 Select the web part area to delete

3 Click on the black arrow to the right of the content area to delete

4 Click on the "Delete" command. The administrator will be prompted to confirm



5. Click on "OK" to confirm the web part area deletion.
6. Click on "Finish" to finish deleting the the web part area



7 CONTENT BUILDER

7.1 DESCRIPTION

The Content Builder feature in the NETASQ Event Analyzer web portal allows the administrator to manage the contents to display either in the Web part component or in the NETASQ Event Analyzer RSS feed.



By using the Content Builder feature in the NETASQ Event Analyzer web portal, an administrator will be able to:

- Create “Information” or “Highlight” contents for web part display purposes
- Create RSS content that will be carried in the NETASQ Event Analyzer RSS feed
- Edit the created contents
- Delete created contents
- Purge the information displayed in the web part
- Purge the information of the RSS feed

Some contents may be automatically generated by a scheduled task. The administrator can consult the Content Builder to check if the expected record has been added successfully.

7.1.1 Working with the parameters

When creating or editing content, an administrator will have to set a date and a URL.

The **Date** field's contents can be used by the “Purge” command later.

NOTE

For more information about the date, please refer to the section [4.1.2 Working with the date](#).

For more information about the purge command, please refer to the section [7.1.2 Purge contents](#).

The URL will help the administrator to provide access to a report from the contents of the web part tab. To set the URL, the administrator has to copy the report URL in the clipboard and paste it in the appropriate field.

NOTE

For more information on copying URLs in the clipboard, please refer to the section [4.1.3 Working with reports](#).

7.1.2 Purge contents

An administrator can purge obsolete content which is older than a specified number of days.

To access the “Purge Contents” feature

- Go to the Content Builder menu and click on the kind of information to purge (Information Feed or Highlights Feed)

The screen for managing the content will appear in the right panel.

Add an Information feed to publish [Purge existing Information feeds](#)

#	Date	Category	Title	Text	Icon	URL	Groups	Users
	7/6/2010 6:12:00 PM	Information	Last Report	This is the last generated fir...		http://server_name/dvweb/Displ...		
	7/6/2010 6:09:00 PM	Information	General Highligh	These are general highlights		eventanalyzer.intranet.mycompa...		

- 1 At the top of the right panel, click on the link **Purge existing Information feeds**.

NOTE

Depending on the kind of content to manage, the name of the link may be different:

- “Purge existing Information feeds” for Information feeds
- “Purge existing Highlights feeds” for Highlight feeds
- “Purge existing RSS feeds” for RSS feeds

The following screen will appear in the right panel:

Number of days to keep:

- 2 Enter the **Number of days to keep**.

- 3 Click on the **Purge** button.

The right panel will display a message indicating the status of the command

Number of days to keep:
 The Information items have been purged successfully.



- 4 Click on the **Finish** button.

7.2 WORKING WITH THE INFORMATION FEED

To manage the information feed:

- From the menu Content Builder/Information Feed

The information feeds appear in the right panel.


Add an Information feed to publish Purge existing Information feeds									
#	Date	Category	Title	Text	Icon	URL	Groups	Users	
	7/6/2010 6:12:00 PM	Information	Last Report	This is the last generated fir...		http://server_name/dvweb/Displ...			
	7/6/2010 6:09:00 PM	Information	General Highlighth	These are general highlights		eventanalyzer.intranet.mycompa...			

7.2.1 Creating an information feed

From the menu Content Builder/Information Feed, follow the steps below:

- Click the link **Add an Information feed to publish** at the top of the information feed screen in the right panel.

The following screen will appear in the right panel:

Date: 

Category:

Title:

Text:

Icon:

URL:

☒ Everybody
☐ Groups
☐ Users

Add Finish

- Set the parameters for the new information feed as appropriate.

- Click on the 'Add' button.

The right panel will display a message indicating the status of the command.

Add Finish

The information has been added successfully.

- Click on the 'Finish' button.

To check the content display that an administrator has just created, he can click on the **NETASQ** icon in the top left corner of the Web Portal to go back to the Home Page and click on the **Web Part** tab. The new information feed will be displayed:

Information	
Title	Date
General Highliqth	7/6/2010
Last Report	7/6/2010
Page 1/1	

7.2.2 Editing an information feed

From the menu Content Builder/Information Feed, follow the steps below:

- 1 Click on the **Edit** icon to the left of the information feed to edit.

The following screen will appear in the right panel:

Add an Information feed to publish [Purge existing Information feeds](#)

#	Date	Category	Title	Text	Icon	URL	Groups	Users
	7/6/2010 6:12:00 PM	Information	Last Report	This is the last generated fir...		http://server_name/dvweb/Displ...		

Date:

Category:

Title:

Text:

Icon:

URL:

☒ Everybody


☐ Groups

☐ Users

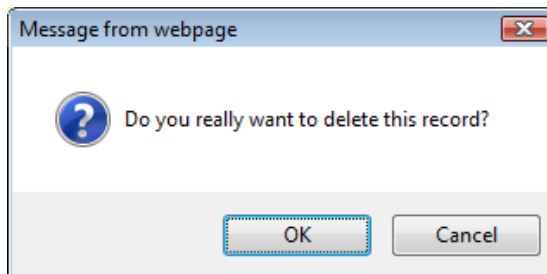
- 2 Modify the fields as necessary.
- 3 Click the **OK** icon to confirm your modifications.

