



Cyclope Internet Filtering Proxy

- User Guide -

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1. Overview

Cyclope Internet Filtering Proxy monitors the entire Internet traffic and blocks the access to websites and files according to the chosen filter. The requested web pages are displayed only if they comply with the specified filters.

Cyclope Internet Filtering Proxy comes to help companies better manage Internet usage and bandwidth consumption, reduce web browsing for personal use during working hours, eliminate explicit content websites from being accessed, protect the network against online threats, and discourage the download of unlicensed software and other copyrighted materials.

Cyclope Internet Filtering Proxy monitors the entire Internet traffic and blocks the access to websites and files according to the chosen filter. The requested web pages are displayed only if they comply with the specified filters.

Cyclope Internet Filtering Proxy is also an Internet Sharing Software, capable of providing cost effective Internet access to multiple computers via a single Internet connection.

2. Cyclope Internet Filtering Proxy User Interface

2.1 Login

The application web interface is available accessing: web.filter on your browser. For the moment, the interface supports only Internet Explorer browser.

Default login details for the Administrator account are:

- Username: admin
- Password: admin

Default login details for the User account are:

- Username: user
- Password: user

All these details can be changed / modified once you are logged in form the Administration/Account panel.



WebFiltering Login

User name:

Password:

LOGIN →

Default login information for the administrator account is:
Username: admin
Password: admin

Default login information for the user account is:
Username: user
Password: user

2.2 Logout

For logging out, press the Logout button on the right upper corner of the interface.

3. Administration

3.1 IP Management

In the administration field, the application administrator sets the machines to be monitored. The monitored machines are available in an IP list containing IP addresses, and computer names.

Add an IP

In order to filter the Internet traffic on other machines you have to configure their proxy settings to use our product as proxy server. The settings for all browsers installed on client machines should be changed.

After you changed the proxy settings we recommend you to load a few web pages and see if they are loading correctly. If so, the client configuration is completed and you will be able to see the IP addresses of the client machines in the table above.

Delete IP

- Press the Delete IP Address to delete an IP.
- Press the Delete All button the delete all IP except the IP of the computer you are using.

Note: A deleted IP address will be automatically added in the list if the computer using that IP address is still configured to use our product as proxy server. So we recommend you to change the proxy server settings on the machines that are removed from the list.

3.2 Proxy Forwarding

If you already have an http proxy server that shares the Internet Connection in your LAN you can configure our product to forward the http requests to that proxy.

»

Proxy Forwarding:	
	<input type="checkbox"/> I have an existing Http Proxy
Proxy IP:	<input type="text"/>
Proxy Port:	<input type="text"/>
<input type="button" value="Save Settings"/>	

You have to enter the **IP address** and the **Port** of the existing http proxy and check the "I have an existing Http Proxy" option in order to configure our product to forward all the web requests received by our product to the already existing proxy. Our product will do the filtering part before sending the requests to the existing

proxy server or after receiving the content from the existing proxy server (before sending the content to the final client). By using this feature our product filtering capabilities remain unchanged.

If you do not have an existing proxy server please do not use this feature by checking options or filling data.

3.3 Log Management

For better dating the user activity and log storage management, Cyclope Internet Filtering Proxy provides the possibility of choosing a specified day from a calendar. It has also two quick buttons: Delete Day Logs (erases a specified day logs) and Delete All Logs (erases all currently stored logs).

Logs are presented in a log list, containing IP address, computer name, date, log size, and delete log button. The delete button was inserted for a better space management.

Note: The daily logs are automatically removed after 3 months and after the containing data is aggregated in weekly, monthly and yearly reports.

3.4 Accounts

There are two types of accounts:

- Administrator account
- User account

When you are logged as an Administrator there are no restriction regarding the functionality of Cyclope Internet Filtering Proxy.

The User account allows only the viewing of the Cyclope Internet Filtering Proxy Statistics section.

This field contains the registration details and the login information.

Default login information for the Administrator account is:

Username: admin

Password: admin

Default login information for the User account is:

Username: user

Password: user

Login Change - fill in the fields

- Please choose the account type (Administration or User)
- New Password
- Retype Password

Note: Only the login password can be changed for users and administrators. The login names that are allowed by our product are admin and user – no new logins can be created.

4. Filter Configuration

This section allows you to configure the filters and monitor their status.

