

Smart Monitor Network Activity Monitor System



Your reliable networking solutions partner

User's Guide

Smart Monitor User's Guide

Version: 2.0

Firmware Version: V2.4.2

(For future update, please visit DrayTek web site)

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<http://www.draytek.com>

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1. Introduction

1.1 Introduction

Smart Monitor, a verification software for network information, can capture, filter and analyze network information for different purposes by integrating with Vigor series router. With Smart Monitor, the administrator can adopt the content that user cares and restore the data to readability information and produce various reports for reference.

Administrator of enterprise might torment with the following things:

1. Overused IM software and affect work efficiency on duty time.
2. Download file unlimitedly through bandwidth and cause congestion in normal usage.
3. Reveal company's confidential information through IM software easily.

The first thing that Smart Monitor can do for the enterprise is to solve the network problem. By verifying network information, Smart Monitor can assist enterprise's administrator to solve different problems derived from the network application effectively. No matter network logging record, e-mail record or IM chatting record, or file download, Smart Monitor can analyze and arrange those records clearly and well for the administrator to manage and check with ease.

Smart Monitor not only can manage network, but also it can bring out new concept of auto-management for the enterprise. Traditional management mode is passive management. It means the employees always restrict their behavior in network usage after notified, even warned by the network administrator. Thus, employees might feel uncomfortable and management problems usually will be produced in such circumstance. For such situation, Smart Monitor provides Top 10 ranking function and allows users to check Top 10 of network applications at any time, such as IM Top 10, Download Top 10 and etc. When employees find the username/IP address being listed on Top 10, they will restrict their behaviors in network usage automatically. Thus, self-managing of employees can be formed naturally.

Top 10 also can carry out ranking for different service types to assist network administrator finding out network usage custom of users in local network. With such analysis, the administrator can design and plan better network management to reach the optimum work efficiency of the enterprise.

In addition to enterprise, Smart Monitor can be applied in general families. The network development not only gives us convenient information, but also it brings unhealthy information such as pornography, violence to children and threatens the growth of the children. With good deployment of Smart Monitor, parents can monitor network usage of children and adjust network configuration to discard unhealthy network visits and offer a good network environment to children.

1.2 System Requirements

- Intel P4 1.4GHz and above /AMD CPU
- 20 GB free hard disk at least
- 1GB RAM and above
- Vigor Router, e.g., Vigor 2950

Note:

1. FTP and e-mail applications might occupy lots of disk space. If the usage of FTP and e-mail will be large, please prepare larger disk space for installing and using Smart Monitor.
2. Smart Monitor can be operated in the condition less than the above requirement. However, in the environment of less disk space, network information might be omitted by Smart Monitor due to the high peak of network usage.
3. For Smart Monitor might be influence lots of system applicaitons, it would be better to intall it in “clear and pure” system environment. Microsoft IIS might conflict with Apache which is required for installing Smart Monitor. Therefore, do not install and operate Microsoft IIS, or change the port number for Microsoft outside 80.

1.3 Topology

Connect a PC with Smart Monitor installed to the mirror port of the device (such as Vigor2860) to capture monitored information.



1.4 Installation

Before installing the software, please make sure you have the following system:

- 32bit Ubuntu 10, 12, 14 LTS

1.4.1 Installation Procedure

1. Run the following command to configure the operation environment for Smart Monitor.

```
apt-get install apache2 php5 php5-cli libapache2-mod-php5 php5-sqlite
```

2. When the above is finished, please type the following command.

```
sudo cp /usr/bin/php5 /usr/local/bin/php
```

3. Next, configure the “php.ini” file.

For Ubuntu 10, 12,

```
/etc/php5/apache2/php.ini  
extension_dir = "/usr/lib/php5/20090626+libs/"  
extension=pdo.so  
extension=pdo_sqlite.so  
extension=sqlite.so
```

For Ubuntu 14,

```
/etc/php5/apache2/php.ini  
extension_dir = "/usr/lib/php5/20XXXXXX+libs/"  
extension=pdo.so  
extension=pdo_sqlite.so  
extension=sqlite3.so
```

Note: “XXXXXX” varies based on the actual display under the folder of “**php5**”.

4. In the file of “sudo vi /etc/apache2/apache2.conf”, please add the following commands:

```
AddType application/x-httpd-php .php .htm .html  
DirectoryIndex index.php index.htm index.html
```

Also, you can change the sequence of the three

5. Delete the “index.html” file.

For Ubuntu 10, 12

```
sudo rm /var/www/index.html
```

For Ubuntu 14

```
sudo rm /var/www/html/index.html
```

- Restart apache2 to activate new settings.

```
sudo /etc/init.d/apache2 restart
```

- Download the installation file sm100.run for Linux from www.draytek.com.
- Transmit the file to Ubuntu10.10 by using FTP, SAMA or SSH.
- Under Ubuntu10.10, perform the following command.

```
sudo chmod 777 sm_2.4.2.run
```

- Perform the following command to install the software.

```
sudo ./sm_2.4.2.run -i
```

- Type the installation path for the main program and the web, or use the default path for them. The web path must be set with the document root specified for apache (for example, the default document root for apache is /var/www/ for Ubuntu 10, 12 or /var/www/html for Ubuntu 14.)
- After the software is installed successfully, use the following command to start the software.

```
sudo /etc/init.d/smartmonitor start
```

1.4.2 Uninstall Smart Monitor

Type the following command to uninstall the software.

```
sudo ./sm_2.4.2.run -r
```

1.4.3 Software Upgrade

- Close the old version of Smart Monitor.

```
sudo /etc/init.d/smartmonitor stop
```

- Backup the files in the database.

```
/var/www/db
```

3. Delete the old version of Smart Monitor and database.

```
sudo ./sm_2.4.2.run -r
```

4. Install the new version of Smart Monitor.

```
sudo ./sm_2.4.2.run -i
```

5. Restore the files to the database.

```
/var/www/db
```

6. Restart apache to activate the new settings.

```
sudo /etc/init.d/apache2 restart
```

7. Start new version of Smart Monitor and watchdog.

```
sudo /etc/init.d/smartmonitor start
```

This page is left blank.

2. Basic Operation

2.1 Activating Smart Monitor

After the software is installed successfully, use the following command to start the software.

```
sudo /etc/init.d/smartmonitor start
```

2.2 Enter Web User Interface

When you want to access into the web page of Smart Monitor, a pop-up window will appear to ask you to type the username and password for authentication.



The screenshot shows the DrayTek Smart Monitor Login page. At the top, there is a red banner with the DrayTek logo on the left and 'Smart Monitor' in white text on the right. Below the banner is a black header with the word 'Login' in white. The main content area is white and contains a login form. The form has two input fields: 'Username' with the text 'admin' and 'Password' with five black dots. To the right of the password field is a purple link that says 'Forget password?'. Below the input fields are two buttons: 'Guest Login' and 'Login'.

Next, type the username and password. The default values for user name and password are “*admin*” and “*admin*”. Click **Login** to access into the configuration web pag.

If your a a guest, you don’t need to type anything and just click the **Guest Login** button. For detailed inforamtion, please refer to **2.3 Anonymous Login**.

Below shows the home page of Smart Monitor. It can be divided into several sections.

Links for Quick Start

Menu Bar

Current Top 10 Users under Monitored

Brief Introduction for System

Brief Introduction for User Analysis

Icons for Service Analysis

Brief Information for Report

Protocol	Total Traffic	No.	Address	User Name	Group/Department	Today Traffic
FTP	5.79 MB	1	172.16.3.8	mail3	MIS	419.43 MB
HTTP	2.05 GB	2	172.16.3.130	david	Marketing	341.31 MB
ICQ	7.27 KB	3	172.16.3.146	cindy	Sales	289.88 MB
MSN	144.82 KB	4	172.16.3.120	bruce	Marketing	253.42 MB
P2P	0.00 KB	5	172.16.3.132	Nick	Marketing	235.42 MB
POP3	362.22 MB	6	172.16.3.148	McDon_ey	Sales	209.70 MB
SMTP	48.58 MB	7	172.16.3.181	2104_Hw	HD	202.92 MB
TELNET	9.81 KB	8	172.16.3.176	2104_1F	MFG	149.00 MB
YMSG	0.00 KB	9	172.16.3.184	2104_TBD	Tiwin Sales	144.64 MB
		10	172.16.3.203	2104_4F	SDD	144.37 MB

Item	Description
Menu Bar	Display available menus.
Links for Quick Start	Provide links to execute basic operation.
Brief Introduction for User Analysis	Display brief introduction for the contents of user analysis.
Icons for Service Analysis	Provide icons to check service analysis. Simply double-click on them. The system will open the corresponding pages.
Brief Information for Report	Display brief explanation that Report contains.

2.3 Anonymous Login

Smart Monitor offers the function of anonymous log in. This function is used for the anonymous user to check the ranking of network service usage to carry out self-managing.

Anonymous logging is unable to use/see all the functions of Smart Monitor. **Only user Top 10 and traffic ranking pages are allowed.** With these two web pages, users can know the usage ranking in different network service. If they find their ranking is near to the top one, they can do self-restriction and reduce non-job network usage. Thus, network usage efficiency of the enterprise can be raised.

The screenshot shows the DrayTek Smart Monitor v2.4.4 web interface. At the top, it displays "73 Users Logged 2 Admin Online" and the user name "eric_hsu" is circled in red. The navigation bar includes "System", "User Setting", "Service Analysis", "User Analysis", and "Report". Below the navigation bar, a welcome message states "Welcome to Smart Monitor v2.4.4 Authenticated with Vigor2710e Recording 1010 users AT MOST".

The main content area is divided into several sections:

- Quick Start Guide:** A list of tasks such as "Create your Admin Account", "Modify general Setting", "Create Group/Department to manager users", "View service records and traffic in Service Analysis", "View each user's records and traffic in User Analysis", and "View statistics and analysis information in Report".
- Service Analysis Table:** A table with columns: Protocol, Total Traffic, No., Address, User Name, Group/Department, and Today Traffic.

Protocol	Total Traffic	No.	Address	User Name	Group/Department	Today Traffic
FTP	5.79 MB	1	172.16.3.8	mail3	MIS	419.43 MB
HTTP	2.05 GB	2	172.16.3.130	david	Marketing	341.31 MB
ICQ	7.27 KB	3	172.16.3.146	cindy	Sales	289.88 MB
MSN	144.82 KB	4	172.16.3.120	bruce	Marketing	253.42 MB
P2P	0.00 KB	5	172.16.3.132	Nick	Marketing	235.42 MB
POP3	362.22 MB	6	172.16.3.148	McDon_ey	Sales	209.70 MB
SMTP	48.58 MB	7	172.16.3.181	2104_Hw	HD	202.92 MB
TELNET	9.81 KB	8	172.16.3.176	2104_IF	MFG	149.00 MB
YMSG	0.00 KB	9	172.16.3.184	2104_TBD	Tiwin Sales	144.64 MB
		10	172.16.3.203	2104_4F	SDD	144.37 MB
- Tricks & Tips:** A list of links including "Admin Online", "Event Log", "Resources", "Service Top 10", and "User Top 10".
- User Analysis:** A section with links for "Personal Records & Report", "Users' Traffic of each protocol", and "Individual Top 10".
- Service Analysis:** A grid of icons representing various network services: FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, and Search Engine.
- Statistics & Report:** A section with links for "Each Service traffic graph", "Hard Disk utilization graph", and "Generate offline PDF reports, send daily report email".
- User Analysis and System Menus:** Two yellow buttons at the bottom: "User Analysis" (with sub-links "User By Traffic" and "Top 10") and "System" (with sub-links "License Agreements" and "Log Out").

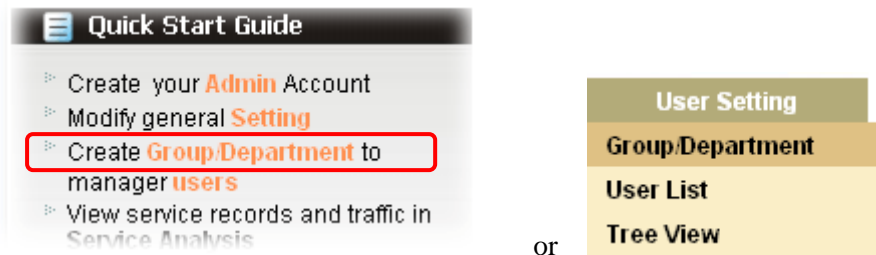
Only **User Analysis** and **System** menus are provided for guest logging.

2.4 Group/Department Operation

By grouping the users, the administrator can set different monitoring contents for different users. Meanwhile, the administrator can dispatch the users to suitable groups quickly to make the group operation of users being easily.

Please follow the steps listed below to create a new one.

1. Click the **Group/Department** link from the **Create Group/Department to manager users** located in **Quick Start Guide** area, or open **User Settings>>Group/Department**.



2. Click the **New Group/Department**  icon.

Group/Department 

Group Name	Description	Active	Emphasize	Members	Delete
Others	Default Group/Department	Y	N	6	

3. The following screen will appear.

New Group/Department

Group Name	<input type="text" value="office-1"/>
Description	<input type="text" value="for marketing"/>
Active	<input checked="" type="checkbox"/>
Emphasize	<input type="checkbox"/>
Recording	<input checked="" type="checkbox"/> FTP <input checked="" type="checkbox"/> SMTP <input checked="" type="checkbox"/> POP3 <input checked="" type="checkbox"/> HTTP <input checked="" type="checkbox"/> MSN <input checked="" type="checkbox"/> ICQ <input checked="" type="checkbox"/> YMSG <input checked="" type="checkbox"/> QQ <input checked="" type="checkbox"/> Media <input checked="" type="checkbox"/> Telnet <input checked="" type="checkbox"/> P2P <input checked="" type="checkbox"/> Webdown <input checked="" type="checkbox"/> Stock <input checked="" type="checkbox"/> Game <input checked="" type="checkbox"/> SIP <input checked="" type="checkbox"/> DNS Query <input checked="" type="checkbox"/> VPN <input checked="" type="checkbox"/> IPSEC VPN <input checked="" type="checkbox"/> Search Engine

[Add new Members](#)

4. Type a name (e.g., **office-1**) for the group in the field of **Group Name**. Give a brief explanation for such group. Check the **Active** box.
5. In the Recording field, choose the service(s) that Smart Monitor will record and monitor for such group.
6. Click **Save**.

Below shows a figure of new group added.

Group/Department

Group Name	Description	Active	Emphasize	Members	Delete
office-1	for marketing	Y	N	0	
Others	Default Group/Department	Y	N	6	

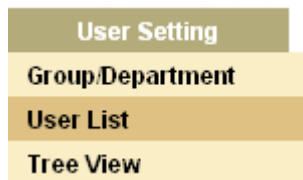
2.5 User List Operation

To utilize Smart Monitor for monitoring, the first thing you have to do is “create a user name”. Such user account can be grouped under any group/department specified later and be monitored by Smart Monitor.

After initiating Smart Monitor, the IPs in the network segment specified by the network card of Smart Monitor will be caught and displayed automatically.

We can use setting username or grouping the user to have convenient management. Refer to the following steps for grouping or setting user name.

1. Open **User Settings>>User List**.



2. There are eight items with different purposes for each IP address, such as number, recording, IP address, user name, group, emphasize, LAN-to-LAN and delete.

User List

Navigation: 5 pcs/1 Pages | Sort By: IP

No.	<input type="checkbox"/> Recording	IP	User Name	Group	<input type="checkbox"/> Emphasize	<input type="checkbox"/> LAN-to-LAN	Delete
1	<input checked="" type="checkbox"/>	192.168.1.1	carrie_pc	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2	<input checked="" type="checkbox"/>	192.168.1.5		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3	<input checked="" type="checkbox"/>	192.168.1.10		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	<input checked="" type="checkbox"/>	192.168.1.12		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5	<input checked="" type="checkbox"/>	192.168.1.255		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

1. LAN-TO-LAN is used when source and destination IP are in same subnet. For example, accessing internal mail server is typical LAN-TO-LAN application.
2. Ticking LAN-TO-LAN option only means SmartMonitor handle LAN data which CAN be received, which does not guarantee SmartMonitor can get all LAN traffic. Because LAN switch mostly forward LAN data directly without sending it to Vigor monitor port.
3. In some specific environment, monitor port can capture LAN-to-LAN traffic. For example, PC connect to Vigor LAN P1 access PC2 in P2.

Item	Description
No	The index number of the IP address of the user.
Recording	Check the box to record the network usage of the IP address.
IP	Display the IP address of the user.
User Name	Define a name for each user. Such name is easily and convenient to be identified when viewing various records such as Top 10.
Group	Make a group for such IP address.
Emphasize	If you check the box here, a red sign “*” will be marked between the fields of user name and IP address. Such mark is used to remind the administrator that this user is “important”.


LAN-to-LAN	Allow Local LAN PC communication to be monitored by Smart Monitor if such data is forwarded by monitor port.
Delete	Delete this selected IP.

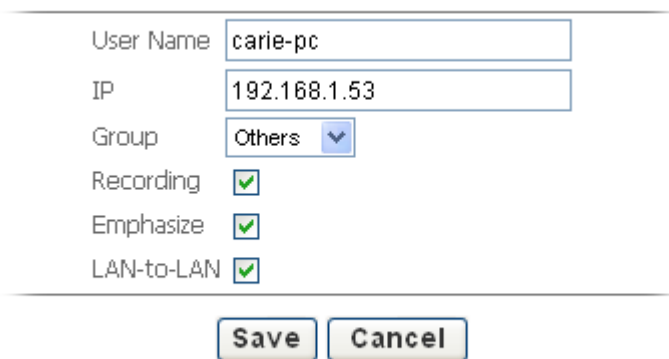
3. Type in username separately by mapping with each IP address.
4. Choose the group that such IP address would be combined.
5. Click **Save** to save the configuration.

In some cases, some servers might not send out information automatically, so they will be not listed. For this, please add the users (s) manually.

To manually add the user, please follow the steps listed below to create a new one.


1. Open **User Settings>>User List**.











2. Click the **New User**  icon. The following screen will appear.



3. Type a name (e.g., carie-pc) for the user in the field of **User Name**. Specify the IP address of the new user. Choose one of the groups from Group drop-down list. Check the boxes of Recording, Emphasize and LAN-to-LAN if required.
4. Click **Save**.

Below shows a figure of new user added (displayed on User List page).