7.2.3 Deleting an information feed

From the menu Content Builder/Information Feed, follow the steps below:

- 1 Click the **Remove** icon  to the left of the information feed to delete.

The following screen will appear in the right panel:




- 2 Click on **OK** to continue.

7.3 WORKING WITH THE HIGHLIGHT FEED TABLE

To manage the information feed:

- From the menu Content Builder/Highlight Feed

The highlight feeds appear in the right panel.

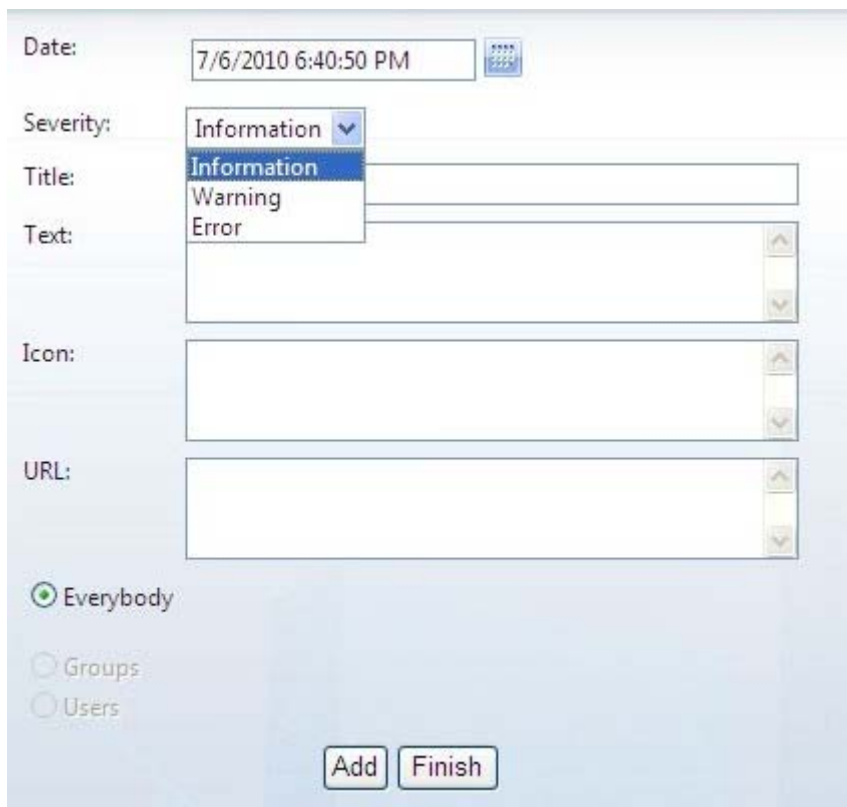
Add a Highlight feed to publish Purge existing Highlight feeds									
#	Date	Severity	Title	Text	Icon	URL	Groups	Users	
	7/6/2010 6:18:00 PM	1	Vulnerability report	This is the last vulnerability...		http://server_name/dvweb/Displ...			

7.3.1 Creating a highlight feed

From the menu Content Builder/ Highlight Feed, follow the steps below:

- 1 Click on the link **Add an Information feed to publish** at the top of the information feed screen in the right panel.

The following screen will appear in the right panel:

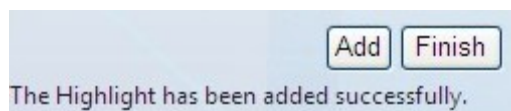


The screenshot shows a form for creating a new information feed. It includes fields for Date (7/6/2010 6:40:50 PM), Severity (Information), Title, Text, Icon, and URL. There are also radio buttons for 'Everybody', 'Groups', and 'Users'. At the bottom, there are 'Add' and 'Finish' buttons.

2 Set the parameters for the new information feed as appropriate.


3 Click on the button '**Add**'.

The right panel will display a message indicating the status of the command.




4 Click on the '**Finish**' button.

To check the content display that an administrator has just created, he can click on the **NETASQ** icon in the top left corner of the Web Portal to go back to the Home Page and click on the **Web Part** tab. The new information feed will be displayed:

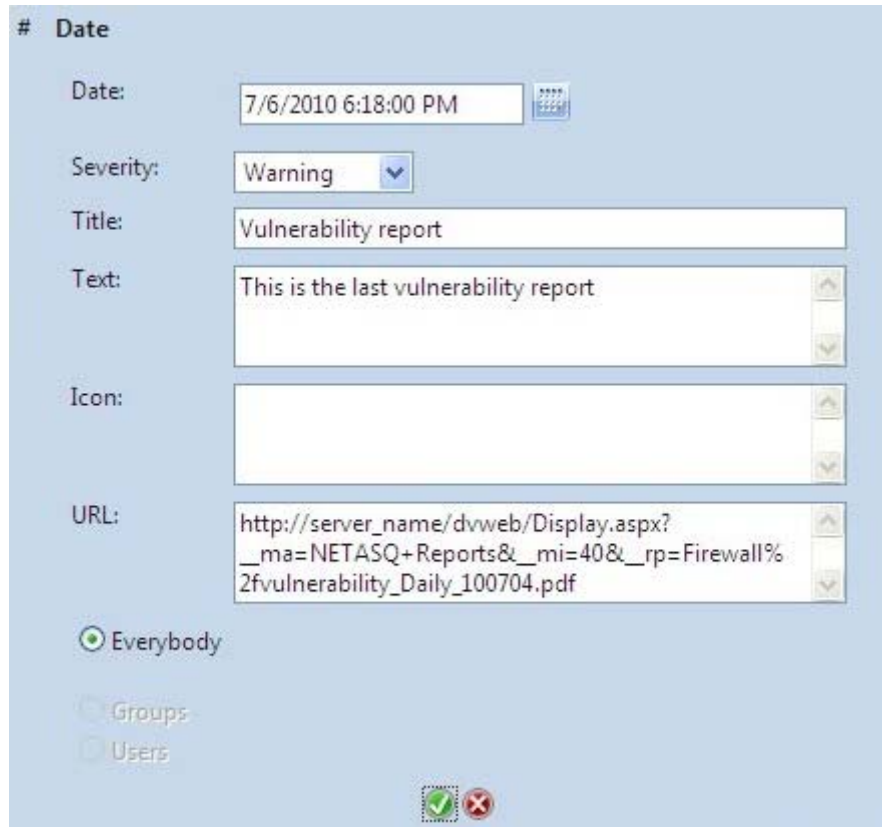
Highlights	
Title	Date
 Vulnerability report	7/6/2010
Page 1/1	