The filters provided by Cyclope Internet Filtering Proxy are:

1. Block Url- blocks URL from being displayed.
2. Keyword restriction- blocks a web page containing a specified word from being displayed.
3. Block archive file type- stops archive files from being downloaded on a computer.
4. Block application file type- prevents applications from being downloaded.
5. Block audio-video file type- stops audio and video files from being downloaded.
6. Block custom files extensions - stops the files with the defined extension to be downloaded.
7. Block Shockwave-Flash object- stops Shockwave and Flash objects from running.
8. Block incoming cookie- stops cookies from being set on a computer.
9. Block outgoing cookie -stops cookies from being read from your computer.

This section is made of two areas:

- Filter Configuration
- Group Management

4.1 Filter Configuration:

Cyclope Internet Filtering Proxy allows multiple filters enabling for increased network protection. Filters can be a specific web page, a keyword, a group of letters, and an extension or file type.

Just choose the filters you want to see in detail, by pressing the **Show/Hide** button and activate or deactivate the chosen filters, by checking the **Enable/Disable** button.

»

Filter Name	Enabled	Disabled	Status	Appearance
Block Url	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide
Keyword restriction to web page	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide
Block archive file type	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide
Block application file type	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide
Block audio-video file type	<input type="radio"/>	<input checked="" type="radio"/>	✘ Disabled	Show
Block custom file extensions	<input type="radio"/>	<input checked="" type="radio"/>	✘ Disabled	Show
Block Shockwave Flash objects	<input type="radio"/>	<input checked="" type="radio"/>	✘ Disabled	Show
Block incoming cookies	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide
Block outgoing cookies	<input checked="" type="radio"/>	<input type="radio"/>	✔ Enabled	Hide

4.1.1 Block Url

This filter blocks access to a specified web site or all web sites. In case of multiple websites on the same topic, the option URL pattern can be configured, enabling the filter to block all websites containing a keyword or a group of letters.

The **Block Url** Filter has 2 sections:


- **Allow** – by checking the **Allow list**, the user will be authorized to browse only the websites added in the list. The rest of the websites will be blocked. **It is highly recommended to add patterns (use the Add Pattern button) instead of address to be sure that the website is allowed. Example: if you add google as pattern – all websites containing google will be allowed (like groups.google.com).**

»

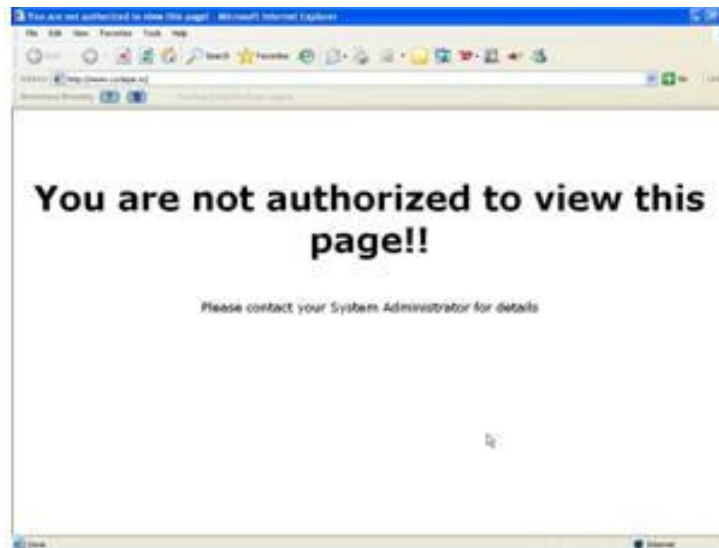
Filter: Block Url		Enable	Disable	✔ Enabled
Description	Block url address			
	Activate: Allow list: <input checked="" type="radio"/> Block list: <input type="radio"/>	✔	Enabled	
Allow	<input type="button" value="Add Address"/> <input type="button" value="Add Pattern"/>			
	google	<input type="button" value="Remove"/>		
	yahoo	<input type="button" value="Remove"/>		
Block	<input type="button" value="Add Address"/> <input type="button" value="Add Pattern"/> <input type="button" value="Add All"/>			
	Options	<input type="button" value="Exclude IP"/>	<input type="button" value="Exclude Group"/>	<input type="button" value="Scheduler"/>

- **Block** – by checking the **Block list**, the websites added in the list will be blocked. **It is highly recommended to add patterns (use the Add Pattern button) instead of address in order to block access to a range of website containing specified pattern in the url: Example: if you add xxx as pattern – all website containing xxx in the url will be blocked.**

>> **Filter: Block Url** Enable Disable ✔ Enabled

Description	Block url address		
	Activate: Allow list: <input type="radio"/> Block list: <input checked="" type="radio"/>	 Disabled	
Allow	Add Address	Add Pattern	
Block	Add Address	Add Pattern	Add All
	porn	Remove	Edit
Options	Exclude IP	Exclude Group	Scheduler

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- **Add All: by clicking this button, all websites will be blocked.**
- For better property management, after you add the websites, there are the options **Remove** and **Edit** in case of changes in the URLs to block.
 - Add pattern: application will block URLs containing a specified group of letters.
 - For defining the URL pattern, click **Add Pattern** button than write the letter group contained in websites you would like to block.
 - The user will see the following message:



Note: For information about building custom error / blocked access pages contact our support team (support@cylope-series.com).