User List 

No.	<input checked="" type="checkbox"/> Recording	IP	User Name	Group	<input type="checkbox"/> Emphasize	<input type="checkbox"/> LAN-to-LAN	Delete
1	<input checked="" type="checkbox"/>	192.168.1.53*	carie-pc	Others	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	<input checked="" type="checkbox"/>	172.16.0.193		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3	<input checked="" type="checkbox"/>	172.16.1.238		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4	<input checked="" type="checkbox"/>	172.16.2.11		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5	<input checked="" type="checkbox"/>	172.16.2.16		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6	<input checked="" type="checkbox"/>	172.16.2.18		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	<input checked="" type="checkbox"/>	172.16.2.19		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8	<input checked="" type="checkbox"/>	172.16.2.65		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9	<input checked="" type="checkbox"/>	172.16.2.76		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10	<input checked="" type="checkbox"/>	172.16.2.84		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Save

Note:

- In **User List** page, it will be convenient for management by setting a user name for every IP address

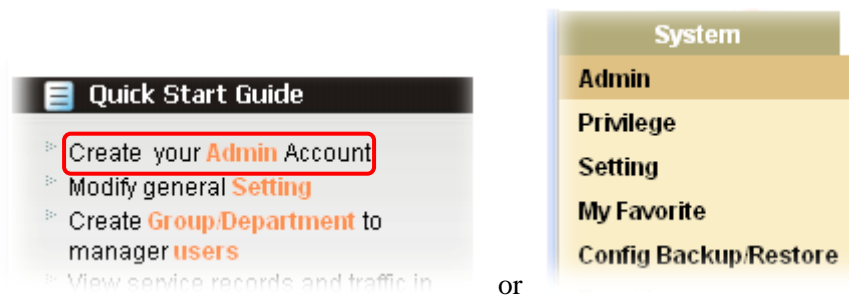
- You can group the users for monitoring the configuration and easily managing. For the detailed of group, it will be introduced in later sections.

2.6 Create/Modify Admin Account


It is not safe to use the default user name and password. It is strongly suggested to modify user name and password after registering Smart Monitor. Additionally, an admin account can only login one PC at a time. Therefore, please create different accounts and passwords for different administrators.

Please follow the steps listed below to create a new one. Such account will be used for accessing into Smart Monitor next time.

- Click the **Admin** link from the **Create your Admin Account** located in **Quick Start Guide** area or open **System>>Admin**.



- Click the **New Admin**  icon.

Admin 				
Admin Name	E-Mail	Language	Privilege	Delete
admin		English	Administrator	

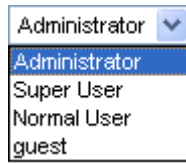
- The following screen will appear.

Admin Name	<input type="text" value="carrie"/>
Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>
E-Mail	<input type="text" value="carrie_ni@draytek.com"/>
E-Mail Alert Keyword (e.g. google, sina)	<input type="text"/>
Language	<input type="text" value="English"/>
Privilege	<input type="text" value="Administrator"/>

*View Access : FTP Mail HTTP IM Media Telnet P2P Webdown Stock Game SIP DNS Query VPN IPSEC VPN Search Engine
 *Delete Access : FTP Mail HTTP IM Media Telnet P2P Webdown Stock Game SIP DNS Query VPN IPSEC VPN Search Engine
 *DB Operation : Enable

- Type a name (e.g., carrie) as the **Admin Name** and type the password in the field of **Password**. Next, type the password again in **Confirm Password**.
- Type the E-Mail address in **E-Mail** field. Such address will be used to receive the alert messages, reports files sent from Smart Monitor.
- Language** field is very important for it determines the language system display for Smart Monitor when administrators log in.

- Determine the privilege from the drop-down list. **Privilege** field allows you to choose the type of administrator. There are four types of privilege. The authority of the administrator can be defined in **System>>Privilege**.



- Click **Save**.

Below shows a figure of new admin account added.

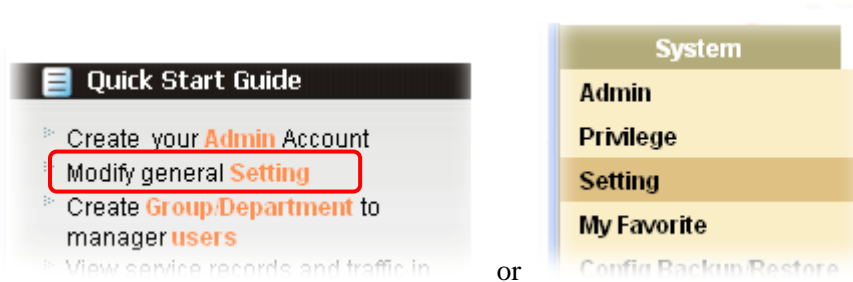
Admin +

Admin Name	E-Mail	Language	Privilege	Delete
admin		English	Administrator	
carrie	carrie_ni@draytek.com	English	Administrator	

2.7 Adjust System Settings

Please follow the steps listed below to modify current system settings for Smart Monitor. The default settings will be shown on such page. You can change settings for SMTP, modify the recording type, or adjust the disk space and session timeout, etc.

- Click the **Setting** link from the **Modify General Setting** located in **Quick Start Guide** area or open **System >>Setting**.



- The screen is shown as follows.

Setting

SMTP

Server: 0.0.0.0 Need authentication:

Port: 25 Username: _____

Mail Box: _____ Password: _____

Admin Login Control

When retry over 3 times, block IP for 10 Min. [Current blocking list](#)

Recording

FTP Mail HTTP IM Media Telnet P2P Webdown Stock
 Game SIP DNS VPN IPSEC Search Engine

Months to keep backup files in disk: 6 (1-12) months

Max FTP filesize: 10 (1-100) MB Max mail attached file size: 10 (1-10) MB

Time (e.g. 12:00-13:00, 14:00-15:00): not recording

Subnet (e.g. 192.168.1.0/24, 172.16.0.0/16): not recording

Domain keyword (e.g. google, sina): not recording

WebDown file type

avi bin bz2 doc exe gz gzip img iso lzh m4a mov mp3
mp4 mpa mpe mpeg mpg mai ogg pdf ppt plj pps qt ra ram
rar rm rmvb sea sit sitx tar wav wma wmv z zip

Administration

When free disk space is below 200 (>200) MB Warn at firstpage Send email

Session Timeout: 60 Min. Allow login anonymously:

Interface: Atheros AR8121/AR8113/AR8114 PCI-E Ethernet Controller

IP: 192.168.1.10 Gateway: 192.168.1.5 Mask: 255.255.255.0

TimeZone: (GMT +8:00) Beijing, Perth, Singapore, Hong Kong

Save

- Modify the ones you want.
- Click **Save**.

Note: It's very important to choose right **Interface** for Smart Monitor, especially a PC has more than one ethernet/wireless card.

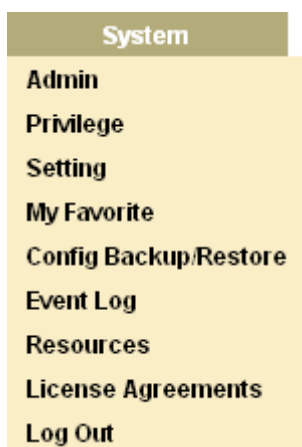
This page is left blank.

3. Advanced Operation

This chapter introduces all the functions and configurations in Smart Monitor in detailed.

3.1 System

Such menu allows you to set password/name for logging into Smart Monitor, set privilege for having different authorities, backup or restoring the configuration, set event log, and etc.



3.1.1 Admin


The name and password configured here will be utilized while logging into Smart Monitor every time. In addition, it allows you to set different privilege for different administrator account. The admin account can view records and delete records according to the privilege configured.

Admin				
Admin Name	E-Mail	Language	Privilege	Delete
admin		English	Administrator	

Item	Description
Admin	Display the name for administration.
E-Mail	Display the e-mail address for such account.
Language	Display the language for data recorded.
Privilege	Display the privilege for such account.
Delete	Allow to remove such account. In general, the name “admin” is the default setting and cannot be removed.

Note: The privilege of the administrator can be modified in **System>>Privilege**.

Add a New Admin Account

Click the **New Admin**  icon. The following screen will appear.

New Admin

Admin Name	<input type="text" value="carrieni"/>
Password	<input type="password" value="*****"/>
Confirm Password	<input type="password" value="*****"/>
E-Mail	<input type="text" value="carrie_ni@draytek.com"/>
E-Mail Alert Keyword (e.g. google, sina)	<input type="text"/>
Language	<input type="text" value="English"/>
Privilege	<input type="text" value="Administrator"/>
<small>*View Access : FTP Mail HTTP IM Media Telnet P2P Webdown Stock Game SIP DNS Query VPN IPSEC VPN Search Engine *Delete Access : FTP Mail HTTP IM Media Telnet P2P Webdown Stock Game SIP DNS Query VPN IPSEC VPN Search Engine *DB Operation : Enable</small>	
<input type="button" value="Save & Login"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Item	Description
Admin Name	Type the name for the new administrator.
Password	Type the password for the new administrator.
Confirm Password	Type the new password again to make a confirmation.
E-Mail	Type an e-mail address in such field. All the records will be sent to the address specified here for reference.
E-Mail Alert Keyword	Set a keyword in such field, When a user searches such keyword, an e-mail alert will be sent to the administrator for notification.
Language	At present, there are only Simply Chinese and English offered. Choose any one of them for recording the monitored results. <div style="display: flex; align-items: center;"> Language <div style="border: 1px solid black; padding: 2px;"> English English Simple Chinese Turkish Traditional Chinese </div> </div>
Privilege:	Please assign the privilege for the new admin account. There are three privilege provided by Smart Monitor and each account will have different monitoring effect based on the privilege specified here. <div style="display: flex; align-items: center;"> Privilege <div style="border: 1px solid black; padding: 2px;"> Normal User Administrator Super User Normal User guest </div> </div>
Save & Login	Save the settings and exit SmartMonitor. Then SmartMonitor will re-login automatically with the new saved user name and password.
Save	Save the settings only.

Below shows an example:

Admin



Admin Name	E-Mail	Language	Privilege	Delete
admin		English	Administrator	
carrieni	carrie_ni@draytek.com	English	Administrator	

In the above example, “admin” owns the highest privilege – **Administrator**. That means the one accessing into Smart Monitor with such name can view and delete all of the records for different user accounts that controlled and monitored by Smart Monitor. “Admin” is the default setting and cannot be deleted.

3.1.2 Privilege

There are many services can be monitored under Smart Monitor. However, administrators with different privileges will have different authority to view, delete the records or make different operation. There are three **default** types of privilege, **Administrator**, **Super User** and **Normal User** provided here for you to specify for different purposes.

Privilege



Type	Description	View Access	Delete Access	Members	Delete
Administrator		FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	2	
Super User		FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, HTTP, Media, Telnet, P2P, Webdown	0	
Normal User		FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	0	

Add a New Privilege Type

Click the **New Privilege Type** icon. The following screen will appear.

New Privilege Type

Type	viewonly															
Description	view all records															
	FTP	Mail	HTTP	IM	Media	Telnet	P2P	Webdown	Stock	Game	SIP	DNS Query	VPN	IPSEC VPN	Search Engine	
View Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Delete Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Save		Cancel													

Item	Description
Type	Type the name for the new privilege type.
Description	Type the brief introduction for such privilege.
View Access	Check the service(s) that allows to be inspected by the admin account.
Delete Access	Check the service(s) that allows to be deleted by the admin account.
Save	Save the settings for such type.

Below shows a figure of new Privilege Type added.

Privilege

Type	Description	View Access	Delete Access	Members	Delete
Administrator		FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	2	
Super User		FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, HTTP, Media, Telnet, P2P, Webdown	0	
Normal User		FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, HTTP, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	0	
viewonly	view all records	FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	FTP, Mail, HTTP, IM, Media, Telnet, P2P, Webdown, Stock, Game, SIP, DNS Query, VPN, IPSEC VPN, Search Engine	0	

Modify the Existing Privilege Type

You can change the description of the privilege, change the members under the privilege, change the items for viewing, deleting under the privilege by double clicking the name link under type filed.

Modify Privilege

viewonly


Description:

	FTP	Mail	HTTP	IM	Media	Telnet	P2P	Webdown	Stock	Game	SIP	DNS Query	VPN	IPSEC VPN	Search Engine
View Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Members (0)															

Item	Description
Description	To change the description for the selected privilege type, simply retype new description here.
View Access	Check the one(s) and uncheck the one(s) you desire for viewing records under the selected privilege type. Only the records of the items checked here can be inspected next time when you access into Smart Monitor by using the admin account with such privilege.
Delete Access	Check the one(s) and uncheck the one(s) you desire for deleting records under the selected privilege type. Only the records of the items checked here can be deleted next time when you access into Smart Monitor by using the admin account with such privilege.
Members	Display the admin accounts which selected such privilege.
Save	Save the modification for such privilege.

3.1.3 Setting

This page can make general settings for Smart Monitor. For example, if you do not setup SMTP settings, you cannot receive daily/weekly/monthly report from Smart Monitor.



SMTP

Server: Need authentication:

Port: Username:

Mail Box: Password:

Admin Login Control

When retry over times, block IP for Min. [Current blocking list](#)

Recording


FTP
 Mail
 HTTP
 IM
 Media
 Telnet
 P2P
 Webdown
 Stock
 Game
 SIP
 DNS
 VPN
 IPSEC
 Search Engine
 Months to keep backup files in disk: (1-12) months
 Max FTP filesize: (1-100) MB Max mail attached file size: (1-10) MB
 Time (e.g. 12:00-13:00, 14:00-15:00) not recording:
 Subnet (e.g. 192.168.1.0/24, 172.16.0.0/16) not recording:
 Domain keyword (e.g. google, sina) not recording:
 WebDown file type:

Administration

When free diskspace is below (>200) MB Warn at firstpage Send email
 Session Timeout: Min. Allow login anonymously:

Interface:
 IP: 192.168.1.10 Gateway: 192.168.1.5 Mask: 255.255.255.0

TimeZone:

Item	Description
	Click such icon to restore the factory default settings.
SMTP	<p>Server – Type the IP address for the SMTP server, e.g., 172.16.3.9.</p> <p>Port – Type the port number of the specified SMTP server above.</p> <p>Mailbox – Type the e-mail address for the SMTP Server.</p> <p>Need authentication – If you check this box, you have to enter Username and Password specified here to access into the SMTP server next time.</p> <p>Username – Type the username for accessing into the above SMTP server. It will be active only when Need authentication box is selected.</p> <p>Password - Type the password for accessing into the above SMTP server. It will be active only when Need authentication box is selected.</p>
Admin Login Control	<p>Such area is configured for preventing password crack if someone (IP listed in Current blocking list) tries to login with wrong username or password for certain times</p> <p>Current blocking list – Display the IP address blocked by Smart Monitor.</p>
Recording	You can check or uncheck these services respectively to be

	<p>used and recorded by Smart Monitor.</p> <p>Months to keep backup files in disk – Specify the recording period for the services. The available number is from 0 to 12. In the above example, it means the recording job will be deleted automatically after six months.</p> <p>Max FTP filesize – The maximum file size for downloading from or uploading on FTP web site can be restricted in this box.</p> <p>Max mail attached file size – The maximum file size for mail attached file can be restricted in this box.</p> <p>Time not recording – Type the time to inform the system not recording the related information for that time.</p> <p>Subnet not recording – Type the subnet address to inform the system not recording related information for that address.</p> <p>Domain keyword not recording – Type the keyword to inform the system not recording related information for that word.</p> <p>WebDown file type – Specify which type of the file download will be monitored.</p>
<p>Administration:</p>	<p>When free diskspace below – A warning message will be shown on the first page of Smart Monitor and/or be sent to the dedicated e-mail address from Smart Monitor when the free disk space is lower than the number specified here.</p> <p>Session Timeout – Smart Monitor will be terminated automatically based on the value configured here.</p> <p>Allow login anonymously – If you check this box, anyone can access into Smart Monitor through Anonymous Login for viewing the records easily. Only System and User Analysis menus can be operated by the user.</p> <div data-bbox="678 1328 1246 1691" data-label="Image"> </div> <p>If you uncheck this box, no one but the administrator can access into Smart Monitor.</p>

DrayTek Smart Monitor

Login

Username

Password [Forget password?](#)

Interface - Use the drop down list to choose the interface for Smart Monitor.

TimeZone – Choose the correct time zone for your place.

Save - Save the settings.

3.1.4 My Favorite Search

You can define the search of certain data which you want to check or review frequently as a profile through this page.

My Favorite Search

FTP	Mail
Search Name Description Delete Search	Search Name Description Delete Search
HTTP	IM
Search Name Description Delete Search	Search Name Description Delete Search
Media	Telnet
Search Name Description Delete Search	Search Name Description Delete Search
P2P	Webdown
Search Name Description Delete Search	Search Name Description Delete Search
Stock	Game
Search Name Description Delete Search	Search Name Description Delete Search
SIP	DNS Query
Search Name Description Delete Search	Search Name Description Delete Search
VPN	IPSEC VPN
Search Name Description Delete Search	Search Name Description Delete Search
Search Engine	
Search Name Description Delete Search	

Add a New Search Type

Click the **New Search**  icon. The following screen will appear.

New Search

FTP

Search Name

Description

User

File

Host

Dir

Size -

Today

From To

Item	Description
Type Selection	There are eight types that you can specify for searching job, including FTP, HTTP, Telnet, Webdown, Mail, IM, P2P,..... and so on.
Search Name	Type a name for search.
Description	Give a brief description for such search.
User	Type the name of the created user that you want to search.
File	Type the file name that you want to search.
Host	Type the IP address of the host that you want to search.
Dir	Display the direction for file download or file upload. <div style="border: 1px solid #ccc; padding: 5px; width: fit-content;"> <input type="button" value="Any"/> <input type="button" value="v"/> <input type="button" value="Any"/> <input type="button" value="Upload"/> <input type="button" value="Download"/> </div>

Size	Specify the file size of the file(s) that you want to search. The unit of the file contains B, KB and MB.
Today	The system will search the data processed today and display on the screen.
From..... To.....	Specify the date(s) for the system to search. Use the drop down calendar to choose the start date and end date.
Save	Save the settings.

3.1.5 Configuration Backup/Restoration

You can save current configurations as a file. Later, you can upload the file to your PC.

Config Backup/Restore

Restoration

Select a configuration file.

Restore configuration from version below 2.4.0.
 Select old configuration file charset:

Click Restore to upload the file.

Backup

Click Backup to download current running configurations as a file.

3.1.6 Event Log

This page displays administrator's operation records of Smart Monitor.