7.3.2 Editing a highlight feed

From the menu Content Builder/Highlight Feed, follow the steps below:

- 1 Click on the **Edit** icon  to the left of the highlight feed to edit.


The following screen will appear in the right panel:



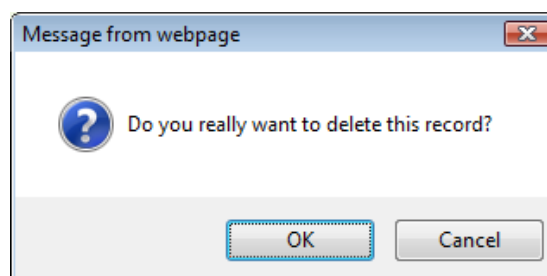
- 2 Modify the fields as necessary.
- 3 Click on the  **OK** icon to confirm your modifications.

7.3.3 Deleting an information feed

From the menu Content Builder/Highlight Feed, follow the steps below:

- 1 Click on the **Remove** icon  to the left of the highlight feed to delete.

The following screen will appear in the right panel:



- 2 Click on **OK** to continue.

7.4 WORKING WITH THE RSS FEED TABLE

The RSS feed feature in NETASQ Event Analyzer allows the end user to be aware of the content publication. The use of NETASQ Event Analyzer RSS feed requires:

- End user subscription to RSS feed
- Content generation through RSS

7.4.1 Subscribing to the RSS feed

To subscribe to the NETASQ Event Analyzer RSS feed:

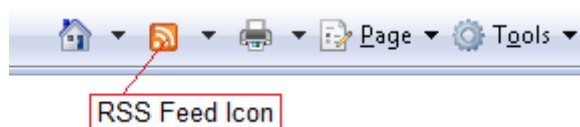
- From your browser, set the URL <http://servername/dvweb/dvrss.ashx>

NOTE

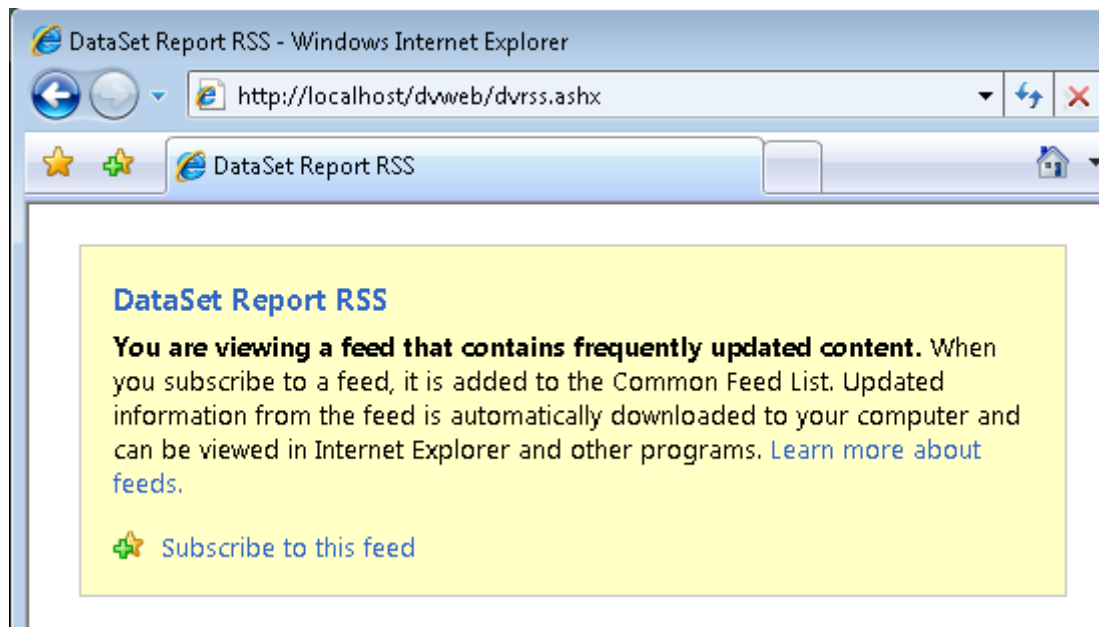
“server_name” can be the hostname, the IP Address or the domain name of the server that runs the NETASQ Event Analyzer solution.