4.1.2 Keyword Restriction

For enhanced protection, Cyclope Internet Filtering Proxy has a keyword filter, meaning that it stops web pages containing in their body a specified word or a group of letters from being displayed.

>> **Filter: Keyword restriction** **Enabled**

Description	Stops a web page containing a defined keyword from being displayed		
	Word Pattern		
Block	<input type="button" value="Add"/>	<input type="button" value="Add non-english word"/>	
	străzi	<input type="button" value="Remove"/>	
	xxx	<input type="button" value="Remove"/>	
	porn	<input type="button" value="Remove"/>	
Options	<input type="button" value="Exclude IP"/>	<input type="button" value="Exclude Group"/>	<input type="button" value="Scheduler"/>

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- Word pattern : words in the website body , applicable to all websites containing the defined letter group.
 - When the keyword is found, that website will be replace with a page containing restriction details.
 - For defining the keyword pattern, click the **Add pattern** button then write the letter group contained in websites you would like to block.
 - The **Add non-english word** option, included in this filter, allows blocking the access to non-english web sites as well. The web sites containing the specified non-english word will not be displayed.

>> **Add Non-english Word**

New word:	<input type="text"/>
Character Set:	<input type="radio"/> Arabic <input type="radio"/> Baltic <input checked="" type="radio"/> Central European <input type="radio"/> Chyrillic <input type="radio"/> Greek <input type="radio"/> Hebrew <input type="radio"/> Latin <input type="radio"/> Thai <input type="radio"/> Turkish <input type="radio"/> Vietnam
	<input type="button" value="Add"/>

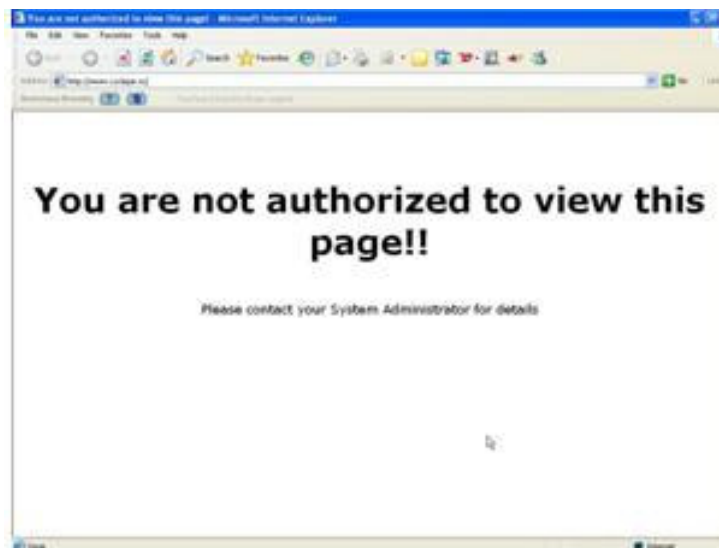
Word	Character set
străzi	Central European <input type="button" value="Remove"/>

- When selecting the character set please read the following:

- select **Chirillic** for Razeri, Belarusian, Bulgarian, FYRO Macedonian, Kazakh, Kyrgyz, Mongolian, Russian, Serbian, Tatar, Ukrainian, Uzbek, and Macedonian;
- select **Latin** for Afrikaans, Basque, Danish, Dutch, Faroese, Finnish, French, German, Icelandic, Irish, Italian, Malay, Norwegian, Portuguese, Scottish, Spanish, Swedish, Swahili;
- select **Central European** for Albanian, Croatian, Czech, Hungarian, Polish, Romanian, Serbian (Latin), Slovak, Slovenian;
- select **Baltic** for Lituianian, Latvian, Estonian;
- select **Arabic** for Arabic, Farsi, Urdu.

For better property management, in case of changes in the word pattern contained in the sites to block you can access the **Remove** option.