Event Log

5 pcs/1 Pages
Latest 20 days

Log Time	Admin Name	Log IP	Level	Message
<input type="checkbox"/> 2014-02-19 11:33:44	admin	127.0.0.1	Privilege	[ADD] viewonly
<input type="checkbox"/> 2014-02-19 11:29:52	admin	127.0.0.1	Admin	[ADD] carrieni
<input type="checkbox"/> 2014-02-19 11:19:38	admin	127.0.0.1	Tree View	[ADD] 192.168.1.55: UserName=Sandy
<input type="checkbox"/> 2014-02-19 11:13:30	admin	127.0.0.1	Group/Department	[ADD] office-1
<input type="checkbox"/> 2014-02-19 08:57:24	admin	127.0.0.1	System	[Login] Success

Item	Description
Log Time	Display the login time for the user or the administrator.
Admin Name	Display the privilege of the user or the administrator.
LogIP	Display the IP address of the user or the administrator.
Level	Display the menu item of the user or the administrator.
Message	Display brief description of the action executed by the user or the administrator.
Latest 20 days	Such table can display daily traffic report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

							
Open Search Mode	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

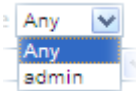
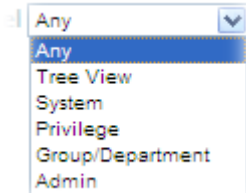
Searching Record

By clicking the  **Open Search Mode** icon, you will get the following page.

<input type="checkbox"/>	2014-02-19 11:19:38	admin	127.0.0.1	Tree View	[ADD] 192.168.1.55: UserName=Sandy
<input type="checkbox"/>	2014-02-19 11:13:30	admin	127.0.0.1	Group/Department	[ADD] office-1
<input type="checkbox"/>	2014-02-19 08:57:24	admin	127.0.0.1	System	[Login] Success

Admin Name Log IP Message

Level From To

Item	Description
Admin Name:	Choose the name for searching the records under it. 
Log IP	Type the IP address for searching the records under it.
Message	Type the message for searching the records with it.
Level	Choose the level for searching the records based on it. 
From.....To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page

Example

To list the event log of Log IP 172.16.3.102, please specify the IP in the field of Log IP and click Search.

<input type="checkbox"/>	2010-12-15 09:21:00	admin	172.16.3.148	System	[Login] Success
--------------------------	---------------------	-------	--------------	--------	-----------------

Admin Name Log IP Message

Level From To

The searching result will be shown as follows:

Log Time	Admin Name	Log IP	Level	Message
<input type="checkbox"/> 2010-12-27 14:07:15	admin	172.16.3.102	System	[LogIn] Success
<input type="checkbox"/> 2010-12-27 10:45:25	admin	172.16.3.102	System	[LogIn] Success
<input type="checkbox"/> 2010-12-27 10:15:38	admin	172.16.3.102	System	[LogIn] Success
<input type="checkbox"/> 2010-12-27 10:12:20	guest	172.16.3.102	System	[LogIn] Success
<input type="checkbox"/> 2010-12-27 10:12:20	guest	172.16.3.102	System	[LogIn] Success






Admin Name Log IP Message
 Level From To







3.1.7 Resources

Such page displays current system resources information about listening IP, kernel version, processor model, CPU speed, BUS speed, Cache size, total memory, memory usage and mounted file systems and etc. If there is something wrong, such as insufficient disk space, the administrator can know it and process it immediately.

Resources

System Vital		Hardware Information	
Canonical Hostname	sm6	Processors	2
Listening IP	172.16.0.193	Model	Intel(R) Core(TM)2 Duo CPU E7400 @ 2.80GHz
Kernel Version	2.6.35-22-generic-pae (SMP)	CPU Speed	2.79 GHz
Distro Name	Ubuntu 10.10	Cache Size	3.00 MB
Uptime	5 days 20 hours 31 minutes	System Bogomips	11173.16

Memory Usage				
Type	Percent Capacity	Free	Used	Size
Physical Memory	 15%	3.32 GB	586.23 MB	3.89 GB
- Kernel + applications	 2%		78.16 MB	
- Buffers	 4%		152.90 MB	
- Cached	 9%		355.18 MB	
Disk Swap	 0%	11.72 GB	0.00 KB	11.72 GB

Mounted Filesystems						
Mount	Type	Partition	Percent Capacity	Free	Used	Size
/	ext4	/dev/sda5	 0%	259.24 GB	1.01 GB	274.18 GB
/dev	devtmpfs	none	 0% (1%)	1.94 GB	188.00 KB	1.94 GB
/dev/shm	tmpfs	none	 0% (1%)	1.95 GB	0.00 KB	1.95 GB
/var/lock	tmpfs	none	 0% (1%)	1.95 GB	0.00 KB	1.95 GB
/var/run	tmpfs	none	 0% (1%)	1.95 GB	36.00 KB	1.95 GB
Totals :			 0%	261.18 GB	1.01 GB	276.12 GB

3.1.8 License Agreement

Such page displays the license agreement of program libraries used in Smart Monitor.

License Agreements

Winpcap license		
Name	Author	License Page
winpcap		www.winpcap.org/misc/copyright.htm

GPL		
Name	Author	License Page
phpsysinfo		www.gnu.org/licenses/gpl.html
eAccelerator		www.gnu.org/licenses/gpl.html

Apache License		
Name	Author	License Page
Apache		www.apache.org/licenses/licenses/LICENSE-2.0

PHP Licensing		
Name	Author	License Page
PHP		www.php.net/license/3_01.txt

Public domain		
Name	Author	License Page
SQLite		www.sqlite.org/copyright.html

3.1.9 Log Out

Choose this menu item to quit Smart Monitor.

3.2 User Setting

User Setting allows you to create new group/department and users for monitored by Smart Monitor. In addition, it also offers tree view for all the accounts to be checked in ease.

User Setting
Group/Department
User List
Tree View

3.2.1 Group/Department

This page can display current created group/department. It allows you to create new groups, modify existing group, and change the members to be controlled under the specified group.

Group/Department

Group Name	Description	Active	Emphasize	Members	Delete
Others	Default Group/Department	Y	N	6	

Item	Description
Group Name	Display the name of the group/department for current user.
Description	Display the explanation for the group.
Active	Display the status for current group, Y(active) or N (inactive) .
Emphasize	IP/name followed by red mark “*” can assist the administrator to find out the ones being monitored specially and quickly within lots of records.
Members	Display the number of the members included in such group.
Delete	Remove the selected group.

Add a New Group/Department

Click the **New Group/Department**  icon. The following screen will appear.

New Group/Department

Group Name	<input type="text" value="office-1"/>
Description	<input type="text" value="for marketing"/>
Active	<input checked="" type="checkbox"/>
Emphasize	<input type="checkbox"/>
	<input checked="" type="checkbox"/> FTP <input checked="" type="checkbox"/> SMTP <input checked="" type="checkbox"/> POP3
	<input checked="" type="checkbox"/> HTTP <input checked="" type="checkbox"/> MSN <input checked="" type="checkbox"/> ICQ <input checked="" type="checkbox"/> YMSG <input checked="" type="checkbox"/> QQ
	<input checked="" type="checkbox"/> Media <input checked="" type="checkbox"/> Telnet
	<input checked="" type="checkbox"/> P2P
Recording	<input checked="" type="checkbox"/> Webdown <input checked="" type="checkbox"/> Stock <input checked="" type="checkbox"/> Game <input checked="" type="checkbox"/> SIP <input checked="" type="checkbox"/> DNS Query <input checked="" type="checkbox"/> VPN <input checked="" type="checkbox"/> IPSEC VPN <input checked="" type="checkbox"/> Search Engine
	Add new Members
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>


Item	Description																																																
Group Name	Type the name for the group (maximum 36 characters).																																																
Description	Make a simple explanation for such group.																																																
Active	Check the box to monitor such group.																																																
Emphasize	Check the box to make it as important group to be monitored (an sign * will be added to corresponding record).																																																
Recording	There are ten services provided by Smart Monitor. Check the one(s) that you want to record for such group.																																																
Add New Members	<p>Click such link to add existed users into such group. If you did not create any user beforehand, you would get nothing after clicking the link. Please add new users first.</p> <p style="text-align: center;"><input type="checkbox"/> Stock Add new Members</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> 172.16.0.193</td> <td><input type="checkbox"/> 172.16.1.238</td> <td><input type="checkbox"/> 172.16.2.101</td> <td><input type="checkbox"/> 172.16.2.102</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.106</td> <td><input type="checkbox"/> 172.16.2.11</td> <td><input type="checkbox"/> 172.16.2.120</td> <td><input type="checkbox"/> 172.16.2.128</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.129</td> <td><input type="checkbox"/> 172.16.2.132</td> <td><input type="checkbox"/> 172.16.2.133</td> <td><input type="checkbox"/> 172.16.2.141</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.145</td> <td><input type="checkbox"/> 172.16.2.16</td> <td><input type="checkbox"/> 172.16.2.163</td> <td><input type="checkbox"/> 172.16.2.164</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.17</td> <td><input type="checkbox"/> 172.16.2.178</td> <td><input type="checkbox"/> 172.16.2.18</td> <td><input type="checkbox"/> 172.16.2.182</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.189</td> <td><input type="checkbox"/> 172.16.2.19</td> <td><input type="checkbox"/> 172.16.2.193</td> <td><input type="checkbox"/> 172.16.2.201</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.205</td> <td><input type="checkbox"/> 172.16.2.212</td> <td><input type="checkbox"/> 172.16.2.214</td> <td><input type="checkbox"/> 172.16.2.218</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.220</td> <td><input type="checkbox"/> 172.16.2.225</td> <td><input type="checkbox"/> 172.16.2.233</td> <td><input type="checkbox"/> 172.16.2.247</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.65</td> <td><input type="checkbox"/> 172.16.2.76</td> <td><input type="checkbox"/> 172.16.2.84</td> <td><input type="checkbox"/> 172.16.2.85</td> </tr> <tr> <td><input type="checkbox"/> 172.16.2.86</td> <td><input type="checkbox"/> 172.16.2.96</td> <td><input type="checkbox"/> 172.16.3.117</td> <td><input type="checkbox"/> 172.16.3.142</td> </tr> <tr> <td><input type="checkbox"/> 172.16.3.152</td> <td><input type="checkbox"/> 172.16.3.193</td> <td><input type="checkbox"/> 172.16.3.198</td> <td><input type="checkbox"/> 172.16.3.223</td> </tr> <tr> <td><input type="checkbox"/> 172.16.3.81</td> <td><input type="checkbox"/> 172.16.3.99</td> <td><input type="checkbox"/> carie-pc*</td> <td></td> </tr> </table> <p style="text-align: center;"><input type="button" value="Save"/> <input type="button" value="Cancel"/></p>	<input type="checkbox"/> 172.16.0.193	<input type="checkbox"/> 172.16.1.238	<input type="checkbox"/> 172.16.2.101	<input type="checkbox"/> 172.16.2.102	<input type="checkbox"/> 172.16.2.106	<input type="checkbox"/> 172.16.2.11	<input type="checkbox"/> 172.16.2.120	<input type="checkbox"/> 172.16.2.128	<input type="checkbox"/> 172.16.2.129	<input type="checkbox"/> 172.16.2.132	<input type="checkbox"/> 172.16.2.133	<input type="checkbox"/> 172.16.2.141	<input type="checkbox"/> 172.16.2.145	<input type="checkbox"/> 172.16.2.16	<input type="checkbox"/> 172.16.2.163	<input type="checkbox"/> 172.16.2.164	<input type="checkbox"/> 172.16.2.17	<input type="checkbox"/> 172.16.2.178	<input type="checkbox"/> 172.16.2.18	<input type="checkbox"/> 172.16.2.182	<input type="checkbox"/> 172.16.2.189	<input type="checkbox"/> 172.16.2.19	<input type="checkbox"/> 172.16.2.193	<input type="checkbox"/> 172.16.2.201	<input type="checkbox"/> 172.16.2.205	<input type="checkbox"/> 172.16.2.212	<input type="checkbox"/> 172.16.2.214	<input type="checkbox"/> 172.16.2.218	<input type="checkbox"/> 172.16.2.220	<input type="checkbox"/> 172.16.2.225	<input type="checkbox"/> 172.16.2.233	<input type="checkbox"/> 172.16.2.247	<input type="checkbox"/> 172.16.2.65	<input type="checkbox"/> 172.16.2.76	<input type="checkbox"/> 172.16.2.84	<input type="checkbox"/> 172.16.2.85	<input type="checkbox"/> 172.16.2.86	<input type="checkbox"/> 172.16.2.96	<input type="checkbox"/> 172.16.3.117	<input type="checkbox"/> 172.16.3.142	<input type="checkbox"/> 172.16.3.152	<input type="checkbox"/> 172.16.3.193	<input type="checkbox"/> 172.16.3.198	<input type="checkbox"/> 172.16.3.223	<input type="checkbox"/> 172.16.3.81	<input type="checkbox"/> 172.16.3.99	<input type="checkbox"/> carie-pc*	
<input type="checkbox"/> 172.16.0.193	<input type="checkbox"/> 172.16.1.238	<input type="checkbox"/> 172.16.2.101	<input type="checkbox"/> 172.16.2.102																																														
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<input type="checkbox"/> 172.16.2.129	<input type="checkbox"/> 172.16.2.132	<input type="checkbox"/> 172.16.2.133	<input type="checkbox"/> 172.16.2.141																																														
<input type="checkbox"/> 172.16.2.145	<input type="checkbox"/> 172.16.2.16	<input type="checkbox"/> 172.16.2.163	<input type="checkbox"/> 172.16.2.164																																														
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<input type="checkbox"/> 172.16.2.205	<input type="checkbox"/> 172.16.2.212	<input type="checkbox"/> 172.16.2.214	<input type="checkbox"/> 172.16.2.218																																														
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<input type="checkbox"/> 172.16.2.65	<input type="checkbox"/> 172.16.2.76	<input type="checkbox"/> 172.16.2.84	<input type="checkbox"/> 172.16.2.85																																														
<input type="checkbox"/> 172.16.2.86	<input type="checkbox"/> 172.16.2.96	<input type="checkbox"/> 172.16.3.117	<input type="checkbox"/> 172.16.3.142																																														
<input type="checkbox"/> 172.16.3.152	<input type="checkbox"/> 172.16.3.193	<input type="checkbox"/> 172.16.3.198	<input type="checkbox"/> 172.16.3.223																																														
<input type="checkbox"/> 172.16.3.81	<input type="checkbox"/> 172.16.3.99	<input type="checkbox"/> carie-pc*																																															
Save	Click this button to save the settings for such group.																																																

Below shows a figure of new group added.

Group/Department					
Group Name	Description	Active	Emphasize	Members	Delete
office-1	for marketing	Y	N	0	
Others	Default Group/Department	Y	N	5	

3.2.2 User List

This page displays all the created users with IP address, user name, group, and etc.

User List 


5 pcs/1 Pages Sort By IP

No.	<input type="checkbox"/> Recording	IP	User Name	Group	<input type="checkbox"/> Emphasize	<input type="checkbox"/> LAN-to-LAN	Delete
1	<input checked="" type="checkbox"/>	192.168.1.1	carrie_pc	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	192.168.1.5		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/>	192.168.1.10		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/>	192.168.1.12		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	<input checked="" type="checkbox"/>	192.168.1.255		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- 1.** LAN-TO-LAN is used when source and destination IP are in same subnet. For example, accessing internal mail server is typical LAN-TO-LAN application.
- 2.** Ticking LAN-TO-LAN option only means SmartMonitor handle LAN data which CAN be received, which does not guarantee SmartMonitor can get all LAN traffic. Because LAN switch mostly forward LAN data directly without sending it to Vigor monitor port.
- 3.** In some specific environment, monitor port can capture LAN-to-LAN traffic. For example, PC connect to Vigor LAN P1 access PC2 in P2.

Item	Description
No	Display the item number of the user.
Recording	Check this box to record data of that user.
IP	Display the IP address for the user.
User Name	Display the name of the user. You can change the name if you want.
Group	Display the group that the user belongs to. You can change the group by using the drop-down list.
Emphasize	It can assist the administrator to find out such user list in a short time. If you check this box, a “*” mark will be appended on IP address/Username of that user for identification.
LAN to LAN	Check this box to assist other users on the same subnet to find out this user and share information for each other easily. However, it is useful only for the users transferring data via this router.
Delete	Remove the selected user.
Save	Click this button to save the settings.

Add a New User

Click the **New User**  icon. The following screen will appear.

New User

User Name:

IP:

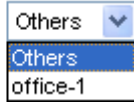

Group:

Recording:

Emphasize:

LAN-to-LAN:

Item	Description
User Name	Type the name for the user.

IP	Type the IP address for such user.
Group	Choose the group that you want such user belonging to. You can define different groups (e.g., office-1) in User Settings>>Group/Department . Group 
Recording	Check this box to record the network service of this user.
Emphasize	Check this box to make a sign “*” for that IP address/user name. It means that the user is monitored specially and it is convenient for the administrator to locate that one in lots of records. 
LAN to LAN	Check this box to make Smart Monitor recording the communication of interior network when the data passing through. If not check, Smart Monitor will just catch the data between interior and exterior networks.
Save	Click this button to save the settings for such user.

Note: After configuring user name, any data or record of that one will be displayed with username directly for people to check conveniently.


3.2.3 Tree View






Such page shows the group/department with users with tree view structure.





- 1.LAN-TO-LAN is used when source and destination IP are in same subnet. For example, accessing internal mail server is typical LAN-TO-LAN application.
- 2.Ticking LAN-TO-LAN option only means SmartMonitor handle LAN data which CAN be received, which does not guarantee SmartMonitor can get all LAN traffic. Because LAN switch mostly forward LAN data directly without sending it to Vigor monitor port.
- 3.In some specific environment, monitor port can capture LAN-to-LAN traffic. For example, PC connect to Vigor LAN P1 access PC2 in P2.

Below shows the expanded tree view:


Tree View 







Group/Department								
office-1 (0)								
Others (5)								
No.1	<input checked="" type="checkbox"/>	Recording	192.168.1.1		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.2	<input checked="" type="checkbox"/>	Recording	192.168.1.10		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.3	<input checked="" type="checkbox"/>	Recording	192.168.1.12		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.4	<input checked="" type="checkbox"/>	Recording	192.168.1.255		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.5	<input checked="" type="checkbox"/>	Recording	192.168.1.5		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	

- 1. LAN-TO-LAN is used when source and destination IP are in same subnet. For example, accessing internal mail server is typical LAN-TO-LAN application.
- 2. Ticking LAN-TO-LAN option only means SmartMonitor handle LAN data which CAN be received, which does not guarantee SmartMonitor can get all LAN traffic. Because LAN switch mostly forward LAN data directly without sending it to Vigor monitor port.
- 3. In some specific environment, monitor port can capture LAN-to-LAN traffic. For example, PC connect to Vigor LAN P1 access PC2 in P2.

If you want to add new group/department with different users, simply click the **New Group/Department**  icon to add a new group/department and click the **New User**  icon to add a new user.

The result will be displayed on **Tree View** immediately.