NOTE

From the NETASQ Event Analyzer toolbar, you can click on the RSS feed icon.



The DataSet Report RSS feed appears.



- 1 Click on **Subscribe to this feed** if you want to add this RSS Feed to your Feed Headlines gadget.

The following screen will appear:



2 Set the parameters of the RSS feed you want to create

3 Click on the '**Subscribe**' button.

7.4.2 Creating an RSS feed record

From the menu Content Builder/RSS Feed, follow the steps below:

1 Click on the link **Add an RSS feed to publish** at the top of the RSS feed screen in the right panel.

The following screen will appear in the right panel:

A screenshot of a web form for creating an RSS feed. The form has several input fields: 'Publication Date' with a date and time '7/6/2010 6:40:37 PM', 'Category', 'Title', 'Description' (with a text area and scrollbars), and 'Link' (with a text area and scrollbars). Below these fields are three radio buttons labeled 'Everybody', 'Groups', and 'Users', with 'Everybody' selected. At the bottom of the form are two buttons: 'Add' and 'Finish'.

2 Set the parameters for the new RSS feed as appropriate.

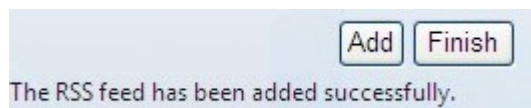


NOTE

The **Category** text box can remain empty (optional).

- 3 Click on the button **Add**.


The right panel will display a message indicating the status of the command.



- 4 Click **Finish**.


7.4.3 Editing an RSS feed

From the menu Content Builder/Highlight Feed, follow the steps below:

- 1 Click on the **Edit** icon  to the left of the RSS Feed to edit.

The following screen will appear in the right panel:

A light blue form titled '# Publication Date'. It contains several input fields: 'Publication Date' with a date/time picker showing '7/6/2010 6:20:00 PM'; 'Category' with a dropdown menu showing 'Firewall Report'; 'Title' with a text box containing 'Last firewall report'; 'Description' with a text area containing 'this is the last firewall reprot'; and 'Link' with a text box containing a long URL. Below the link field are three radio buttons: 'Everybody' (selected), 'Groups', and 'Users'. At the bottom right of the form are two circular icons: a green checkmark and a red X.

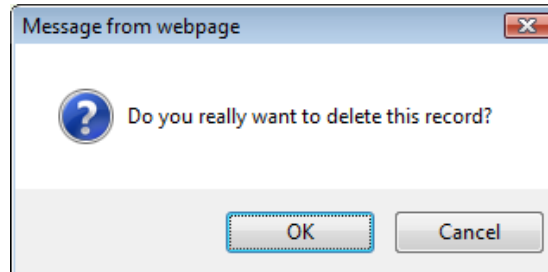
- 2 Modify the fields as necessary.
- 3 Click on the  **OK** icon to confirm your modifications.

7.4.4 Deleting an RSS feed

From the menu Content Builder/RSS Feed, follow the steps below:

- 1 Click on the **Remove** icon  to the left of the RSS Feed to delete.

The following screen will appear in the right panel:



- 2 Click on **OK** to continue.

8 WEB SERVER ADMINISTRATION

The Web Server Administration feature in NETASQ Event Analyzer allows the administrator to check the number and the type of connected users.


Web Portal License 0 / 0 CAL(s) 1 / 10 Concurrent(s) (AllowClientAccess)					
#	License	Product	Name	IP	Lifetime
	Concurrent	WebPortal	ADMIN	10.2.0.1	6/3/2010 3:40:42 PM

The Web Server Administration table displays the following:

License type	For NETASQ Event Analyzer, only "Concurrent Users" is displayed.
Product	For NETASQ Event Analyzer, only "Web portal" is displayed.
User Name	The connected user's User ID.
IP Address	IP of the connected user computer. (IPV4 or IPV6).
Lifetime	This information gives the date and time when the user will be disconnected if there is no activity on the Web Portal.

NOTE

After 10 minutes without activity, a concurrent user will be disconnected. The "Lifetime" displays the last lifetime that was valid before the timeout.





The Administrator can disconnect any user from this screen using the  **Remove** icon. This is useful if you want to manage concurrent access on the web portal.



At the top of this screen, the administrator can see how many concurrent user(s) are connected and the maximum number of users authorized by the license certificate.

9 WORKING WITH DATE KEYWORDS

9.1 INVARIANT PREDEFINED FUNCTIONS

Invariant functions are keywords or expressions that can be understood by NETASQ Event Analyzer regardless of your PC's regional language settings.