- The user will see the following message:

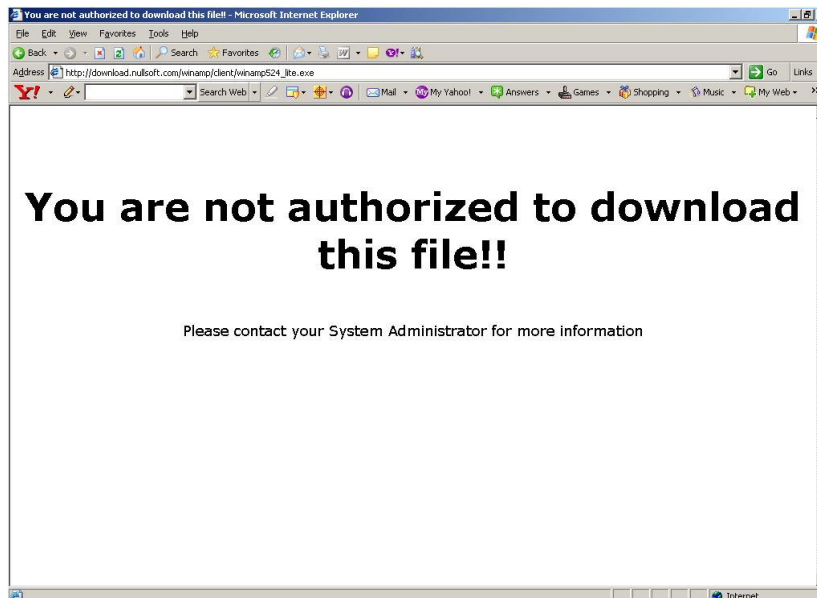


4.1.3 Block Archive File Type

This filter block all archive files from being downloaded. This version supports: **.zip**, **.ace**, **.rar** as default archive extension.

>>	Filter: Block archive file type	Enable	Disable	✓ Enabled
Description	Stops archive files from being downloaded			
Extensions:				
Block	<input checked="" type="checkbox"/> zip	✓ Enabled		
	<input checked="" type="checkbox"/> rar	✓ Enabled		
	<input checked="" type="checkbox"/> ace	✓ Enabled		
Options	Exclude IP	Exclude Group	Scheduler	

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- The application has set default application extensions.
- When blocking that type of file, the link will be redirected to an error page informing the blocked access to that specific file.
- The user will see the following message:



Note: In order to block access to other types of archives (tar for example) please use the block custom extension filter.

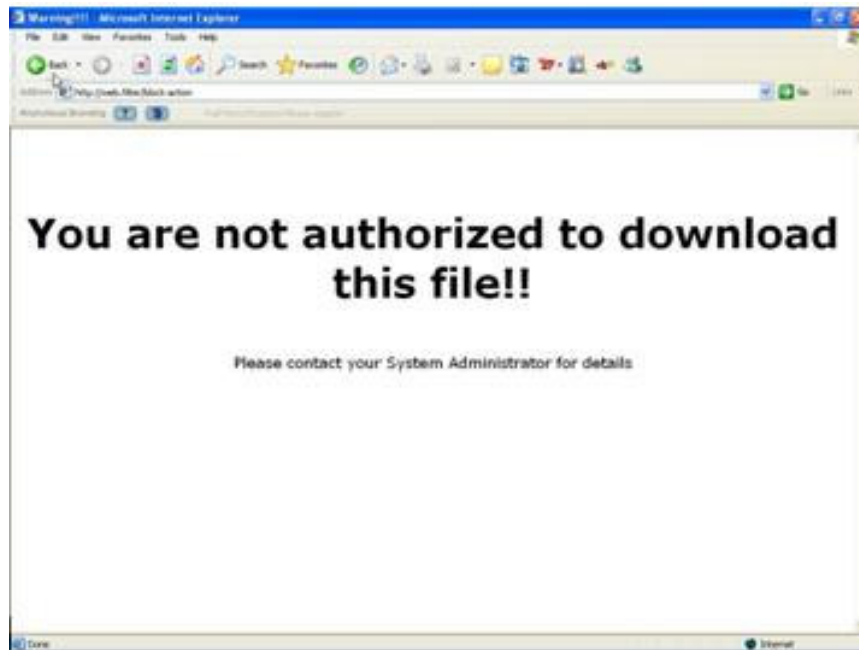
4.1.4 Block Application File Type

This filter block all application files from being downloaded. This version supports: .exe, .bat as default application extension.