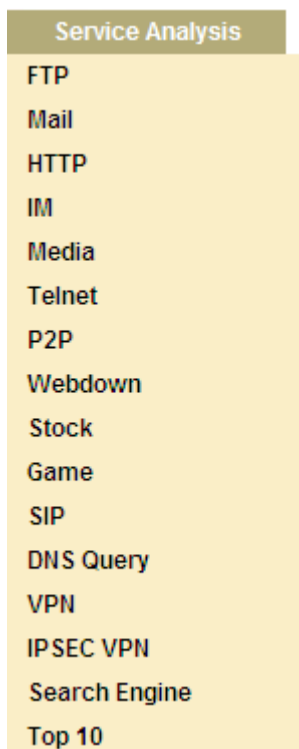
Tree View 

Group/Department								
office-1 (0)								
Others (6)								
No.1	<input checked="" type="checkbox"/>	Recording	192.168.1.1		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.2	<input checked="" type="checkbox"/>	Recording	192.168.1.10		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.3	<input checked="" type="checkbox"/>	Recording	192.168.1.12		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.4	<input checked="" type="checkbox"/>	Recording	192.168.1.255		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.5	<input checked="" type="checkbox"/>	Recording	192.168.1.5		Others	<input type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	
No.6	<input checked="" type="checkbox"/>	Recording	192.168.1.55*	Sandy	Others	<input checked="" type="checkbox"/> Emphasize	<input checked="" type="checkbox"/> LAN-to-LAN	

- 1. LAN-TO-LAN is used when source and destination IP are in same subnet. For example, accessing internal mail server is typical LAN-TO-LAN application.
- 2. Ticking LAN-TO-LAN option only means SmartMonitor handle LAN data which CAN be received, which does not guarantee SmartMonitor can get all LAN traffic. Because LAN switch mostly forward LAN data directly without sending it to Vigor monitor port.
- 3. In some specific environment, monitor port can capture LAN-to-LAN traffic. For example, PC connect to Vigor LAN P1 access PC2 in P2.










3.3 Service Analysis

This menu makes an analysis for the services such as FTP, MAIL, HTTP, IM, TELNET, P2P utilized by monitored users. Also, it will show the top 10 services that users like to use. With such analysis, the administrator can easily understand what kind of service is used frequently.



3.3.1 FTP










From this page, users can download files stored in FTP site.

FTP










Date/Time	User Name/IP	Dir	Host	Login ID	Password	File Name	Size
2014-02-14 15:26:12	172.16.3.81	↓	172.16.2.60	root	*****	Service_Step4.php	11.54 KB
2014-02-14 15:23:22	172.16.3.180	↓	172.16.2.60	root	*****	Service_Step4.php	11.54 KB
2014-02-14 15:22:18	172.16.3.180	↓	172.16.2.60	root	*****	Service_Step3.php	10.62 KB
2014-02-14 15:22:12	172.16.3.180	↑	172.16.2.60	root	*****	ServiceUpgrade.php	25.43 KB
2014-02-14 15:21:34	172.16.3.180	↑	172.16.2.60	root	*****	ServiceUpgrade.php	25.55 KB
2014-02-14 15:21:01	172.16.3.180	↓	172.16.2.20	tiptop	*****	tra_file.sch	1.12 KB
2014-02-14 15:15:41	172.16.3.180	↓	172.16.2.60	root	*****	ServiceLicense.php	58.98 KB
2014-02-14 15:14:13	172.16.3.180	↓	172.16.2.60	root	*****	ServiceUpgrade.php	25.02 KB
2014-02-14 15:13:42	172.16.3.180	↓	172.16.2.60	root	*****	Service_Step4.php	11.54 KB
2014-02-14 15:01:14	172.16.3.180	↓	172.16.2.20	tiptop	*****	trn_file.sch	3.67 KB







Item	Description
Date/Time	Display the date and time of the job of file uploading or downloading.
UserName/IP	Display the name of the user who upload or download the file.
Dir	Display the direction for file download (↓) or file upload (↑).
Host	Display the IP address of host location.
Login ID	Display the ID name of current user account.
Password	Display the password set for current user account.
File Name	Display the name of the file in FTP site.
Size	Display the file size.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	FTP Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

FTP      

0 pcs/1 Pages Latest 20 days Search Mode

Date/Time	User Name/IP	Dir	Host	Login ID	Password	File Name	Size
-----------	--------------	-----	------	----------	----------	-----------	------

User File Host Dir Any

Size KB From 2010-12-16 To 2010-12-16

Item	Description
User	Type the name of the created user that you want to search.
File	Type the file name that you want to search.
Host	Type the IP address of the host that you want to search.
Dir	Choose the direction (uploading file or download file) for the file that you want to search. Dir Any Upload Download
Size:	Specify the range of file size that you want to search. The unit of the file contains B, KB and MB.
From....To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page

Example:







To search the download or upload for the user, 172.16.3.179, specify the IP in the field of **User** and click **Search**.

<input type="checkbox"/>	2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-OK.JPG	18.46 KB
<input type="checkbox"/>	2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-WEB.JPG	103.32 KB
<input type="checkbox"/>	2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-WEB-2.JPG	119.64 KB

User 172.16.3.179 File Host Dir Any

Size KB From 2010-12-27 To 2010-12-27

The searching result will be shown as follows:

FTP      


3 pcs/1 Pages Latest 20 days Search Mode

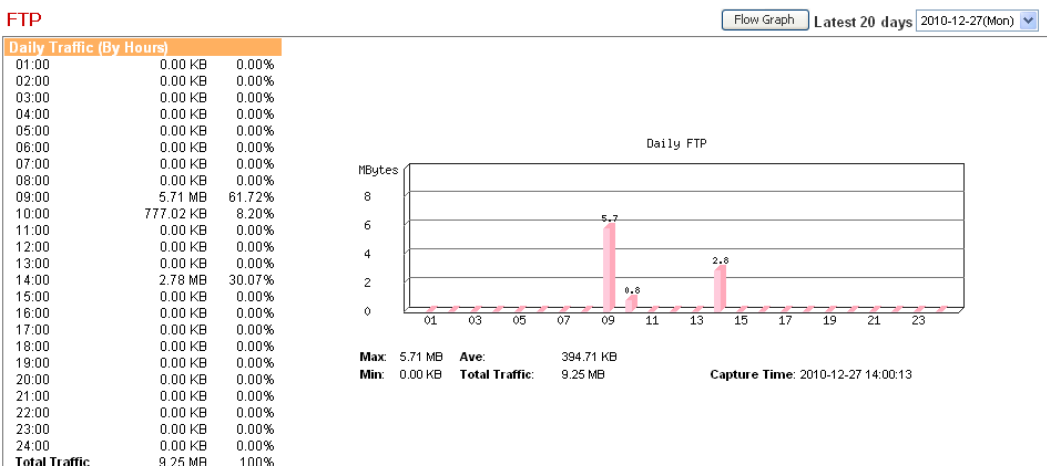
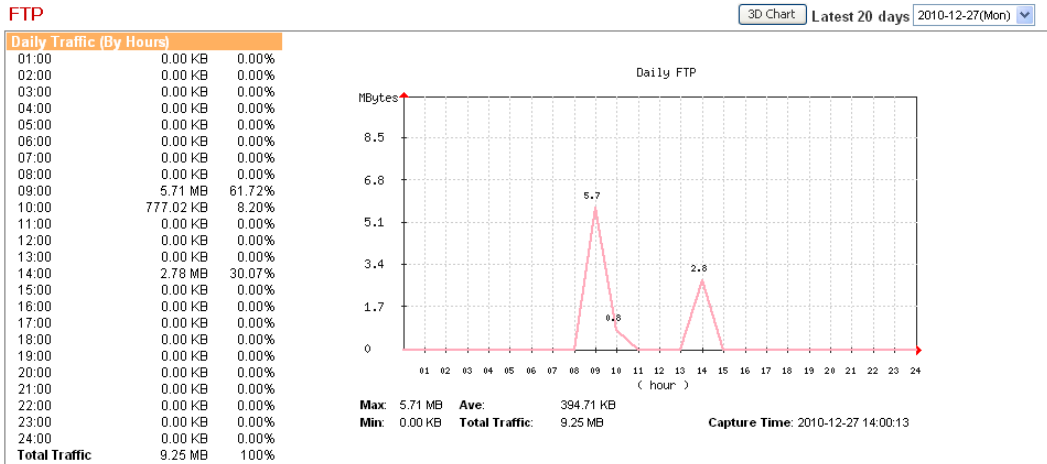
Date/Time	User Name/IP	Dir	Host	Login ID	Password	File Name	Size
<input type="checkbox"/>	2010-12-27 09:15:14	↑	219.84.203.49	MFT	*****	Taiwan.pdf	283.08 KB
<input type="checkbox"/>	2010-12-24 16:11:20	↑	219.84.203.49	MFT	*****	Vigor2710e_A&B_GP-包管V07.pdf	75.86 KB
<input type="checkbox"/>	2010-12-24 16:10:11	↑	219.84.203.49	MFT	*****	Vigor2710e_A&B_GP-包V07.pdf	793.13 KB

User 172.16.3.179 File Host Dir Any

Size KB From 2010-12-27 To 2010-12-27

Viewing Record


For FTP application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **FTP Traffic Report**  icon, the following dialog will appear.




Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

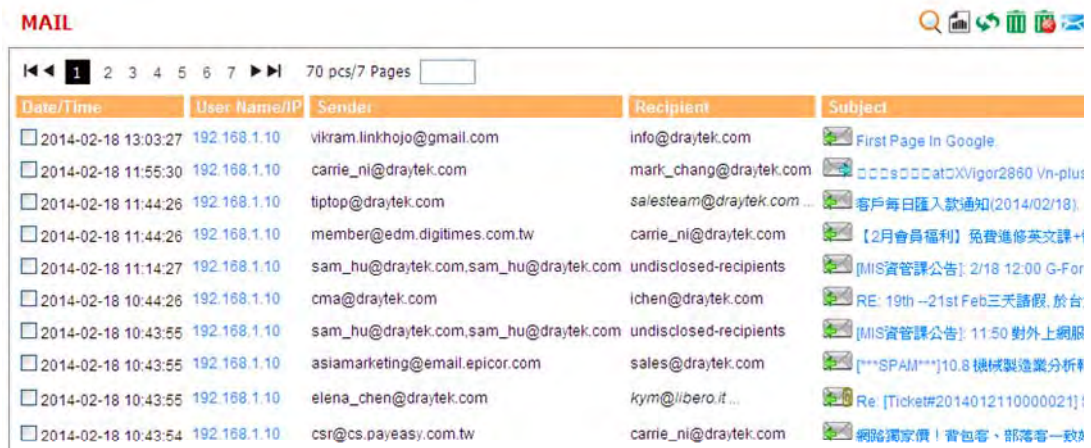
You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click Print all  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.2 MAIL

Such page displays detailed information (including user name, mail sender, mail recipient and subject of each mail) for all of the mails that belong to different users and monitored by Smart Monitor. The administrator can access into the mail box to read or view the content of that user easily. However, the administrator cannot change the content of the mail and cannot response to that sender or recipient through such record directly.












Date/Time	User Name/IP	Sender	Recipient	Subject
2014-02-18 13:03:27	192.168.1.10	vikram.linkhojo@gmail.com	info@draytek.com	First Page in Google
2014-02-18 11:55:30	192.168.1.10	carrie_ni@draytek.com	mark_chang@draytek.com	□□□□□□□□□□XVigor2860 Vn-plus
2014-02-18 11:44:26	192.168.1.10	tiptop@draytek.com	salesteam@draytek.com	客戶每日匯入款通知(2014/02/18)
2014-02-18 11:44:26	192.168.1.10	member@edm.digitimes.com.tw	carrie_ni@draytek.com	【2月會員福利】免費進修英文課+
2014-02-18 11:14:27	192.168.1.10	sam_hu@draytek.com,sam_hu@draytek.com	undisclosed-recipients	[MIS資管課公告]: 2/18 12:00 G-For
2014-02-18 10:44:26	192.168.1.10	cma@draytek.com	ichen@draytek.com	RE: 19th --21st Feb三天請假, 於台
2014-02-18 10:43:55	192.168.1.10	sam_hu@draytek.com,sam_hu@draytek.com	undisclosed-recipients	[MIS資管課公告]: 11:50 對外上網服
2014-02-18 10:43:55	192.168.1.10	asiamarketing@email.epicor.com	sales@draytek.com	[***SPAM***]10.8 機械製造業分析轉
2014-02-18 10:43:55	192.168.1.10	elena_chen@draytek.com	kym@libero.it...	Re: [Ticket#2014012110000021]:
2014-02-18 10:43:54	192.168.1.10	csr@cs.payeasy.com.tw	carrie_ni@draytek.com	網路獨家價! 書包客、部落客一致

Item	Description
Date/Time	Display the date and time for the email sending and receiving.
User Name/IP	Display the name (created in Smart Monitor) /corresponding IP address of the user who sends out /receives the email.
Sender	Display the sender of such mail.
Recipient	Display the recipient of such mail.
Subject	Display the title of the mail.
Size	Display the file size of the mail.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

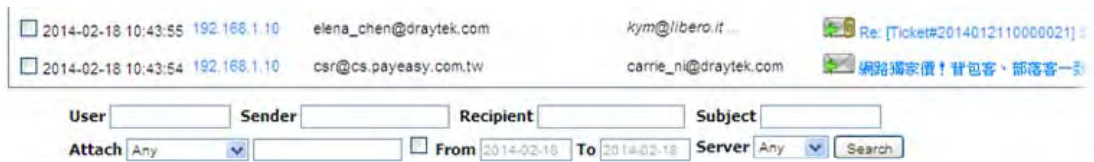
If you are interested in one of the mails, you can click the heading of that mail to view the detailed information (including sender, receiver, title, content and attachment) of that one. In which, the attachment can be downloaded easily.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

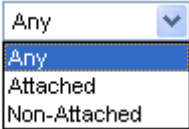

								
Open Search Mode	MAIL Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.



The screenshot shows a search interface with a list of records and search filters. The records list includes columns for checkboxes, timestamps, IP addresses, sender and recipient email addresses, and subject lines. Below the list are search filters for User, Sender, Recipient, Subject, Attach (with a dropdown menu), From (with a date range), To (with a date range), and Server (with a dropdown menu), followed by a Search button.

Item	Description
User	Type the name of the created user that you want to search.
Sender	Type the mail address of the sender that you want to search.
Recipient	Type the mail address of the recipient that you want to search.
Subject	Type the title of the mail that you want to search.
Attach	Choose the mail with file attached or non-attached that you want to search. 
From....To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Server	Choose the server that you want to search. 
Search	Click this button to execute searching job and display on this page

Example:

To search relational information for the user, 172.16.3.162, specify the IP in the field of **User** and click **Search**.


The searching result will be shown as follows:

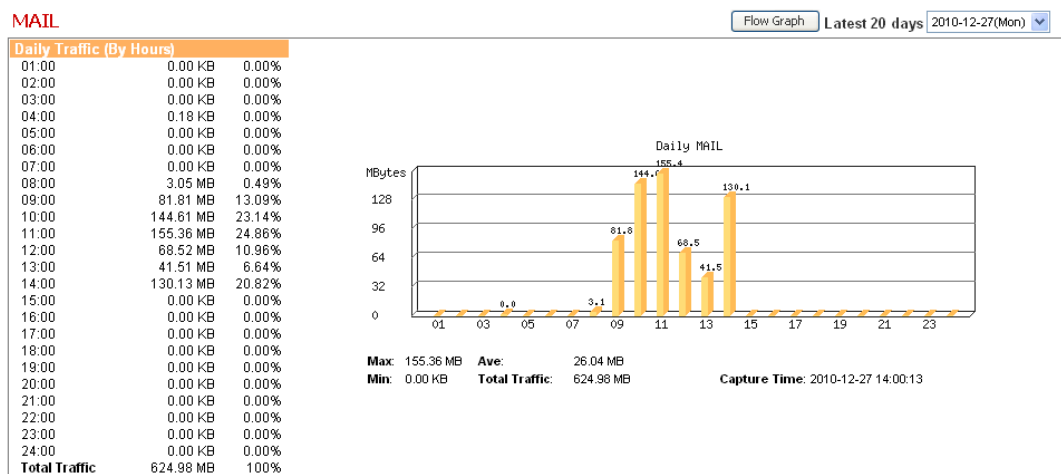
Date/Time	User Name/IP	Sender	Recipient	Subject	Size
2010-12-27 10:57:56	172.16.3.162	grace_512@pchome.com.tw	alexw@tw.kingbright.com	Re: 意見調查	0.01 KB
2010-12-27 10:52:34	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆: Re: 回覆	0.06 KB
2010-12-27 10:52:29	172.16.3.162	grace_512@pchome.com.tw	alexw@tw.kingbright.com	回覆	0.04 KB
2010-12-27 10:50:24	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	Re: Re: 回覆	2.32 KB
2010-12-27 10:48:57	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆: Re: 回覆	0.02 KB
2010-12-27 10:48:56	172.16.3.162	grace_512@pchome.com.tw	alexw@tw.kingbright.com	Re: 回覆	0.06 KB
2010-12-27 10:48:20	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆	2.32 KB
2010-12-27 10:44:59	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆	0.03 KB
2010-12-27 10:44:47	172.16.3.162	grace_512@pchome.com.tw	alexw@tw.kingbright.com	Re: 回覆	0.07 KB
2010-12-27 10:40:00	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆	2.31 KB

User: 172.16.3.162 Sender: Recipient: Subject: Attach: Any From: 2010-12-27 To: 2010-12-27 Server: Any Search

Viewing Record

For mail application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such


application used by all of the monitored accounts. Simply click **MAIL Traffic Report**  icon, the following dialog will appear.




Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.3 HTTP

This page can list the record of HTTP service used by users.










HTTP      

Date/Time	User Name/IP	WCF Type	Web Site	URL Number
<input type="checkbox"/> 2014-02-18 12:06:31	192.168.1.10		www.google.com.tw	7
<input type="checkbox"/> 2014-02-18 12:03:48	192.168.1.10		ad.tagtoo.co	12
<input type="checkbox"/> 2014-02-18 12:03:48	192.168.1.10		www.van698.com	9
<input type="checkbox"/> 2014-02-18 12:03:38	192.168.1.10		ads.yahoo.com	10
<input type="checkbox"/> 2014-02-18 12:03:38	192.168.1.10		adsense.scupio.com	7
<input type="checkbox"/> 2014-02-18 12:03:34	192.168.1.10		adplace.adsame.com	6
<input type="checkbox"/> 2014-02-18 12:03:34	192.168.1.10		www.fun698.com	15
<input type="checkbox"/> 2014-02-18 12:03:12	192.168.1.10		ysm.sitemaji.com	3
<input type="checkbox"/> 2014-02-18 12:02:59	192.168.1.10		pubads.g.doubleclick.net	7
<input type="checkbox"/> 2014-02-18 11:59:44	192.168.1.10		www.facebook.com	11

Item	Description
Date/Time	Display the date and time for the users who visits the website.
UserName/IP	Display the name of the user who uses the HTTP service.
WCF Type	If the router activates the WCF mechanism and is configured to block some certain web categories, SmartMonitor will display the blocked URL category in such field.