Function	Range for x	Comment
HOURS		
 NOTE: in INVARIANT mode, "hours" are always expressed in plural even if the value is x=0 or x=1.		
x hours ago	0 - 12	The number of hours beginning from the time specified in the past from XX:00:00 to XX:59:59.
in x hours	0 - 12	The number of hours to the time specified in the future from XX:00:00 to XX:59:59.
since x hours	0 - 12	The period beginning from the time specified in the past at XX:00:00 up to now.
until x hours	1 - 12	The interval from now to the end of the period specified in the future at XX:59:59.
DAYS		
 NOTE: in INVARIANT mode, "days" are always expressed in plural even if the value is x=0 or x=1.		
x days ago	0 - 7	The number of days in the past from 00:00:00 to 23:59:59.
in x days	0 - 7	The number of days in the future from 00:00:00 to 23:59:59.
since x days	0 - 7	The number of days beginning from the day specified in the past from 00:00:00 up to now.
until x days	1 - 7	The number of days from now up to the end of the period specified in the future at 23:59:59.
WEEKS		
 NOTE: in INVARIANT mode, weeks are always expressed in plural even if the value is x=0 or x=1.		
x weeks ago	0 - 7	The number of weeks beginning from the week specified in the past from YYYYMMDD 00:00:00 to YYYYMMDD 23:59:59.
in x weeks	0 - 7	The number of weeks to the week specified in the future from YYYYMMDD 00:00:00 to YYYYMMDD 23:59:59.
since x weeks	0 - 7	The number of weeks beginning from the first day of the week specified in the past at 00:00:00 up to now.
until x weeks	1 - 7	The number of weeks from now to the end of the last day of the week specified in the future at 23:59:59.
MONTHS		
 NOTE: in INVARIANT mode, months are always expressed in plural even if the value is x=0 or x=1.		
x months ago	0 - 12	The number of months from the first day of the month specified in the past

		from YYYYMM01 00:00:00 to YYYYMM31 23:59:59.
in x months	0 - 12	The number of months to the first day of the month specified in the future from YYYYMM01 00:00:00 to YYYYMM31 23:59:59.
since x months	0 - 12	The number of months beginning from the first day of the month specified in the past at 00:00:00 up to now.
until x months	1 - 12	The number of months from now up to the end of the last day of the month specified in the future at 23:59:59.
QUARTER		
 NOTE: in INVARIANT mode, “quarters” are always expressed in plural even if the value is x=0 or x=1.		
q1 or Q1		Uses the date interval for the First Quarter of the current year from YYYY0101 00:00:00 to YYYY0331 23:59:59.
q2 or Q2		Uses the date interval for the Second Quarter of the current year from YYYY0401 00:00:00 to YYYY0630 23:59:59.
q3 or Q3		Uses the date interval for the Third Quarter of the current year from YYYY0701 00:00:00 to YYYY0930 23:59:59.
q4 or Q4		Uses the date interval for the Fourth Quarter of the current year from YYYY1001 00:00:00 to YYYY1231 23:59:59.
x quarters ago	1 - 4	The number of quarters from the first day of the quarter specified in the past from YYYYMM01 00:00:00 to the last day of the same quarter at YYYYMM31 23:59:59.
in x quarters	1 - 4	The number of quarters to the first day of the quarter specified in the future from YYYYMM01 00:00:00 to the last day of the same quarter at YYYYMM31 23:59:59.
qx 2004 <---> qx 2013	1 - 4	Uses the date interval for the specified Quarter of the specified year from YYYY0101 00:00:00 to YYYY0331 23:59:59. (Note that the year can be between 2004 and 2013 in the current NETASQ Event Analyzer version 10.0.0 but will support any year in a future version).
YEARS		
 NOTE: in INVARIANT mode, “years” are always expressed in plural even if the value is x=0 or x=1.		
x years ago	0 - 10	The number of years from the first day of the year specified in the past at YYYY0101 00:00:00 to YYYY1231 23:59:59.
in x years	0 - 10	The number of days to the first day of the year specified in the future at YYYY0101 00:00:00 to YYYY1231 23:59:59.
since x years	0 - 10	The number of years beginning from the first day of the year specified in the past at YYYY0101 00:00:00 up to now.
until x years	1 - 10	The number of years from now up to the end of the last day of the year specified in the future at YYYY1231 23:59:59.

9.2 STANDARD DAYS AND MONTHS FUNCTIONS BY LANGUAGE

In the following table the first column is the same for Invariant or English, other available languages can be used according to your PC's regional language settings:

Invariant and English	%s is a	French	German	Spanish	Catalan	Italian	Swedish
Days		Jours	Tags	Dias	Dies	Giorni	Dagar
DAY FROM LAST WEEK							
last %s	Day name	%s semaine dernière	%s letzter wochse	%s semana pasada	%s setmana passada	%s settimana scorsa	%s förra vecka
DAY NEXT WEEK							
next %s	Day name	%s en huit	%s kommender woche	%s semana próxima	de %s en vuit	%s settimana prossima	%s nästa vecka
NEXT COMING DAY							
coming %s	Day Name	%s prochain	nächster %s	próximo %s	proper %s	%s prossimo	nästa %s
LAST MOST RECENT DAY							
most recent %s	Day Name	%s dernier	letzter %s	%s pasado	%s passat	%s scorso	i %ss
SINCE A DAY							
since %s	Day Name	depuis %s	seit %s	desde %s	des de %s	da %s	sedan %s
UNTIL A DAY							
until %s	Day Name	jusqu'a %s	bis %s	hasta %s	fins %s	fino a %s	till %s
Months		Mois	Monaten	Meses	Mesos	Mesi	Månader
NEXT MONTH IN NEXT YEAR							
next %s	Month Name	%s année prochaine	%s kommendes Jahr	%s año próximo	%s proper any	%s anno prossimo	%s nästa året
MONTH OF PREVIOUS YEAR							
last %s	Month Name	%s année dernière	%s letztes jahr	%s año pasado	%s any passat	%s anno scorso	%s förra året
NEXT COMING MONTH							
coming %s	Month Name	%s prochain	nächster %s	próximo %s	proper %s	%s prossimo	nästa %s
MOST RECENT MONTH							
most recent %s	Month Name	%s dernier	letzter %s	%s pasado	%s passat	%s scorso	i %ss
SINCE A MONTH							
since %s	Month Name	depuis %s	seit %s	desde %s	des de %s	da %s	sedan %s
UNTIL A MONTH							
until %s	Month Name	jusqu'a %s	bis %s	hasta %s	fins %s	fino a %s	till %s