»

Filter: Block application file type		Enable	Disable	<input checked="" type="checkbox"/> Enabled
Description	Stops application files from being downloaded			
Extensions:				
Block	<input checked="" type="checkbox"/> exe	<input checked="" type="checkbox"/> Enabled		
	<input checked="" type="checkbox"/> bat	<input checked="" type="checkbox"/> Enabled		
Options	<input type="button" value="Exclude IP"/>	<input type="button" value="Exclude Group"/>	<input type="button" value="Scheduler"/>	

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- The application has set default application extensions.
- When blocking that type of file, the link will be redirected to an error page informing the blocked access to that specific file.
 - The user will see the following message:



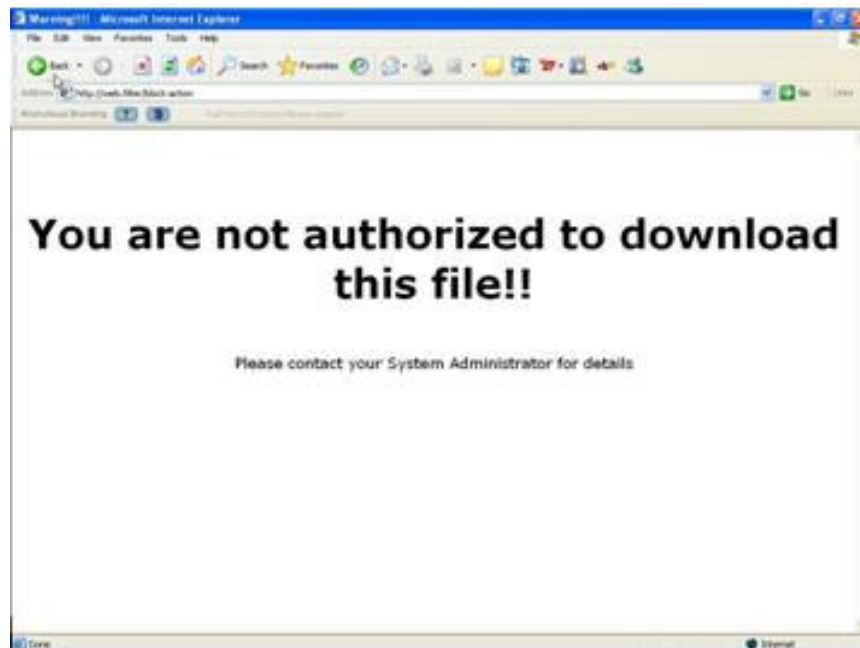
Note: In order to block access to other types of applications (msi for example) please use the block custom extension filter.

4.1.5 Block Audio-Video File Type

This filter block all archive files from being downloaded. This version supports: .mp3,.wav,.avi,.mpg,.mpeg as default audio-video extension.

Filter: Block audio-video file type		Enable	Disable	<input checked="" type="checkbox"/> Enabled
Description	Stops audio-video files from being downloaded			
Extensions:				
Block	<input checked="" type="checkbox"/> mp3	<input checked="" type="checkbox"/> Enabled		
	<input checked="" type="checkbox"/> wav	<input checked="" type="checkbox"/> Enabled		
	<input checked="" type="checkbox"/> avi	<input checked="" type="checkbox"/> Enabled		
	<input checked="" type="checkbox"/> mpg	<input checked="" type="checkbox"/> Enabled		
	<input checked="" type="checkbox"/> mpeg	<input checked="" type="checkbox"/> Enabled		
Options	<input type="checkbox"/> Exclude IP	<input type="checkbox"/> Exclude Group	<input type="checkbox"/> Scheduler	

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- Extensions will appear as a list (.mp3, .wav, etc).
- The application has set default application extensions.
- When blocking that type of file, the link will be redirected to an error page informing the blocked access to that specific file.
- The user will see the following message:



Note: In order to block access to other media files (pl for example) please use the block custom extension filter.

4.1.6 Block Custom Extensions

The Custom extensions filter stops the files with the defined extension to be downloaded

>> **Filter: Custom extensions** Enable Disable ✔ Enabled

Description	Stops the files with the defined extension to be downloaded		
Extensions			
Block	Add		
	<input checked="" type="checkbox"/> pdf	<input checked="" type="checkbox"/> Enabled	Delete Extension
Options	Exclude IP	Exclude Group	Scheduler

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- **Add** custom extensions you want to block
- **Delete Extension** - choose the extensions you don't want to block anymore

Note: When a new extension is added – pdf for example you have to fill just the extension name (pdf). Using other combinations like .pdf or *.pdf is not supported and as result the access will not be blocked to the resources.

4.1.7 Block Shockwave-Flash Objects

The Shockwave and Flash filter blocks the display of Shockwave and Flash applications within a web page. The content of the web site is loaded just the flash object is not shown.