WebSite	Display the website that the user visits.
URL Number	Display the number of the URL that the user visits.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	HTTP Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

HTTP         

46 pcs/5 Pages Latest 20 days [2014-02-18(Tue)]

Date/Time	User Name/IP	WCF Type	WebSite	URL Number
<input type="checkbox"/> 2014-02-18 12:06:31	192.168.1.10		www.google.com.tw	7
<input type="checkbox"/> 2014-02-18 12:03:48	192.168.1.10		ad.tagtoo.co	12
<input type="checkbox"/> 2014-02-18 12:03:48	192.168.1.10		www.van698.com	9
<input type="checkbox"/> 2014-02-18 12:03:38	192.168.1.10		ads.yahoo.com	10
<input type="checkbox"/> 2014-02-18 12:03:38	192.168.1.10		adsense.scupio.com	7
<input type="checkbox"/> 2014-02-18 12:03:34	192.168.1.10		adplace.adsame.com	6
<input type="checkbox"/> 2014-02-18 12:03:34	192.168.1.10		www.fun698.com	15
<input type="checkbox"/> 2014-02-18 12:03:12	192.168.1.10		ysm.sitemaji.com	3
<input type="checkbox"/> 2014-02-18 12:02:59	192.168.1.10		pubads.g.doubleclick.net	7
<input type="checkbox"/> 2014-02-18 11:59:44	192.168.1.10		www.facebook.com	11

User WebSite/Content WCF Type From To

Item	Description
User	Type the name of the created user that you want to search.
WebSite/Content	Type the URL of the website or the URL number that you want to search.
WCF Type	The default setting is Any.
From....To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page

Example:

To search relational information for the user, 172.16.3.179, specify the IP in the field of **User** and click **Search**.

<input type="checkbox"/> 2010-12-27 14:53:31	172.16.3.179	12.gstatic.com	
<input type="checkbox"/> 2010-12-27 14:53:31	172.16.3.179	t3.gstatic.com	3
<input type="checkbox"/> 2010-12-27 14:53:29	172.16.3.81	a.admaxserver.com	4

User WebSite/Content From To Search


The searching result will be shown as follows:

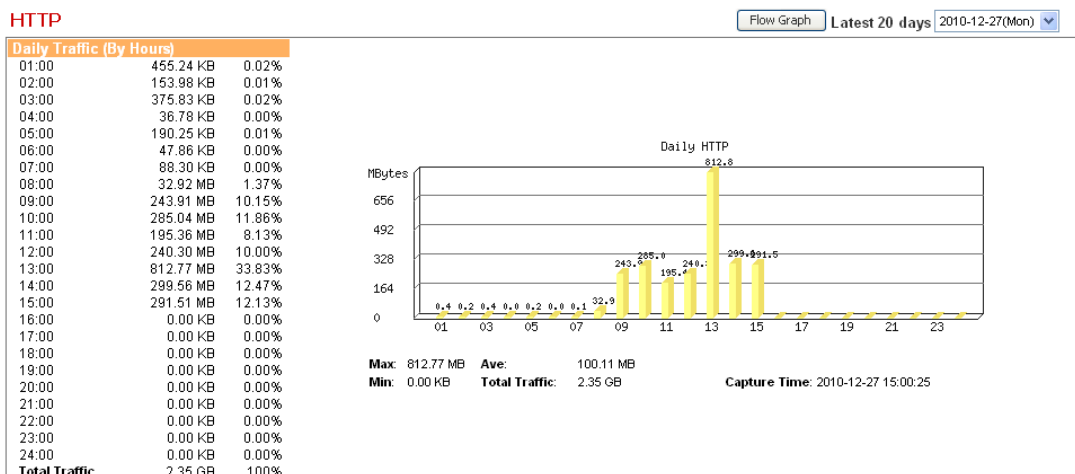
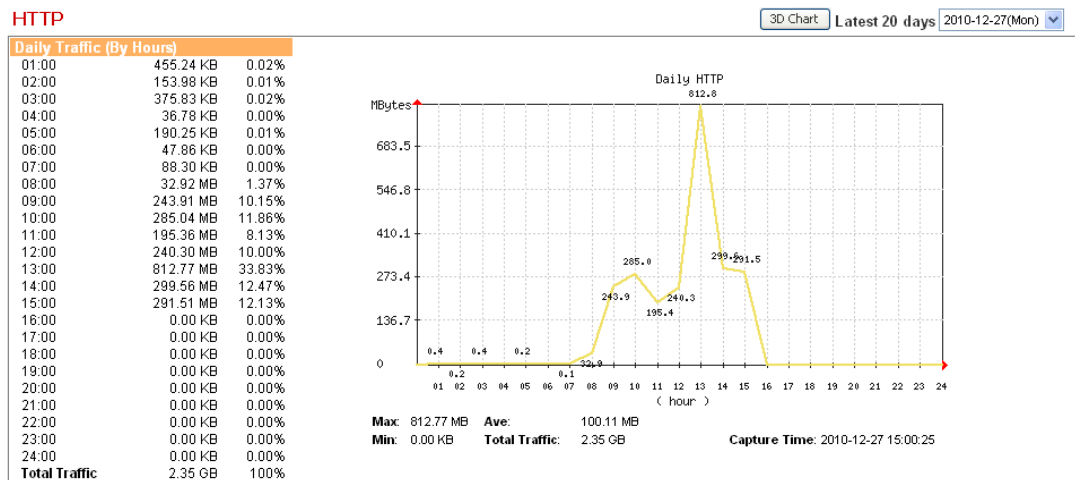
HTTP

Date/Time	User Name/IP	WebSite	URL Number
<input type="checkbox"/> 2010-12-27 15:05:54	172.16.3.179	172.16.2.19	125
<input type="checkbox"/> 2010-12-27 15:05:44	172.16.3.179	feeds.feedburner.com	12
<input type="checkbox"/> 2010-12-27 15:05:31	172.16.3.179	rss.canada.com	5
<input type="checkbox"/> 2010-12-27 15:05:25	172.16.3.179	toolbar.zynga.com	10
<input type="checkbox"/> 2010-12-27 15:04:42	172.16.3.179	tw.sports.yahoo.com	13
<input type="checkbox"/> 2010-12-27 15:04:41	172.16.3.179	secure-yt.imrworldwide.com	66
<input type="checkbox"/> 2010-12-27 15:04:40	172.16.3.179	tw.linkspot.search.yahoo.com	100
<input type="checkbox"/> 2010-12-27 15:04:25	172.16.3.179	feeds2.feedburner.com	2
<input type="checkbox"/> 2010-12-27 15:04:22	172.16.3.179	ad.yieldmanager.com	231
<input type="checkbox"/> 2010-12-27 15:04:22	172.16.3.179	feeds.eonline.com	2

User WebSite/Content From To Search

Viewing Record


For HTTP application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **HTTP Traffic Report**  icon, the following dialog will appear.




Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record







You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.











Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .


3.3.4 IM

In this page, you can check the IM records. At present, the supported IM software includes MSN Message, Yahoo Messenger, ICQ, QQ and etc.










IM      

Duration Time	User Name/IP	User Account	PeerAccount	Records
<input type="checkbox"/> 2010-12-27 14:55:35 -- 2010-12-27 15:11:58 (16.38 min.)	172.16.3.182	lemonyuju@hotmail.com	ryanlinyh@gmail.com	40 
<input type="checkbox"/> 2010-12-27 09:24:10 -- 2010-12-27 14:44:50 (320.66 min.)	172.16.3.81	j78945686@hotmail.com	iceman_blue1215@hotmail.com	100 
<input type="checkbox"/> 2010-12-27 14:40:31 -- 2010-12-27 14:40:46 (0.25 min.)	172.16.3.176	snow07282002@yahoo.com.tw	grace-512@hotmail.com	3 
<input type="checkbox"/> 2010-12-27 14:10:25 -- 2010-12-27 14:10:40 (0.25 min.)	172.16.3.223	nyvii@hotmail.com	vita_lity@msn.com	4 
<input type="checkbox"/> 2010-12-27 08:46:36 -- 2010-12-27 14:09:06 (322.5 min.)	172.16.3.238	cm@ms71.url.com.tw	dd111129@hotmail.com	241 
<input type="checkbox"/> 2010-12-27 13:34:16 -- 2010-12-27 13:51:54 (17.63 min.)	172.16.3.182	cathaydraytek@livemail.tw	lsz128@hotmail.com	4 
<input type="checkbox"/> 2010-12-27 13:37:36 -- 2010-12-27 13:39:36 (2 min.)	172.16.3.182	cathaydraytek@livemail.tw		2 
<input type="checkbox"/> 2010-12-27 13:31:59 -- 2010-12-27 13:37:58 (5.98 min.)	172.16.3.238	cm@ms71.url.com.tw	jlin_kuo2903@hotmail.com	10 
<input type="checkbox"/> 2010-12-27 10:21:20 -- 2010-12-27 12:28:48 (127.46 min.)	172.16.3.182	sysnc@hotmail.com	sean547@ms54.url.com.tw	13 
<input type="checkbox"/> 2010-12-27 11:19:07 -- 2010-12-27 12:16:12 (57.08 min.)	172.16.3.179	dogufish@hotmail.com	iren1102@hotmail.com	2 

Item	Description
Duration Time	Display the starting and ending time for this session.
User Name/IP	Display the name of the user who uses the IM service.
User Account	Display the mail address of the user who uses the IM service.
PeerAccount	Display the mail address of the peer that the user contacts.
Records	Display the length of the conversation between the user and the peer. Administrator can click the number to view the detailed










	content of the conversation.
	
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	IM Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

IM         

◀ 1 2 3 ▶▶ 26 pcs/3 Pages		Latest 20 days Search Mode		
Duration Time	User Name/IP	User Account	PeerAccount	Records
<input type="checkbox"/> 2010-12-27 14:55:35 -- 2010-12-27 15:11:58 (16.38 min.)	172.16.3.182	lemonyuju@hotmail.com	ryanlinyh@gmail.com	40
<input type="checkbox"/> 2010-12-27 09:24:10 -- 2010-12-27 14:44:50 (320.66 min.)	172.16.3.81	j78945686@hotmail.com	iceman_blue1215@hotmail.com	100
<input type="checkbox"/> 2010-12-27 14:40:31 -- 2010-12-27 14:40:46 (0.25 min.)	172.16.3.176	snow07282002@yahoo.com.tw	grace-512@hotmail.com	3
<input type="checkbox"/> 2010-12-27 14:10:25 -- 2010-12-27 14:10:40 (0.25 min.)	172.16.3.223	nyvii@hotmail.com	vita_lity@msn.com	4
<input type="checkbox"/> 2010-12-27 08:46:36 -- 2010-12-27 14:09:06 (322.5 min.)	172.16.3.238	cm@ms71.url.com.tw	dd111129@hotmail.com	241
<input type="checkbox"/> 2010-12-27 13:34:16 -- 2010-12-27 13:51:54 (17.63 min.)	172.16.3.182	cathdryaytek@livemail.tw	lsz128@hotmail.com	4
<input type="checkbox"/> 2010-12-27 13:37:36 -- 2010-12-27 13:39:36 (2 min.)	172.16.3.182	cathdryaytek@livemail.tw		2
<input type="checkbox"/> 2010-12-27 13:31:59 -- 2010-12-27 13:37:58 (5.98 min.)	172.16.3.238	cm@ms71.url.com.tw	jin_kuo2903@hotmail.com	10
<input type="checkbox"/> 2010-12-27 10:21:20 -- 2010-12-27 12:28:48 (127.46 min.)	172.16.3.182	sysnc@hotmail.com	sean547@ms54.url.com.tw	13
<input type="checkbox"/> 2010-12-27 11:19:07 -- 2010-12-27 12:16:12 (57.08 min.)	172.16.3.179	dogufish@hotmail.com	iren1102@hotmail.com	2

User User Account PeerAccount
 Type From 2010-12-27 To 2010-12-27

Item	Description
User	Type the name of the user that you want to search.
User Account	Type the e-mail address of the user that you want to search.
PeerAccount	Type the e-mail address of the peer end that you want to search.
Type	Choose the type of IM software.

From...To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page
Latest 20 days	Such table can display daily IM usage report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.

Example:

To search relational information for the user, 172.16.3.178, specify the IP in the field of **User** and click **Search**.

<input type="checkbox"/> 2010-12-27 13:31:59 -- 2010-12-27 13:37:58 (5.98 min.)	172.16.3.256	cm@ms71.url.com.tw	jin_kuo2903@hotmail.com	10
<input type="checkbox"/> 2010-12-27 10:21:20 -- 2010-12-27 12:28:48 (127.46 min.)	172.16.3.182	sysnc@hotmail.com	sean547@ms54.url.com.tw	13
<input type="checkbox"/> 2010-12-27 11:19:07 -- 2010-12-27 12:16:12 (57.08 min.)	172.16.3.179	dogufish@hotmail.com	iren1102@hotmail.com	2


User User Account PeerAccount
 Type From To

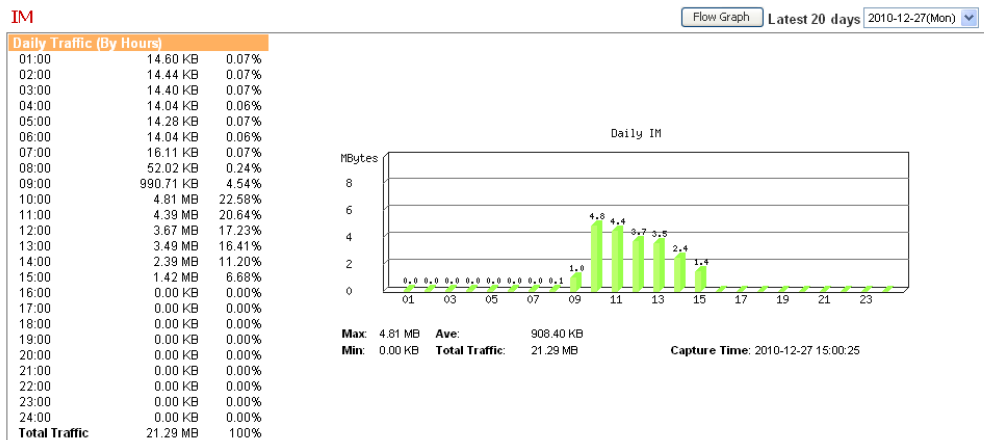
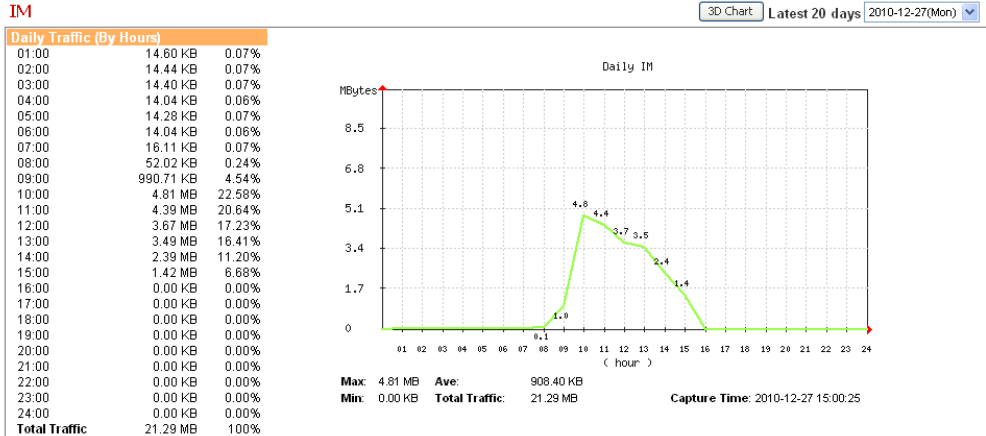
The searching result will be shown as follows:

8 pcs/1 Pages				Latest 20 days	Search Mode
Duration Time	User Name/IP	User Account	PeerAccount	Records	
<input type="checkbox"/> 2010-12-27 11:56:56 -- 2010-12-27 11:57:44 (0.8 min.)	172.16.3.178	alice650@ms27.hinet.net	grace-512@hotmail.com	7	
<input type="checkbox"/> 2010-12-27 10:08:17 -- 2010-12-27 10:12:49 (4.53 min.)	172.16.3.178	dckey168@hotmail.com	nitroblood2002@yahoo.com.tw	7	
<input type="checkbox"/> 2010-12-27 08:50:48 -- 2010-12-27 08:54:11 (3.38 min.)	172.16.3.178	dckey168@hotmail.com	t80038@hotmail.com	11	
<input type="checkbox"/> 2010-12-26 20:12:39 -- 2010-12-26 20:12:39 (0 min.)	172.16.3.178	alice650@ms27.hinet.net	chIU0205b@hotmail.com	1	
<input type="checkbox"/> 2010-12-24 10:29:30 -- 2010-12-24 18:03:10 (453.86 min.)	172.16.3.178	dckey168@hotmail.com	nitroblood2002@yahoo.com.tw	10	
<input type="checkbox"/> 2010-12-24 17:19:55 -- 2010-12-24 17:54:35 (34.66 min.)	172.16.3.178	alice650@ms27.hinet.net	mr_alanhshiao@yahoo.com.tw	14	
<input type="checkbox"/> 2010-12-24 17:04:03 -- 2010-12-24 17:52:11 (48.13 min.)	172.16.3.178	alice650@ms27.hinet.net	herman@ms2.sinon.com.tw	132	
<input type="checkbox"/> 2010-12-24 15:41:43 -- 2010-12-24 15:56:46 (15.05 min.)	172.16.3.178	alice650@ms27.hinet.net	lochiu@hotmail.com	33	

User User Account PeerAccount
 Type From To

Viewing Record


For IM application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **IM Traffic Report**  icon, the following dialog will appear.




Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record








You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click Print all  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.5 Media

In this page, you can check the media records.