9.3 OTHER HOUR FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
HOURS		HEURES	STUNDEN	HORAS	HORES	ORE	TIMMAR
last hour		dernière heure	Letzte Stunde	hora anterior	hora anterior	ultima ora	förra timmen
this hour		cette heure	Diese Stunde	esta hora	aquesta hora	quest ora	denna timme
next hour		prochaine heure	Nächste Stunde	hora siguiente	hora següent	prossima ora	nästa timme
0 hours ago / this hour		il y a 0 heures / cette heure	Vor 0 Stunden / Diese Stunde	hace 0 horas / esta hora	fa 0 hores / aquesta hora	0 ore fa / quest ora	0 timmar sedan / denna timme
1 hour ago / last hour		il y a 1 heure / dernière heure	Vor 1 Stunde / Letzte Stunde	hace 1 hora / hora anterior	fa 1 hora / hora anterior	1 ora fa / ultima ora	1 timme sedan / förra timme
x hours ago	2 - 12	il y a x heures	Vor x Stunden	hace x horas	fa x hores	x ore fa	x timmar sedan
in 0 hours / this hour		dans 0 heures / cette heure	In 0 Stunden / Diese Stunde	en 0 horas / esta hora	en 0 hores / aquesta hora	in 0 ore / quest ora	om 0 timmar / denna timme
in 1 hour / next hour		dans 1 heure / prochaine heure	In 1 Stunde / Nächste Stunde	en 1 hora / hora siguiente	en 1 hora / hora següent	in 1 ora / prossima ora	om 1 timme / nästa timme
in x hours	2 - 12	dans x heures	In x Stunden	en x horas	en x hores	in x ore	om x timmar
since 0 hours / since this hour		depuis 0 heures	Seit 0 Stunden	desde 0 horas	des de 0 hores	da 0 ore	sedan 0 timmar
since 1 hour / since last hour		depuis 1 heure / depuis la dernière heure	Seit einer Stunde / Seit 1 Stunde	desde 1 hora / desde la hora anterior	des d'1 hora / des de l' hora anterior	da ultima ora / da 1 ora	sedan sista timme / sedan 1 timme
last x hours	2 - 12	depuis x heures	Seit x Stunden	desde x horas	des de x hores	da x ore	sedan x timmar
until 1 hour		jusque dans 1 heure	Bis einer Stunde / Bis 1 Stunde	hasta 1 hora / hasta la hora siguiente	fins 1 hora / fins l' hora següent	fino a 1 ora / fino a ora prossima	till 1 timme
until x hours	2 - 12	jusque dans x heures	Bis x Stunden	hasta x horas	fins x hores	fino a x ore	till x timmar

9.4 OTHER DAY FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
DAYS		JOURS	TAGS	DIAS	DIES	GIORNI	DAGAR
yesterday		hier	Gestern	ayer	ahir	ieri	igår
today		aujourd'hui / ce jour	Heute	hoy	avui	oggi	idag
tomorrow		demain	Morgen	mañana	demà	domani	imorgon
0 days ago /		il y a 0 jours / aujourd'hui /	Vor 0 Tagen	hace 0 días /	fa 0 dies /	0 giorni fa /	0 dagar

today		ce jour	/ Heute	hoy	avui	oggi	sedan / idag
1 day ago / yesterday		il y a 1 jour / hier	Vor 1 Tag / Gestern	hace 1 día / ayer	fa 1 dia / ahir	1 giorno fa / ieri	1 dag sedan / igår
x days ago	2 - 7	il y a x jours	Vor x Tagen	hace x días	fa x dies	x giorni fa	x dagar sedan
in 0 days / today		dans 0 jours / aujourd'hui / ce jour	In 0 Tagen / Heute	en 0 días / hoy	en 0 dies / avui	in 0 giorni / oggi	om 0 dagar / idag
in 1 day / tomorrow		dans 1 jour / demain	In 1 Tag / Morgen	en 1 día / mañana	en 1 dia / demà	in 1 giorno / domani	om 1 dag / imorgon
in x days	2 - 7	dans x jours	In x Tagen	en x días	en x dies	in x giorni	om x dagar
since 0 days / since today		depuis 0 jours / depuis ce jour / depuis aujourd'hui	Seit 0 Tagen / Seit Heute	desde 0 días / desde hoy	des de 0 dies / des d'avui	da 0 giorni / da oggi	sedan 0 dagar / sedan idag
since 1 day / since yesterday		depuis 1 jour / depuis hier	Seit 1 Tag / Seit Gestern	desde 1 día / desde ayer	des d'1 dia / des d'ahir	da 1 giorno / da ieri	sedan 1 dag / sedan igår
last x days	2 - 7	depuis x jours	Seit x Tagen	desde x días	des de x dies	da x giorni	sedan x dagar
until 1 day / until tomorrow		jusque dans 1 jour / jusqu'à demain	Bis 1 Tag / Bis Morgen	hasta 1 día / hasta mañana	fins 1 dia / fins demà	fino a 1 giorno / fino a domani	till 1 dag / till imorgon
until x days	2 - 7	jusque dans x jours	Bis x Tagen	hasta x días	fins x dies	fino a x giorni	till x dagar