» **Filter: Block Shockwave Flash objects** Enable Disable ✔ Enabled

Description	Stops shockwave-flash objects from being run		
Block	Add Address Add Pattern Add All		
	All	Remove	Edit
Options	Exclude IP	Exclude Group	Scheduler

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- Add the URL address of the website to stop objects from running (only these objects would not be shown in a webpage).
- **Add All: by clicking this button, all websites will be blocked.**
- For better property management, there are the options **Remove** and **Edit** in case of changes in the URLs.
- For defining the URL pattern, click **Add Pattern** button then write the letter group contained in websites you would like to block.

4.1.8 Block Incoming Cookies

This filters stops cookies from being set on a computer. It can be applied to a specified web page and also on web pages containing a keyword or a group of letters. Cookies are usually set by web sites that need further user recognition or login details. It is recommended to check the login operation on these websites before blocking the access.

>>

Filter: Block incoming cookies		Enable	Disable	✔ Enabled
Description	Stops cookies from being set on your LAN computers			
Block	<input type="button" value="Add Address"/> <input type="button" value="Add Pattern"/> <input type="button" value="Add All"/>			
	All			<input type="button" value="Remove"/> <input type="button" value="Edit"/>
Options	<input type="button" value="Exclude IP"/> <input type="button" value="Exclude Group"/>		<input type="button" value="Scheduler"/>	

- To activate the filter press the **Enable** button
- To deactivate the filter press the **Disable** button
- Add the URL address of the URL to stop cookies from being set.
- **Add All:** by clicking this button, the incoming cookies for **all websites** will be blocked.
 - For better property management, there are the options **Remove** and **Edit** in case of changes in the URLs.
 - For defining the URL pattern, click the **Add Pattern** button then write the letter group contained in websites you would like to block.

4.1.9 Block Outgoing Cookies

This filters stops cookies from being read from a computer. It can be applied to a specified web page and also on web pages containing a keyword or a group of letters. Cookies are usually set by web sites that need further user recognition or login details. It is recommended to check the login operation on these websites before blocking the access.

>>

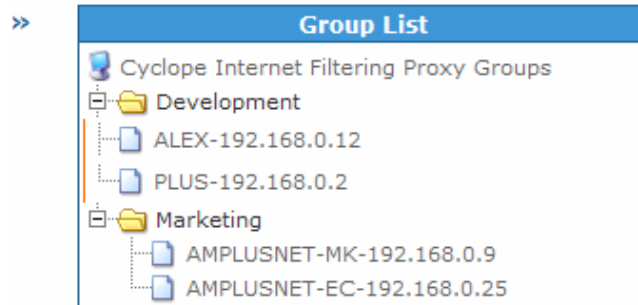
Filter: Block outgoing cookies		Enable	Disable	✔ Enabled
Description	Stops cookies from being read from your LAN computers			
Block	<input type="button" value="Add Address"/> <input type="button" value="Add Pattern"/> <input type="button" value="Add All"/>			
	All			<input type="button" value="Remove"/> <input type="button" value="Edit"/>
Options	<input type="button" value="Exclude IP"/> <input type="button" value="Exclude Group"/>		<input type="button" value="Scheduler"/>	

- For enable/disable filter click change status.
- Add the URL address of the URL to stop cookies from being set.
- URL will appear as a list.
- **Add All:** by clicking this button, the outgoing cookies for **all websites** will be blocked.
 - For better property management, there are the options Remove and Edit in case of changes in the URLs.
 - URL pattern - application will block URLs containing a specified group of letters.
 - For defining the URL pattern, click ADD (button under URL Pattern) then write the letter group contained in websites you would like to block.

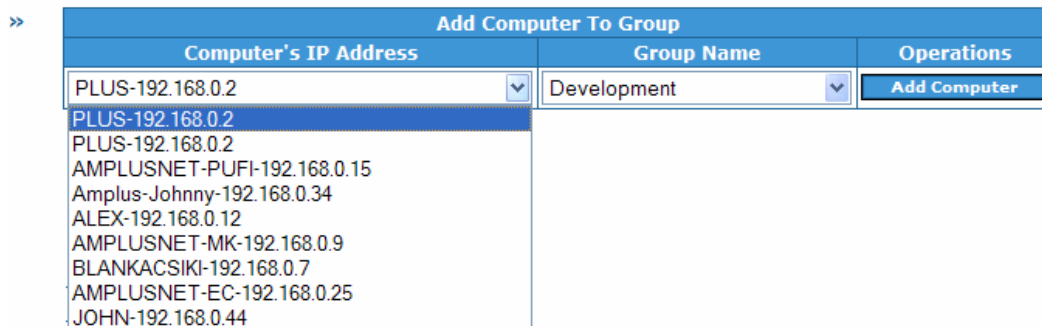
4.2 Group Management:

Group Management allows application manager to create groups for different categories of users.