MEDIA       

2 pcs/1 Pages Latest 20 days 2014-02-18(Tue)

Duration Time	User Name/IP	Type
<input type="checkbox"/> 2014-02-14 14:46:43 -- 2014-02-14 14:50:07 (3.4 min.)	2104_TBD	YOUTUBE
<input type="checkbox"/> 2014-02-14 14:37:06 -- 2014-02-14 14:43:50 (6.73 min.)	172.16.2.223	FUNSHION
<input type="checkbox"/> 2014-02-14 14:25:01 -- 2014-02-14 14:25:16 (0.25 min.)	2104_TBD	YOUTUBE
<input type="checkbox"/> 2014-02-14 14:23:39 -- 2014-02-14 14:25:11 (1.53 min.)	172.16.2.223	FUNSHION
<input type="checkbox"/> 2014-02-14 14:16:54 -- 2014-02-14 14:19:10 (2.26 min.)	172.16.2.223	FUNSHION








Item	Description
Duration Time	Display the starting and ending time for this session.
UserName/IP	Display the name of the user who uses the media service.
Type	Display the type of the media used by the user.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

							
Open Search Mode	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

MEDIA       

2 pcs/1 Pages Latest 20 days 2014-02-18(Tue)

Duration Time	User Name/IP	Type
<input type="checkbox"/> 2014-02-14 14:46:43 -- 2014-02-14 14:50:07 (3.4 min.)	2104_TBD	YOUTUBE
<input type="checkbox"/> 2014-02-14 14:37:06 -- 2014-02-14 14:43:50 (6.73 min.)	172.16.2.223	FUNSHION
<input type="checkbox"/> 2014-02-14 14:25:01 -- 2014-02-14 14:25:16 (0.25 min.)	2104_TBD	YOUTUBE
<input type="checkbox"/> 2014-02-14 14:23:39 -- 2014-02-14 14:25:11 (1.53 min.)	172.16.2.223	FUNSHION
<input type="checkbox"/> 2014-02-14 14:16:54 -- 2014-02-14 14:19:10 (2.26 min.)	172.16.2.223	FUNSHION

User Type Any From To

Item	Description
User	Type the name of the user that you want to search.

Type	Choose the type of media software.
From....To...	Specify the date for the downloading or uploading files you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page
Latest 20 days	Such table can display daily IM usage report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.

Example:

To search relational information for the user, 2104_TBD, specify the user name/IP in the field of **User** and click **Search**.

The searching result will be shown as follows:


The screenshot shows a web interface for monitoring media usage. At the top, there are navigation icons and a 'MEDIA' header. Below the header is a table with columns for 'Duration Time', 'User Name/IP', and 'Type'. The table contains two rows of data for user 2104_TBD, both of type YOUTUBE. Below the table, there are search filters for 'User' (set to 2104_TBD), 'Type' (set to Any), and 'From'/'To' dates (both set to 2014-02-18). A 'Search' button is also visible.

Duration Time	User Name/IP	Type
<input type="checkbox"/> 2014-02-14 14:46:43 -- 2014-02-14 14:50:07 (3.4 min.)	2104_TBD	YOUTUBE
<input type="checkbox"/> 2014-02-14 14:25:01 -- 2014-02-14 14:25:16 (0.25 min.)	2104_TBD	YOUTUBE


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .










3.3.6 TELNET

Some management of network equipment must be controlled by using Telnet. Additionally, more BBS also must be registered by using Telnet. This page can record all of such information completely for checking at any time.

Start Time	User Name/IP	WebSite	Content
2014-02-14 15:02:45	2104_HW	172.16.2.20	
2014-02-14 10:32:45	2104_HW	172.16.2.20	

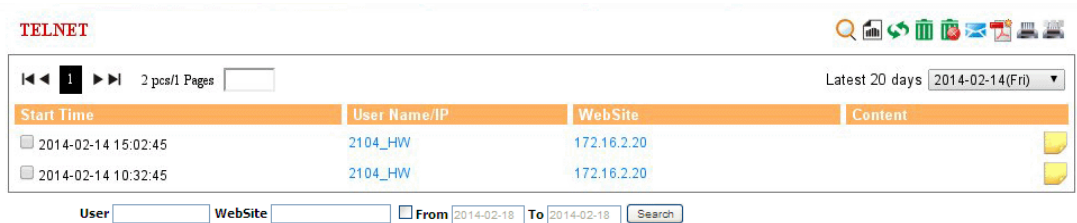
Item	Description
Start Time	Display the starting time of TELNET usage.
UserName/IP	Display the name of the user who uses the TELNET service.
WebSite	Display the website that the user uses.
Content	Display the content of TELNET usage.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.










Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	TELNET Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages



Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.



TELNET         

2 pcs/1 Pages Latest 20 days 2014-02-14(Fri)

Start Time	User Name/IP	WebSite	Content
<input type="checkbox"/> 2014-02-14 15:02:45	2104_HW	172.16.2.20	
<input type="checkbox"/> 2014-02-14 10:32:45	2104_HW	172.16.2.20	

User WebSite From 2014-02-18 To 2014-02-18

Item	Description
User	Type the name of the user who uses TELNET service that you want to search.
WebSite	Type the URL of the website that you want to search.
From....To...	Specify the date for the record of TELNET service usage that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page

Example:

To search the user who using TELNET, e.g., 172.16.3.223, specify the user name/IP in the field of **User** and click **Search**.



2010-12-27 14:47:06 

<input type="checkbox"/> 2010-12-27 14:47:06	172.16.3.177	172.16.3.20
<input type="checkbox"/> 2010-12-27 14:39:41	172.16.3.176	172.16.3.20

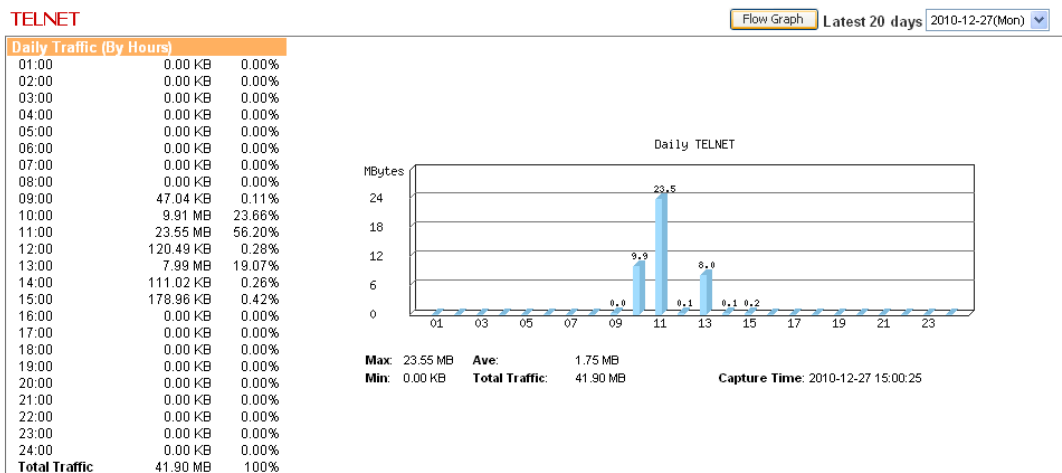
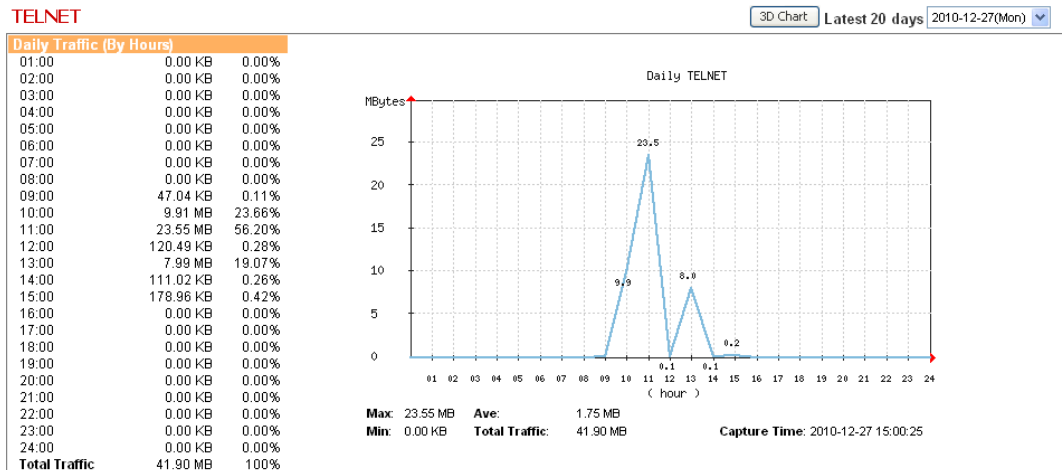
User 172.16.3.223 WebSite From 2010-12-27 To 2010-12-27

Viewing Record

For TELNET application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **TELNET Traffic Report**



icon, the following dialog will appear.



Refreshing Current Page

To refresh current page, simply click **Refresh** and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

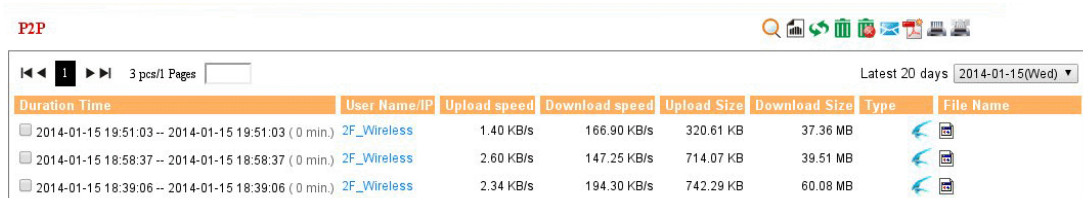
You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.







Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click Print all  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.7 P2P










Such page displays all of the users who download files from or upload files to Internet with P2P.



Duration Time	User Name/IP	Upload speed	Download speed	Upload Size	Download Size	Type	File Name
2014-01-15 19:51:03 -- 2014-01-15 19:51:03 (0 min.)	2F_Wireless	1.40 KB/s	166.90 KB/s	320.61 KB	37.36 MB		
2014-01-15 18:58:37 -- 2014-01-15 18:58:37 (0 min.)	2F_Wireless	2.60 KB/s	147.25 KB/s	714.07 KB	39.51 MB		
2014-01-15 18:39:06 -- 2014-01-15 18:39:06 (0 min.)	2F_Wireless	2.34 KB/s	194.30 KB/s	742.29 KB	60.08 MB		







Item	Description
Date/Time	Display the starting time of download.
User Name/IP	Display the user name and IP address for P2P service.
Upload speed	Display the speed of uploading.
Download speed	Display the speed of downloading.
Upload Size	Display the size of the file uploading.
Download Size	Display the size of the file downloading.
Type	Display the protocol for such service used.
File Name	Display the name of the file to be uploaded or downloaded.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.










								
Open Search Mode	P2P Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.


P2P      

3 pcs/1 Pages Latest 20 days

Duration Time	User Name/IP	Upload speed	Download speed	Upload Size	Download Size	Type	File Name
<input type="checkbox"/> 2014-01-15 19:51:03 -- 2014-01-15 19:51:03 (0 min.)	2F_Wireless	1.40 KB/s	166.90 KB/s	320.61 KB	37.36 MB	 	
<input type="checkbox"/> 2014-01-15 18:58:37 -- 2014-01-15 18:58:37 (0 min.)	2F_Wireless	2.60 KB/s	147.25 KB/s	714.07 KB	39.51 MB	 	
<input type="checkbox"/> 2014-01-15 18:39:06 -- 2014-01-15 18:39:06 (0 min.)	2F_Wireless	2.34 KB/s	194.30 KB/s	742.29 KB	60.08 MB	 	

User Type Upload Size B File

From To Download Size KB

Item	Description
User	Type the name of the user that you want to search.
Type	Choose the type that the user uses for file download and upload. Type <input type="text" value="Any"/>  <div style="border: 1px solid black; padding: 2px; width: fit-content;"> <input type="text" value="Any"/> BT eMule Thunder </div>
Upload Size	Specify the range of file size of uploading file that you want to search.
File	Type the name of the uploading file or downloading file.
From....To...	Specify the period for viewing the P2P records between the user and the peer sides. Please check the box first before choosing the date.
Download Size	Specify the range of file size of downloading file that you want to search.
Search	Click this button to execute searching job and display on this page.


Example:

To search the download or upload for the user, 172.17.1.184, specify the user name/IP in the field of **User** and click **Search**.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click Print all  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .










3.3.8 WEBDOWN

Such page displays all of the users who download files from websites.

WEBDOWN			
Date/Time	User Name/IP	WebSite	File Name
2014-02-14 15:44:15	2104_hw	www.shs.edu.tw/works/essay/2008/03/2008033123...	2008033123341156.pdf
2014-02-14 15:41:13	2104_hw	www.shs.edu.tw/works/essay/2012/11/2012111510...	2012111510080808.pdf
2014-02-14 14:39:17	5F	download.skype.com/36c528532a3e966c3ea2464d83...	SkypeSetupFull.exe
2014-02-14 14:36:48	5F	download.skype.com/36c528532a3e966c3ea2464d83...	SkypeSetupFull.exe
2014-02-14 14:31:33	5F	premium.avira-update.com/update/ave2/win32/in...	aeheur.dll.gz
2014-02-14 14:31:31	5F	premium.avira-update.com/update/n_vdf/vbase02...	vbase028.vdf.gz
2014-02-14 14:31:22	5F	premium.avira-update.com/update/webcat/common...	webcat3.dat.gz

Item	Description
Date/Time	Display the starting time of download.
User Name/IP	Display the user name and IP address for P2P service.
WebSite	Display the web site that the users visit.
File Name	Display the file name downloaded by the user.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	WEB DOW N Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

WEBDOWN 🔍 🔄 🗑️ 📧 🖨️

68 pcs/7 Pages Latest 20 days | 2014-02-14(Fri) ▼

Date/Time	User Name/IP	WebSite	File Name
<input type="checkbox"/> 2014-02-14 15:44:15	2104_Hw	www.shs.edu.tw/works/essay/2008/03/2008033123...	2008033123341156.pdf
<input type="checkbox"/> 2014-02-14 15:41:13	2104_Hw	www.shs.edu.tw/works/essay/2012/11/2012111510...	2012111510080808.pdf
<input type="checkbox"/> 2014-02-14 14:39:17	5F	download.skype.com/36c528532a3e966c3ea2464d83...	SkypeSetupFull.exe
<input type="checkbox"/> 2014-02-14 14:36:48	5F	download.skype.com/36c528532a3e966c3ea2464d83...	SkypeSetupFull.exe
<input type="checkbox"/> 2014-02-14 14:31:33	5F	premium.avira-update.com/update/ave2/win32/in...	aeheur.dll.gz
<input type="checkbox"/> 2014-02-14 14:31:31	5F	premium.avira-update.com/update/n_vdf/vbase02...	vbase028.vdf.gz
<input type="checkbox"/> 2014-02-14 14:31:22	5F	premium.avira-update.com/update/webcat/common...	webcat3.dat.gz

User: File: WebSite:
 From: 2014-02-18 To: 2014-02-18

Item	Description
User	Type the name of the user that you want to search.
File	Type the name of the uploading file or downloading file.
WebSite	Type the name of the web site.
From....To...	Specify the period for viewing the web download records between the user and the peer sides. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.


Example:

To search the download information for the user, 2104_HW, specify the name/IP in the field of **User** and click **Search**.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.9 STOCK










This page display information about stock name, IP address/username of the one who review the stocks, what application software used for reviewing stock and the duration time of the stock reviewing.

Note: Currently, this page is available only for Chinese stock software monitor.



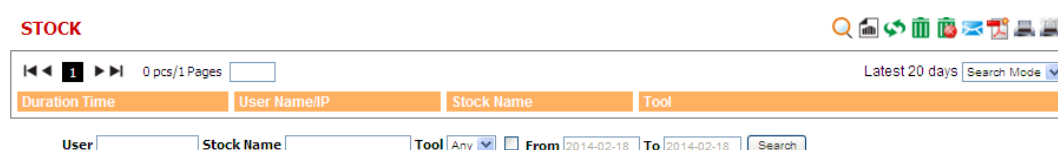
Item	Description
Duration Time	Display the time for the stock checked.
User Name/IP	Display the user name/IP address of the one who reviews the stock.
Stock Name	Display the name for the stock reviewed by users.
Stock Tool	Display the tool that user used to review the stock information.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	STOCK Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.



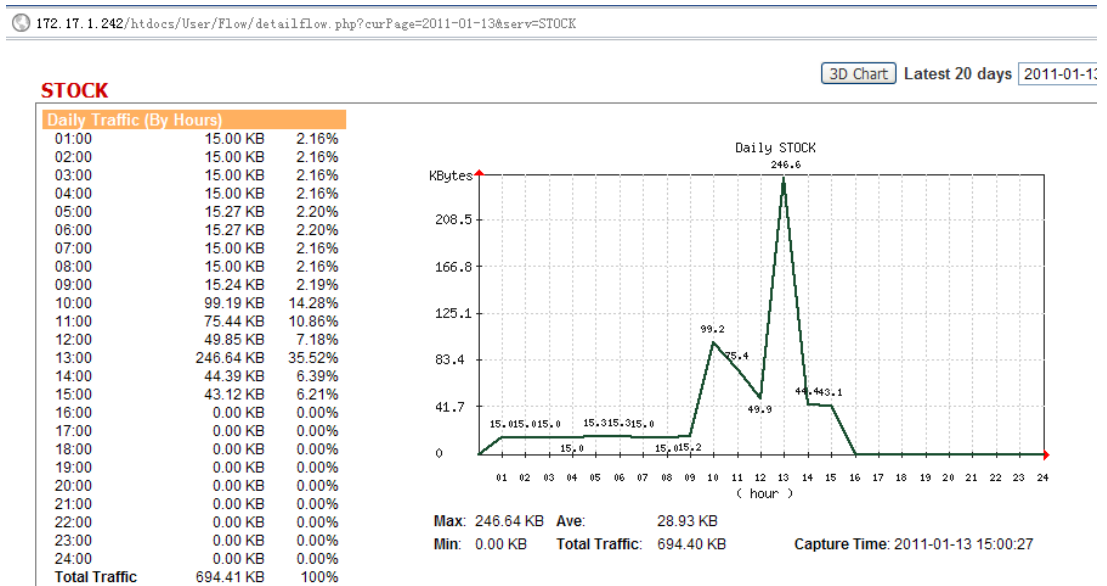
Item	Description
User	Type the name of the user who reviews the stock that you want to search.
Stock Name	Type the name of the stock reviewed by user(s).
Stock Tool	Choose the tool for reviewing the stock.
From....To...	Specify the period for viewing the stock that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Viewing Record

For STOCK application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **STOCK Traffic Report**



icon, the following dialog will appear.



Refreshing Current Page

To refresh current page, simply click **Refresh** and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

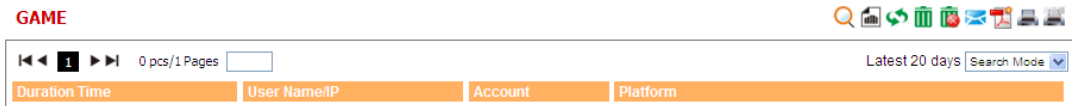
Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking  .

3.3.10 GAME

This page display information about stock name, IP address/username of the one who review the stocks, what application software used for reviewing stock and the duration time of the stock reviewing.

Note: Currently, this page is available only for Chinese stock software monitor.