9.5 OTHER WEEK FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
WEEKS		SEMAINES	WOCHEN	SEMANAS	SEMANES	SETTIMANE	VECKOR
last week		semaine dernière	Letzte Woche	semana pasada / semana anterior	setmana passada / setmana anterior	settimana scorsa	förra vecka
this week		cette semaine	Diese Woche	esta semana / semana actual	aquesta setmana / setmana actual	questa settimana	denna vecka
next week		semaine prochaine	Nächste Woche	semana próxima / semana siguiente	propera setmana / setmana següent	settimana prossima	nästa vecka
0 weeks ago / this week		il y a 0 semaines / cette semaine	Vor 0 Wochen / Diese Woche	hace 0 semanas / esta semana	fa 0 setmanes / esta setmana	0 settimane fa / questa settimana	0 veckor sedan / denna vecka
1 week ago / last week		il y a 1 semaine / semaine dernière	Vor 1 Woche / Letzte Woche	hace 1 semana / semana pasada	fa 1 setmana / setmana passada	1 settimana fa / settimana scorsa	1 vecka sedan / förra vecka
x weeks ago	2 - 7	il y a x semaines	Vor x Wochen	hace x semanas	fa x setmanes	x settimane fa	x veckor sedan
in 0 weeks /		dans 0	In 0	en 0 semanas	en 0 setmanes	in 0 settimane	om 0

this week		semaines / cette semaine	Wochen / Diese Woche	/ esta semana	/ esta setmana	/ questa settimana	veckor / denna vecka
in 1 week / next week		dans 1 semaine / semaine prochaine	In 1 Woche / Nächste Woche	en 1 semana / semana próxima	en 1 setmana / propera setmana / setmana següent	in 1 settimana / settimana prossima	om 1 vecka / nästa vecka
in x weeks	2 - 7	dans x semaines	In x Wochen	en x semanas	en x setmanes	in x settimane	om x veckor
since 0 weeks / since this week		depuis 0 semaines / depuis cette semaine	Seit 0 Wochen	desde 0 semanas / desde esta semana	des de 0 setmanes / des d'aquesta setmana	da 0 settimane	sedan 0 veckor
since 1 week / since last week		depuis 1 semaine / depuis la semaine dernière	Seit 1 Woche	desde 1 semana / desde la semana pasada	des d'1 setmana / des de la setmana passada	da 1 settimana	sedan 1 vecka
since x weeks	2 - 7	depuis x semaines	Seit x Wochen	desde x semanas	des de x setmanes	da x settimane	sedan x veckor
until 1 week		jusque dans 1 semaine	Bis 1 Woche	hasta 1 semana	fins 1 setmana	fino a 1 settimana	till 1 vecka
until x weeks	2 - 7	jusque dans x semaines	Bis x Wochen	hasta x semanas	fins x setmanes	fino a x settimane	till x veckor

9.6 OTHER MONTH FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
MONTHS		MOIS	MONATEN	MESES	MESOS	MESI	MÅNADER
last month		mois dernier	Letzter Monat	mes pasado / mes anterior	mes passat / mes anterior	mese scorso	förra månad
this month / current month		ce mois / mois en cours / mois courant	Dieser Monat	este mes / mes actual	aquest mes / mes actual	questo mese	denna månad
next month		mois prochain	Nächster Monat	mes próximo / mes siguiente	proper mes / mes següent	mese prossimo	nästa månad
0 months ago / this month		il y a 0 mois / mois en cours / mois courant	Vor 0 Monaten / Dieser Monat	hace 0 meses	fa 0 mesos / aquest mes / mes actual	0 mesi fa / questo mese	0 månader sedan / denna månad
1 month ago / last month		il y a 1 mois / mois dernier	Vor 1 Monat / Letzter Monat	hace 1 mes / mes pasado	fa 1 mes / mes passat / mes anterior	1 mese fa / mese scorso	1 månad sedan / förra månad
x months ago	2 - 12	il y a x mois	Vor x Monaten	hace x meses	fa x mesos	x mesi fa	x månader sedan
in 0 months / this month		dans 0 mois / mois en cours / mois courant	In 0 Monaten / Dieser Monat	en 0 meses	en 0 mesos / aquest mes / mes actual	in 0 mesi / questo mese	om 0 månader / denna månad
in 1 month / next month		dans 1 mois / mois prochain	In 1 Monat / Nächster Monat	en 1 mes o "mes próximo"	en 1 mes / proper mes / mes següent	in 1 mese / mese prossimo	om 1 månad / nästa månad

in x months	2 - 12	dans x mois	In x Monaten	en x meses	en x mesos	in x mesi	om x månader
since 0 months / since this month		depuis 0 mois / depuis ce mois	Letzte 0 Monate	desde 0 meses / desde este mes	des de 0 mesos / des d'aquest mes	da 0 mesi	sedan 0 månader
since 1 month / since last month		depuis le mois dernier / depuis 1 mois	Seit Letztem Monat / Seit 1 Monat	desde el mes pasado / desde 1 mes	des del mes passat / des d'1 mes	da mese scorso / da 1 mese	sedan 1 månad / sedan förra månaden
last x months	2 - 12	depuis x mois	Letzte x Monate	desde x meses	des de x mesos	da x mesi	sedan x månader
until 1 month / until next month		jusque dans 1 mois / jusqu'au mois prochain	Bis 1 Monat / Bis Nächster Monat	hasta 1 mes / hasta el mes próximo	fins 1 mes / fins el mes següent	fino a 1 mese / fino a mese prossimo	till 1 månad / till nästa månaden
until x months	2 - 12	jusque dans x mois	Bis x Monate	hasta x meses	fins x mesos	fino a x mesi	till x månader