- **Add Group** - Create a new group for a specific category of users. After you include the computers' IP in each group, you will see a detailed list.



- **Add computer** - Assign computer/user to a specified group.





- **Delete Group** - Choose the group you want to delete.
- **Rename Group** - Choose the group you want to rename and enter the new name.
- **Delete Computer** - Delete user/computer from the specified group.

5. Statistics

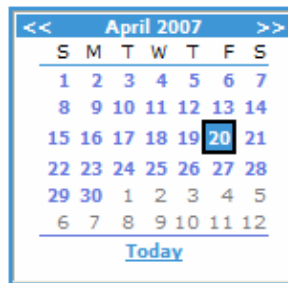
5.1 Traffic and Websites

After logging in, the page you are visualizing is the statistics page. Traffic & Website panel reports the IP activity and size (expressed in Megabytes - Mbytes) and chart in traffic. The **View Log** button allows you to see the accessed pages. Below the table, there is the total traffic made on the filtering proxy.

»

IP Address	Computer Name	Size(Mb)	Traffic Chart	
192.168.0.2	PLUS	26.11		View Log
192.168.0.9	AMPLUSNET-MK	15.46		View Log

Logs can be visualized on specified dates, choosing the date from the calendar above the table.



5.2 Filter Activity

The filter activity panel reports the results of the application usage. Filter activity reporting shows all filter activity and the breaking rules attempts.

The website visited and the action taken by Cyclope Internet Filtering Proxy are presented in a table format, accompanied by information on date, time, IP and computer name. Filter action may be: URL blocked, download stopped, and incoming cookies blocked etc. Filter activity reports are available on daily basis.

»

Date	Time	IP Address	Computer Name	Url	Filter Action
04/20/2007	09:26:09	192.168.0.44	JOHN	http://storage.trafi...	archive
04/20/2007	09:32:33	192.168.0.25	AMPLUSNET-EC	http://www.abc.com/	url

5.3 Aggregated Traffic and Websites

Aggregated traffic logs provide detailed information on the traffic made by the monitored IPs for specific periods of time.

The period of time can be selected from the dropdown list, next to the chart. Time periods can be: this week, last two weeks, last months, last three months, last six months and last year. The table presents the monitored IPs, computers name, traffic size in Kb, and a graphical representation of the traffic made by that IP. Below the table is the total traffic made by the monitored IPs.

5.4 Aggregated Filter Activity

Aggregated Filter Activity logs provide detailed information on the filter activity made for specific periods of time. Filter table shows all active filters; in the case of file extension filters, only active extensions are shown. Aggregated filter activity report can cover specific periods of time, available to be chosen in the drop down list.

5.5 Reporting

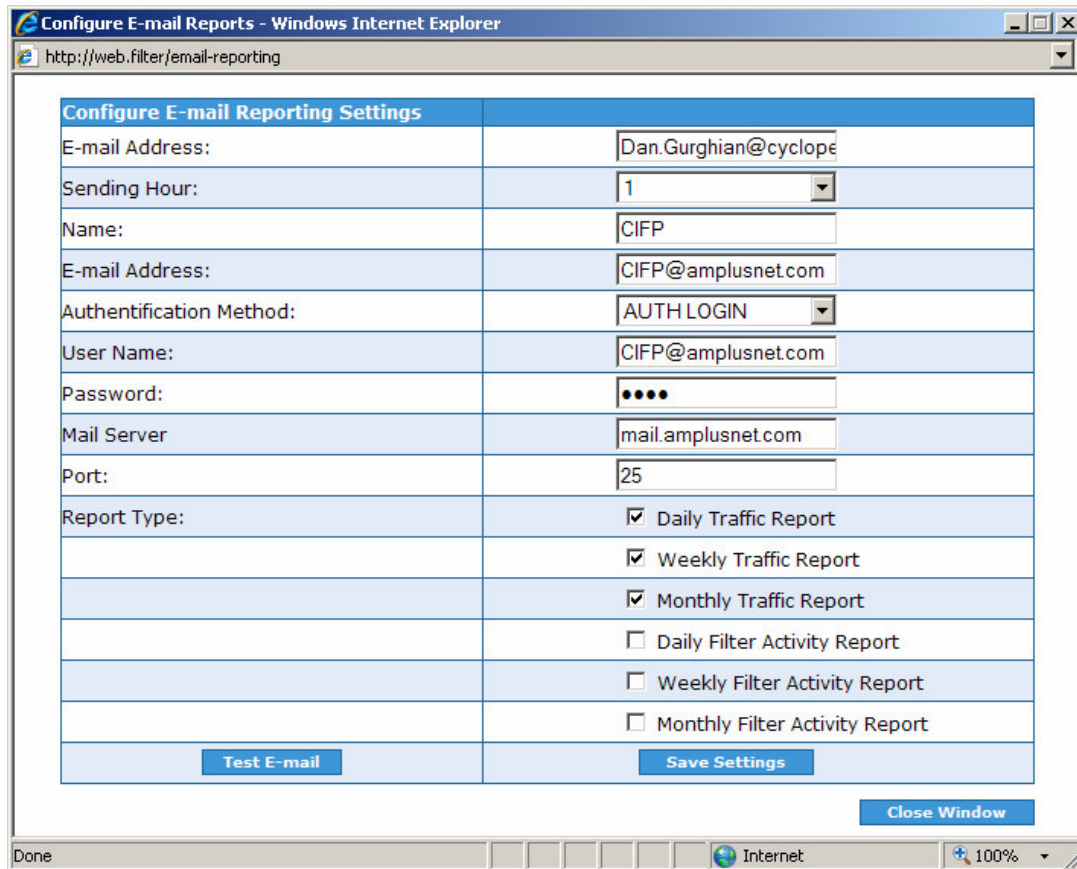
In the reporting section you have to configure the e-mail reporting settings so that you can receive the reports provided the Cyclope Internet Filtering Proxy solution.