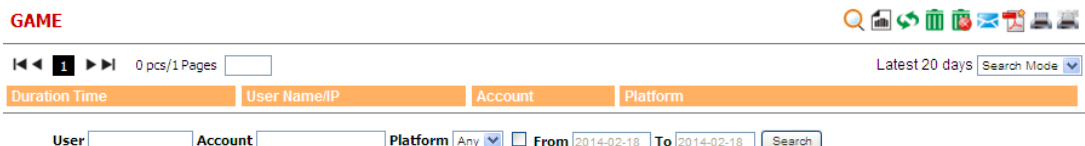
Item	Description
Duration Time	Display the time for the game used.
User Name/IP	Display the user name/IP address of the one who play the games.
Account	Display the user account accessing into the game.
Platform	Display the platform used for the game.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

Open Search Mode	GAM E Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record


By clicking **Open Search Mode** icon, you will get the following page.



Item	Description
User	Type the name of the user who reviews the stock that you want to search.
User	Type the name of the user who plays the game that you want to search.

Account	Type the user account used for the game.
From....To...	Specify the period for viewing the game usage that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.


Viewing Record

For GAME application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **GAME Traffic Report**  icon to display the record window.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.11 SIP

This page display information about SIP.

SIP 🔍 📄 🔄 🗑️ 📧 🖨️ 🖨️

◀ 1 ▶ 2 ▶▶ 17 pcs/2 Pages Latest 20 days 2014-02-14(Fri) ▾

Duration Time	User Name/IP	Caller	Callee	Voice In	Voice Out
<input type="checkbox"/> 2014-02-14 15:34:52 -- 2014-02-14 15:35:40 (0.8 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 14:20:33 -- 2014-02-14 14:24:35 (4.03 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 14:05:16 -- 2014-02-14 14:08:12 (2.93 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 13:31:25 -- 2014-02-14 13:32:03 (0.63 min.)	172.16.2.223	022706767	022706767		
<input type="checkbox"/> 2014-02-14 13:07:57 -- 2014-02-14 13:09:04 (1.11 min.)	172.16.2.223	028768395	028768395		
<input type="checkbox"/> 2014-02-14 11:41:57 -- 2014-02-14 11:42:19 (0.36 min.)	172.16.2.223	028951338	028951338		
<input type="checkbox"/> 2014-02-14 11:36:06 -- 2014-02-14 11:40:26 (4.33 min.)	172.16.2.223	022515501	022515501		
<input type="checkbox"/> 2014-02-14 11:20:00 -- 2014-02-14 11:21:45 (1.75 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 11:12:55 -- 2014-02-14 11:13:26 (0.51 min.)	172.16.2.223	51	51		
<input type="checkbox"/> 2014-02-14 11:07:33 -- 2014-02-14 11:10:03 (2.5 min.)	172.16.2.223	028666202	028666202		

Item	Description
Duration Time	Display the time for the SIP used.
User Name/IP	Display the user name/IP address of SIP phone user.
Caller	Display the name/number of the caller.
Callee	Display the name/number of the callee.
Voice In	Display the voice record file which records the whole recording of the callee . Only G.711 codec based voice can be saved as a wave file.
Voice Out	Display the voice record file which records the whole recording of the caller . Only G.711 codec based voice can be saved as a wave file.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

Open Search Mode	SIP Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode** icon, you will get the following page.

17 pcs/2 Pages Latest 20 days [2014-02-14(Fri)]

Duration Time	User Name/IP	Caller	Callee	Voice In	Voice Out
<input type="checkbox"/> 2014-02-14 15:34:52 -- 2014-02-14 15:35:40 (0.8 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 14:20:33 -- 2014-02-14 14:24:35 (4.03 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 14:05:16 -- 2014-02-14 14:08:12 (2.93 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 13:31:25 -- 2014-02-14 13:32:03 (0.63 min.)	172.16.2.223	022706767	022706767		
<input type="checkbox"/> 2014-02-14 13:07:57 -- 2014-02-14 13:09:04 (1.11 min.)	172.16.2.223	028768395	028768395		
<input type="checkbox"/> 2014-02-14 11:41:57 -- 2014-02-14 11:42:19 (0.36 min.)	172.16.2.223	028951338	028951338		
<input type="checkbox"/> 2014-02-14 11:36:06 -- 2014-02-14 11:40:26 (4.33 min.)	172.16.2.223	022515501	022515501		
<input type="checkbox"/> 2014-02-14 11:20:00 -- 2014-02-14 11:21:45 (1.75 min.)	172.16.2.223	anonymous	anonymous		
<input type="checkbox"/> 2014-02-14 11:12:55 -- 2014-02-14 11:13:26 (0.51 min.)	172.16.2.223	51	51		
<input type="checkbox"/> 2014-02-14 11:07:33 -- 2014-02-14 11:10:03 (2.5 min.)	172.16.2.223	028666202	028666202		


User User Account PeerAccount
 From To

Item	Description
User	Type the name of the user
User Account	Type the SIP account of the caller.
Peer Account	Type the SIP account of the callee.
From....To...	Specify the period for viewing the SIP information that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Example:

To search the download or upload for the user, 172.16.2.223, specify the IP in the field of **User** and click **Search**.


Viewing Record

For SIP application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **SIP Traffic Report**  icon, the following dialog will appear.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking  .

3.3.12 DNS Query

This page display information about DNS query.

Date/Time	User Name/IP	Domain Name	Query Number
2014-02-14 15:53:16	2104_Hw	pic.pimg.tw	2
2014-02-14 15:53:15	2104_I_121	ssl.gstatic.com	1
2014-02-14 15:53:13	2104_Hw	s6.pimg.tw	1
2014-02-14 15:53:09	126	pool.ntp.org	2294
2014-02-14 15:53:07	2104_2F	api.skype.com	12
2014-02-14 15:53:05	2104_2F	apps.skype.com	13
2014-02-14 15:53:04	2104_I_121	ads.flurry.com	40
2014-02-14 15:53:04	2104_I_121	orcart.facebook.com	12
2014-02-14 15:53:04	2104_I_121	www.google.com	25
2014-02-14 15:53:04	2104_I_121	www.apple.com	15

Item	Description
Duration Time	Display the time for the query used.
User Name/IP	Display the user name/IP address.
Domain Name	Display the domain name.
Query Number	Display the times of the query.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

Open Search Mode	DNS Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode** icon, you will get the following page.

<input type="checkbox"/>	2014-02-14 15:53:07	2104_2F	api.skype.com	12
<input type="checkbox"/>	2014-02-14 15:53:05	2104_2F	apps.skype.com	13
<input type="checkbox"/>	2014-02-14 15:53:04	2104_I_121	ads.flurry.com	40
<input type="checkbox"/>	2014-02-14 15:53:04	2104_I_121	orcart.facebook.com	12
<input type="checkbox"/>	2014-02-14 15:53:04	2104_I_121	www.google.com	25
<input type="checkbox"/>	2014-02-14 15:53:04	2104_I_121	www.apple.com	15

User WebSite/Content From To






Item	Description
------	-------------

User	Type the name of the user who reviews the stock that you want to search.
WebSite/Content	Type the web site or content for query.
From....To...	Specify the period for viewing the DNS query that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Example:


To search the DNS query usage of a user, 2104i_121, specify the user name in the field of **User** and click **Search**.

The searching result will be shown as follows:

DNS Query






« 1 2 3 4 5 6 7 8 9 10 »» 8019 pcs/802 Pages Latest 20 days 2014-02-14(Fri)			
Date/Time	User Name/IP	Domain Name	Query Number
<input type="checkbox"/> 2014-02-14 15:53:15	2104_i_121	ssl.gstatic.com	1
<input type="checkbox"/> 2014-02-14 15:53:04	2104_i_121	ads.flurry.com	40
<input type="checkbox"/> 2014-02-14 15:53:04	2104_i_121	orcart.facebook.com	12
<input type="checkbox"/> 2014-02-14 15:53:04	2104_i_121	www.google.com	25
<input type="checkbox"/> 2014-02-14 15:53:04	2104_i_121	www.apple.com	15


Viewing Record

For DNS query application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **DNS Traffic Report**  icon.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record









You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.13 VPN

This page display information about IP address/username, user account, server, type and the duration time of the VPN connection.










VPN        

0 pcs/1 Pages Latest 20 days Search Mode

Duration Time	User Name/IP	User Account	Server	Type
2014-02-14 09:42:29 -- 2014-02-14 09:59:57 (1)	2104_TBD	123	36.231.215.2	L2TP

Item	Description
Duration Time	Display the time for the VPN connection.
User Name/IP	Display the user name/IP address of the user account.
User Account	Display the user account that uses the VPN service.
VPN	Display the IP address of the VPN server.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	VPN Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

VPN

◀◀ 1 ▶▶ 0 pcs/1 Pages

Duration Time	User Name/IP	User Account
<input type="checkbox"/> 2014-02-14 09:42:29 -- 2014-02-14 09:59:57 (1	2104_TBD	123

User User Account Server


Type From To

Item	Description
User	Type the name of the user that you want to search.
User Account	Type the user account which uses the VPN service, to be searched.
Server	Type the IP address of the server to be searched.
Type	Choose the type that the user uses for VPN.
From....To...	Specify the period for viewing the VPN connection information that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Example:

To search the user who uses VPN service, specify the name/IP in the field of **User** and click **Search**.


Viewing Record

For VPN application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **VPN Traffic Report**  icon, the following dialog will appear.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record








You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking  .

3.3.14 IPSEC VPN

This page display information about IP address/username, user account, server, type and the duration time of the VPN connection based on IPsec protocol.










IPSEC VPN








2 3 4 5 6 7 8 9 10 1961 pcs/197 Pages Latest 20 days 2014-02-13(Thu)

Date/Time	User Name/IP	Server	Mode	Encryption Algorithm	Hash Algorithm	Authentication Method
<input type="checkbox"/> 2014-02-13 09:53:44	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:53:10	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:52:38	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:52:22	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:52:07	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:51:50	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:51:34	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:51:18	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:50:47	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/> 2014-02-13 09:50:14	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK

Item	Description
Duration Time	Display the time for the IPsec VPN connection.
User Name/IP	Display the user name/IP address of the user account.
Server	Display the IP address of the IPsec VPN server.
Mode	Display the mode (e.g., main, aggressive) used by such IPsec VPN connection.
Encryption Algorithm	Display the encryption algorithm for the data processed via such IPsec VPN connection.
Hash Algorithm	Display the hash algorithm for the data processed via such IPsec VPN connection.
Authentication-Method	Display the method used for authenticating the identification of user account.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

								
Open Search Mode	IPSEC Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode**  icon, you will get the following page.

<input type="checkbox"/>	2014-02-13 09:51:18	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/>	2014-02-13 09:50:47	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK
<input type="checkbox"/>	2014-02-13 09:50:14	2104_TBD	111.251.208.164	main	DES-CBC	MD5	PSK

User Server Mode Any ▾
 Authentication-Method Any ▾ Encryption-Algorithm Any ▾ Hash-Algorithm Any ▾ From 2014-02-19 To 2014-02-19 Search

Item	Description
User	Type the name of the user that you want to search.
Server	Type the IP address of the IPsec VPN server that you want to search.
Mode	Choose the mode (e.g., Any) used by such IPsec VPN connection that you want to search.
Encryption Algorithm	Choose the encryption algorithm for the data processed via such IPsec VPN connection that you want to search.
Hash Algorithm	Choose the hash algorithm for the data processed via such IPsec VPN connection that you want to search.
Authentication-Method	Choose the method used for authenticating the identification of user account that you want to search.
From....To...	Specify the period for viewing the IPsec VPN information that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Example:

To search the VPN connection on 111.251.208.164, specify the IP in the field of **User** and click **Search**.

The searching result will be shown as follows:


IPSEC VPN 🔍 🗑️ 🔄 📄 📊 📑 🖨️

1961 pcs/197 Pages Latest 20 days 2014-02-13(Thu) ▾

Date/Time	User Name/IP	Server	Mode	Encryption-Algorithm	Hash-Algorithm	Authentication-Method
<input type="checkbox"/>	2014-02-13 09:53:44	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:53:10	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:52:38	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:52:22	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:52:07	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:51:50	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:51:34	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:51:18	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:50:47	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK
<input type="checkbox"/>	2014-02-13 09:50:14	2104_TBD	111.251.208.164	main	DES-CBC	MD5 PSK

Viewing Record


For IPsec VPN application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such

application used by all of the monitored VPN type. Simply click **IPSEC Traffic Report**  icon, the following dialog will appear.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.15 Search Engine

This page display information about IP address/username of the one who uses search engine on Internet, what application software used and the duration time of the job continues.

Date/Time	User Name/IP	Search Engine	Keyword	Counts
2014-02-14 15:54:11	2104_Hw	google	紙電 .	1
2014-02-14 15:54:10	2104_Hw	google	紙为一号 .	1
2014-02-14 15:54:09	2104_Hw	google	dicate . .	1
2014-02-14 15:52:07	2104_Hw	google	http://3c.talk.tw/Article.aspx?ClassID=2&Article_ID=209 .	1

Item	Description
Date/time	Display the date and time for the job operation.
User Name/IP	Display the user name/IP address of the one who use the search engine.
Search Engine	Display the name for the search engine used by users.
Keyword	Display the keyword that the user typed in the search engine.
Counts	Display the times that the search engine is used by the user.
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

Additionally, there are several icons provided for you to search specified file(s), view the traffic, refresh current page, delete selected record, delete all record, mail all record to specified mail box and print current page.

Open Search Mode	ENGINE Traffic Report	Refresh	Delete records selected	Delete all records displayed	Send report to your e-mail	Export to PDF	Print this page	Print all of the pages

Searching Record

By clicking **Open Search Mode** icon, you will get the following page.

Date/Time	User Name/IP	Search Engine	Keyword	Counts
2014-02-14 15:54:11	2104_Hw	google	紙電 .	1
2014-02-14 15:54:10	2104_Hw	google	紙为一号 .	1
2014-02-14 15:54:09	2104_Hw	google	dicate . .	1
2014-02-14 15:52:07	2104_Hw	google	http://3c.talk.tw/Article.aspx?ClassID=2&Article_ID=209 .	1

User Keyword Search Engine From To

Item	Description
------	-------------

User	Type the name of the user who reviews the stock that you want to search.
Keyword	Type the keyword that you want to search.
Search Engine	Choose the search engine from the drop down list that you want to search.
From....To...	Specify the period for viewing the usage of the search engine that you want to search. Please check the box first before choosing the date.
Search	Click this button to execute searching job and display on this page.

Example:

To search the related data of the user, 2104_HW, specify the user name/IP in the field of **User** and click **Search**.

Viewing Record


For search engine application, the system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **ENGINE Traffic**

Report  icon, the following dialog will appear.


Refreshing Current Page

To refresh current page, simply click **Refresh**  and the record will be refreshed.


Deleting Selected Record

To delete one record, please choose that one you want to delete by checking the box. Then, click **Delete records selected** , the records of selected item(s) will be deleted automatically.




Deleting All Record

To delete all of the records displayed on current page, click **Delete all records displayed** . All the records listed in this page will be deleted completely.

Mailing All Record

You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

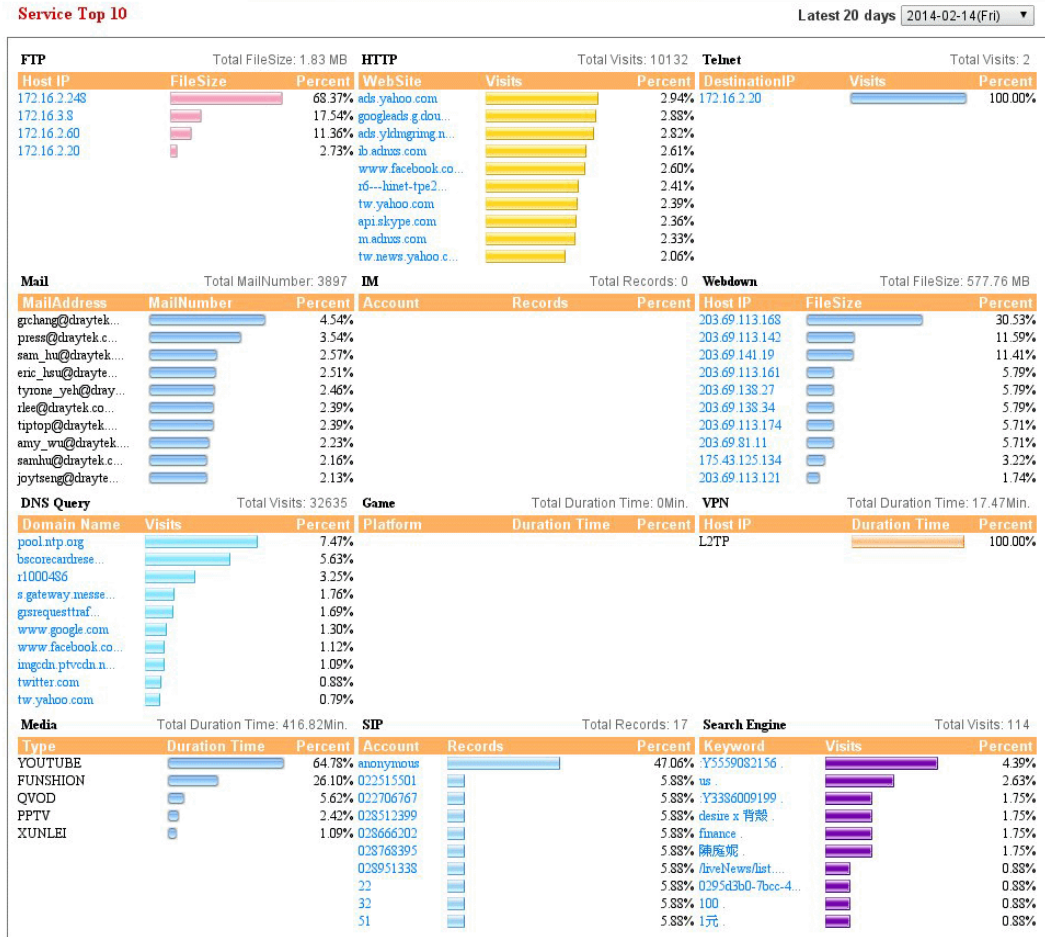
To have a hard copy of the records, please click  **Print this page**. Current page will be printed. Or, click **Print all**  to print out the records on all of the pages. In addition, all the records can be exported as PDF files by clicking .

3.3.16 Top 10

Such page displays the top 10 records for the 6 services.

Service Top 10 is used to display the network records under different services that appear frequently, for example, the website which is usually visited, accounts which transfers lots of mails, and so on.

With viewing Service Top 10, it is easy to find out the using custom of the grouping network and then configure proper firewall for the network.



Item	Description
Latest 20 days	Such function can display daily traffic report for the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report of other day.