9.7 OTHER QUARTER FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
QUARTER		TRIMESTRES	QUARTALE	TRIMESTRES	TRIMESTRES	TRIMESTRI	KVARTAL
Q1		T1	Q1	T1	T1	T1	K1
Q2		T2	Q2	T2	T2	T2	K2
Q3		T3	Q3	T3	T3	T3	K3
Q4		T4	Q4	T4	T4	T4	K4
Last Quarter		trimestre dernier	letztes quartal	trimestre anterior	trimestre anterior	ultimo, trimestre	förra kvartal
This Quarter		ce trimestre	dieses quartal	trimestre actual	trimestre actual	questo, trimestre	detta kvartal
Next Quarter		trimestre prochain	nächstes quartal	trimestre siguiente	trimestre següent	prossimo, trimestre	nästa kvartal
1 quarter ago		il y a 1 trimestre	vor 1 quartal	hace 1 trimestre	fa 1 trimestre	1 trimestre fa	1 kvartal sedan
x quarters ago	2 - 4	il y a x trimestres	vor x quartalen	hace x trimestres	fa x trimestres	x trimestri fa	x kvartaler sedan
In 1 quarter		dans 1 trimestre	in 1 quartalen	en 1 trimestre	en 1 trimestre	in 1 trimestre	om 1 kvartal
In x quarters	2 - 4	dans x trimestres	in x quartalen	en x trimestres	en x trimestres	in x trimestri	om x kvartaler
Last Qx	1 - 4	dernier Tx	letztes Qx	anterior Tx	anterior Tx	Tx scorso	förra Kx
Next Qx	1 - 4	prochain Tx	nächstes Qx	siguiente Tx	següent Tx	Tx prossimo	nästa Kx
Qx 2004 to Qx 2013	1 - 4	Tx 2004 to Tx 2013	Qx 2004 to Qx 2013	Tx 2004 to Tx 2013	Tx 2004 to Tx 2013	Tx 2004 to Tx 2013	Kx 2004 to Kx 2013

9.8 OTHER YEAR FUNCTIONS BY LANGUAGE

Invariant and English	Range for x	French	German	Spanish	Catalan	Italian	Swedish
YEARS		ANNEES	JAHREN	AÑOS	ANYS	ANNI	ÅR
last year		an dernier	Letztes Jahr	año pasado / año anterior	any passat / any anterior	anno scorso	förra året
this year		cette année	Dieses Jahr	este año / año actual	aquest any / any actual	quest anno	detta året
next year		an prochain	Nächstes Jahr	año próximo / año siguiente	proper any / any següent	anno prossimo	nästa året
0 years ago / this year		il y a 0 ans / cette année	Vor 0 Jahr / Dieses Jahr	hace 0 años / este año / año actual	fa 0 anys / aquest any / any actual	0 anni fa / quest anno	0 år sedan / detta året
1 year ago / last year		il y a 1 an / an dernier	Vor 1 Jahr / Letztes Jahr	hace 1 año / año pasado	fa 1 any / any passat / any anterior	1 anno fa / anno scorso	1 år sedan / förra året
x years ago	2 - 10	il y a x ans	Vor x Jahren	hace x años	fa x anys	x anni fa	x år sedan
in 0 years / this year		dans 0 ans / cette année	In 0 Jahren / Dieses Jahr	en 0 años / este año / año actual	en 0 anys / aquest any / any actual	in 0 anni / quest anno	om 0 år / detta året
in 1 year / next year		dans 1 an / an prochain	In 1 Jahr / Nächstes Jahr	en 1 año / año próximo	en 1 any / proper any / any següent	in 1 anno / anno prossimo	om 1 år / nästa året
in x years	2 - 10	dans x ans	In x Jahren	en x años	en x anys	in x anni	om x års
since 0 years / since this year		depuis 0 ans / depuis cette année	Seit 0 Jahren / Seit Dieses Jahr	desde 0 años / desde este año	des de 0 anys / des d'aquest any	da 0 anni / da quest anno	sedan 0 år / sedan detta året
since 1 year / since last year		depuis 1 an / depuis l'an dernier	Seit 1 Jahr / Seit Letztes Jahr	desde 1 año / desde el año pasado	des d'1 any / des de l'any passat	da 1 anno / da anno scorso	sedan 1 år / sedan förra året
last x years	2 - 10	depuis x ans	Seit x Jahren	desde x años	des de x anys	da x anni	sedan x år
until 1 year / until next year		jusque dans 1 an / jusqu'à l'an prochain	Bis 1 Jahr / Bis Nächstes Jahr	hasta 1 año / hasta el año próximo	fins 1 any / fins el proper any	fino a 1 anno / fino a anno prossimo	till 1 år / till nästa året
until x years	2 - 10	jusque dans x ans	Bis x Jahren	hasta x años	fins x anys	fino a x anni	till x år