By default the email reporting feature is configured to use our mail server to deliver you the reports. In order to test this feature please enter your email address in the first field and press Test E-mail button. Check your email and see if you have received an email from cifp@amplusnet.com with the subject Email Reports from Cyclope Internet Filtering Proxy and the attachment: test.zip.

Note:

Other options that can be configured are:

- the sending hour which allows you to specify when the emails should be sent,
- your own email server details:
 - o Name – this is the information that will be present in the from field
 - o E-mail Address – the email address that will be used for sending the email
 - o Authentication Method that is supported by your SMPT server (the most common is AUTH LOGIN)
 - o User Name – is the SMPT server username (usually is full email address)
 - o Password – the password for the SMPT server
 - o Mail Server – the name or the IP address of your SMP server
 - o Port – the port used by your SMP server (the default value is 25)



Configure E-mail Reporting Settings	
E-mail Address:	Dan.Gurghian@cyclope
Sending Hour:	1
Name:	CIFP
E-mail Address:	CIFP@amplusnet.com
Authentication Method:	AUTH LOGIN
User Name:	CIFP@amplusnet.com
Password:	••••
Mail Server	mail.amplusnet.com
Port:	25
Report Type:	<input checked="" type="checkbox"/> Daily Traffic Report <input checked="" type="checkbox"/> Weekly Traffic Report <input checked="" type="checkbox"/> Monthly Traffic Report <input type="checkbox"/> Daily Filter Activity Report <input type="checkbox"/> Weekly Filter Activity Report <input type="checkbox"/> Monthly Filter Activity Report
<input type="button" value="Test E-mail"/> <input type="button" value="Save Settings"/>	
<input type="button" value="Close Window"/>	

- The types of the reports that you will receive by email:
 - o Daily Traffic Report – this report will be delivered each day (at the hour that you have previously configured) and will contain the a table with all the IP addresses and the traffic (download and upload) for each of them;
 - o Weekly Traffic Report – this report aggregates the daily logs and provides the same data (traffic size for each IP) for a week.
 - o Monthly Traffic Report – this report aggregates the weekly logs and provides the same data (traffic size for each IP) for a month.
 - o Daily Filter Activity Report – shows a table with the Date, Time, IP Address, Web Site and Filter Type that blocked the user access to a web resource.
 - o Weekly Filter Activity Report – aggregates the daily reports into a single report
 - o Monthly Filter Activity Report – aggregated the weekly reports into a single report

Use Save settings to validate your options.

6. Registration

In order to register your product, please go to:

<http://www.cyclope-series.com/products/internet-filtering/order.aspx>.

Before proceeding, make sure that you have disabled the product so that the payment processing service provider web page can be accessed without any restrictions. The license key and registration instructions will be sent by email.

7. Support



E-mail Support

For any technical related question please contact our technical support team: tehnic.cyclope@furnizor-it.ro

For any sales related questions please contact our sales support team: vanzari.cyclope@furnizor-it.ro



Phone Support

Our phone support lines (available during working days):

+40 332 411 238 / +40 753 847 796