3.4 User Analysis

This menu makes an analysis for the behavior of users. Also, it will show the top 10 services that users like to use. With such analysis, the administrator can easily understand what kind of service is used frequently.

- User Analysis
- Records & Report
- User By Traffic
- Top 10

3.4.1 Records & Report

Such page displays records/report for monitored users under different group/department. All the users will be listed below.

Records & Report Group/Department

mailserver*	119.160.254.197	172.16.1.238	172.16.2.11	172.16.2.18	172.16.2.19	172.16.2.63	172.16.2.76
172.16.2.78	172.16.2.102	172.16.2.106	172.16.2.109	172.16.2.120	172.16.2.127	172.16.2.129	172.16.2.132
172.16.2.134	172.16.2.141	172.16.2.149	172.16.2.163	172.16.2.164	172.16.2.189	172.16.2.201	172.16.2.226
172.16.2.229	172.16.2.240	172.16.3.11	172.16.3.14	172.16.3.18	172.16.3.19	172.16.3.20	172.16.3.81
172.16.3.90	172.16.3.96	172.16.3.98	172.16.3.99	172.16.3.100	172.16.3.102	172.16.3.104	172.16.3.112
172.16.3.114	172.16.3.116	172.16.3.117	172.16.3.119	172.16.3.122	172.16.3.128	172.16.3.129	172.16.3.132
172.16.3.135	172.16.3.138	172.16.3.141	172.16.3.142	172.16.3.149	172.16.3.152	172.16.3.160	172.16.3.162
172.16.3.163	172.16.3.165	172.16.3.168	172.16.3.169	172.16.3.176	172.16.3.177	172.16.3.178	172.16.3.179
172.16.3.180	172.16.3.181	172.16.3.182	172.16.3.184	172.16.3.193	172.16.3.195	172.16.3.198	172.16.3.201
172.16.3.202	172.16.3.214	172.16.3.219	172.16.3.223	172.16.3.229	172.16.3.234	172.16.3.235	172.16.3.236
172.16.3.238	172.16.3.239	172.16.3.241	172.16.3.245	172.16.3.251	172.16.100.135	173.194.25.49	203.66.87.143
208.91.112.137	221.204.238.135						

You can click the name link to see the detailed analysis. Different services shared by the user will be listed. The number shown after the service indicates that the times the user has accessed that service at that day.

[192.168.1.12](#)

FTP	(0)
Mail	(20)
HTTP	(23)
IM	(0)
Media	(0)
Telnet	(0)
P2P	(0)
Webdown	(0)
Stock	(0)
Game	(0)
SIP	(0)
DNS Query	(72)
VPN	(0)
IPSEC VPN	(0)
Search Engine	(0)
Daily Report	
Timeline Report	
Top 10	

From the above figure we can see there are 20 Mail records, 23 HTTP records and 72 DNS query records. Click on it to access the viewing page to check the total records of the service that user utilizes within specified time.

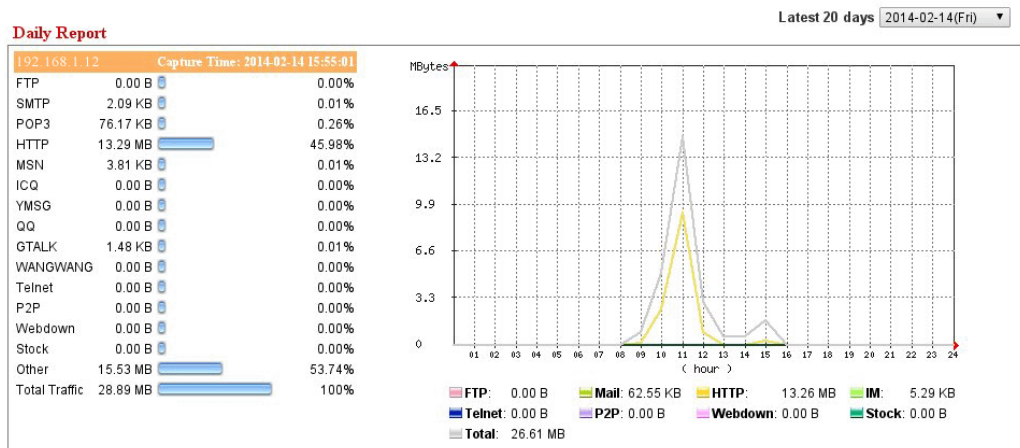
🔍 🔄 🗑️ 📧 📧

192.168.1.12

🔙 1 2 3 4 5 6 🔜 52 pcs/6 Pages Latest 20 days

Date/Time	Sender	Recipient	Subject
2014-02-19 10:14:10	Orange-Business-Services@news34.zoho.info	press@draytek.com	Tenez simplement votre comptabilité.
2014-02-19 10:01:40	sam_hu@draytek.com,sam_hu@draytek.com	undisclosed-recipients	MIS1: 09:40
2014-02-19 10:01:40	linda_chang@draytek.com	marketing@draytek.com	Linda
2014-02-19 09:31:39	mailman@mx.udnpaper.com	mailman@udnpaper.com	
2014-02-19 08:59:03	3smarket.world@gmail.com	3smarket.world@gmail.com	2014:
2014-02-19 08:50:58	eric_hsu@draytek.com	undisclosed-recipients	MIS08 : 50 VoIP GW/VPN2/OSCAF
2014-02-19 08:27:41	Orange-Business-Services@news19.zoho.info	info@draytek.com	Tenez simplement votre comptabilité.
2014-02-19 08:27:04	tiptop@draytek.com	info-Shipment@DrayTek.com	
2014-02-19 08:27:04	dawsonxv4184@aol.com	speedcat9015@yahoo.com	
2014-02-19 08:27:04	dawsonxv4184@aol.com	cfrazier@gluedideas.com	

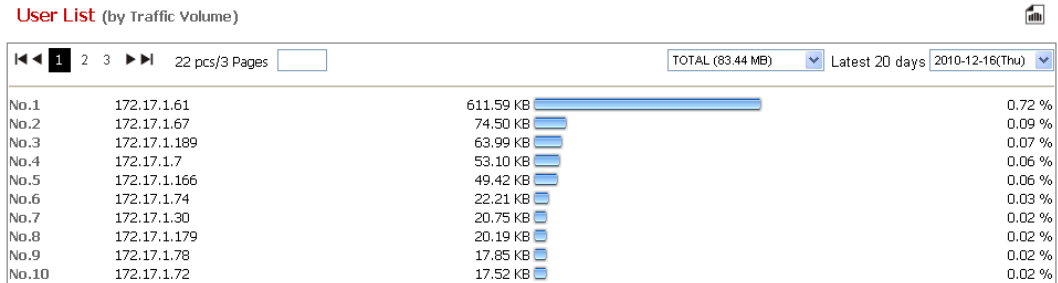
Click **Daily Report**. The system will pop up the following screen which clearly displays the network application for the specified user.




3.4.2 User By Traffic


This page displays the network traffic of each user. If any abnormal usage is found, the administrator can correct it in time.

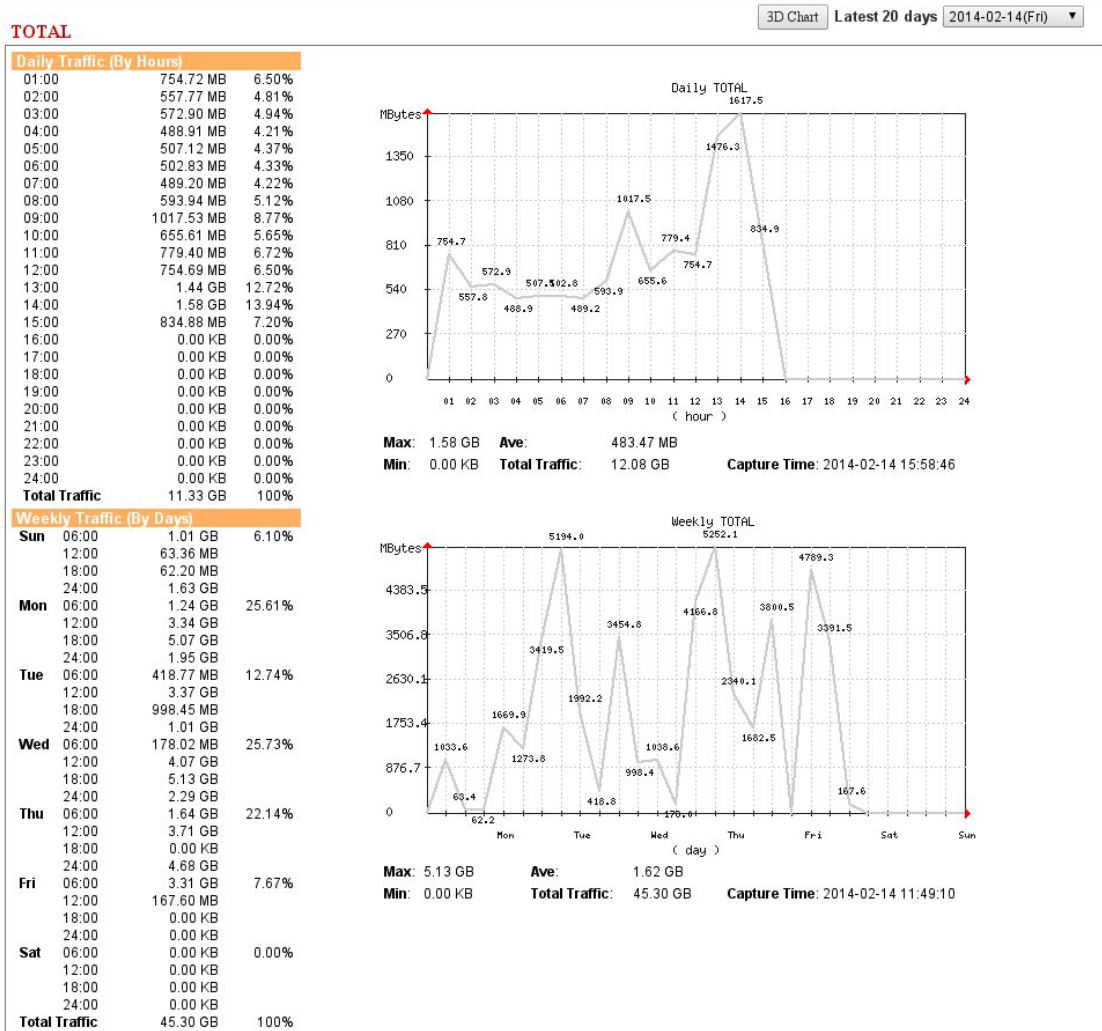
Moreover, according to the protocol (TCP/UDP/FTP/SMTP.....) used by the user, the administrator can review the ranking of each traffic and find the unreasonable network application in time.



Item	Description
Protocol	<p>Simply choose one of the protocols. The system will list the top 10 users who use the selected protocol for data transmission.</p> 
Latest 20 days	<p>Such table can display daily traffic report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.</p>

Viewing Record

The system allows you to view utilization displayed with graphic. From the pop-up window, you can clearly inspect daily traffic and weekly traffic of such application used by all of the monitored accounts. Simply click **TOTAL Traffic Report**  icon, the following dialog will appear.

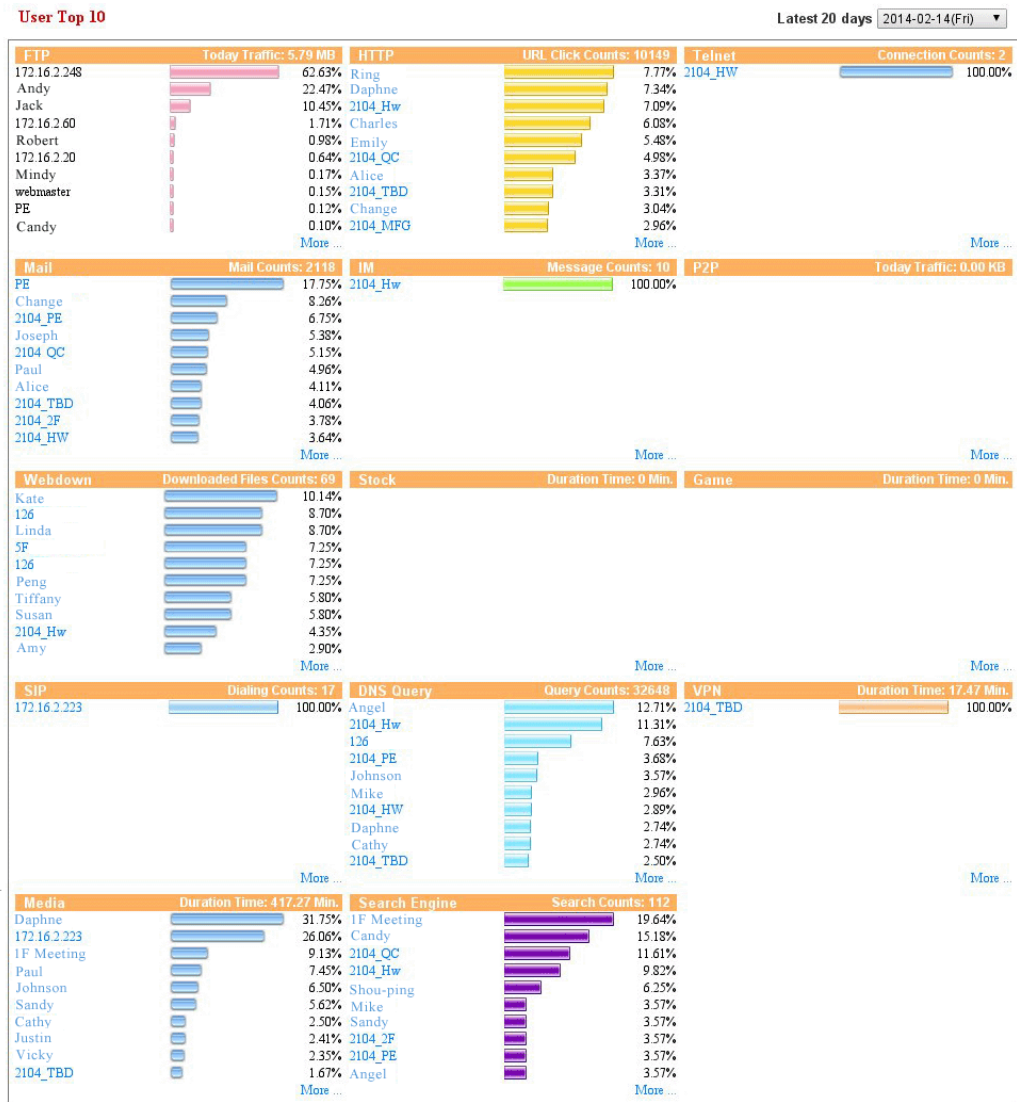


3.4.3 Top 10

This page displays top 10 users who use that service at that day.

This page will list the ranking of network services for users. The administrator can easily find which user/which network service is used frequently. Moreover, with clicking the user name, the service using log of that user can be inspected by the administrator easily.

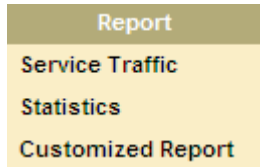
In addition, such function can be open to anonymous users. Even general users can check and view their network usage ranking and restraint their network behaviors.



Item	Description
Latest 20 days	Such table can display daily traffic report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.

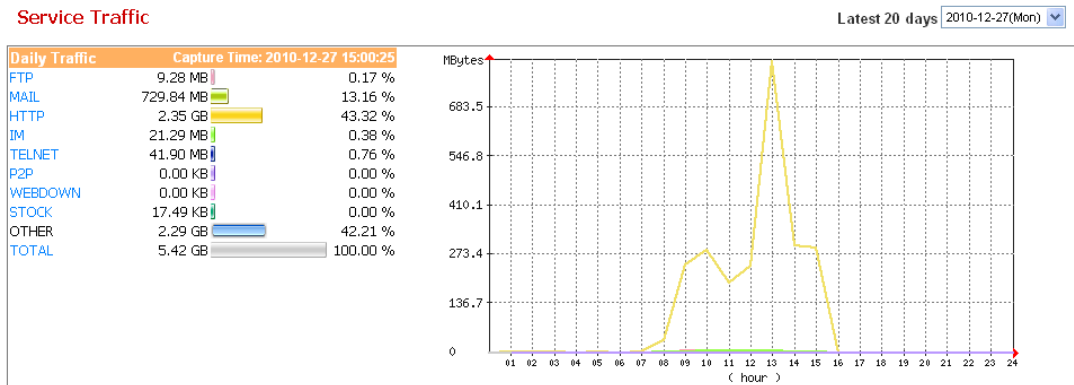
3.5 Report

This menu lists reports for service traffic, statistics and daily preview/export.



3.5.1 Service Traffic

Such page displays the percentage for the traffic of each service that users have accessed.

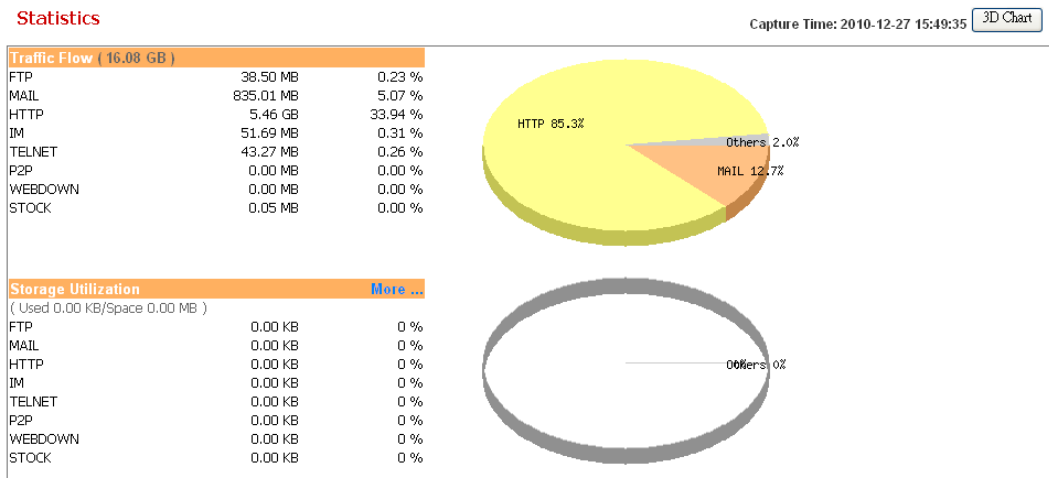


Item	Description
Latest 20 days	Such table can display daily traffic report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other day.

3.5.2 Statistics

Traffic and storage utilization will be displayed with table, 3D Chart and Pie Chart for your reference. Simply click the **3D Chart/Pie Chart** button to have a clear view for statistics.

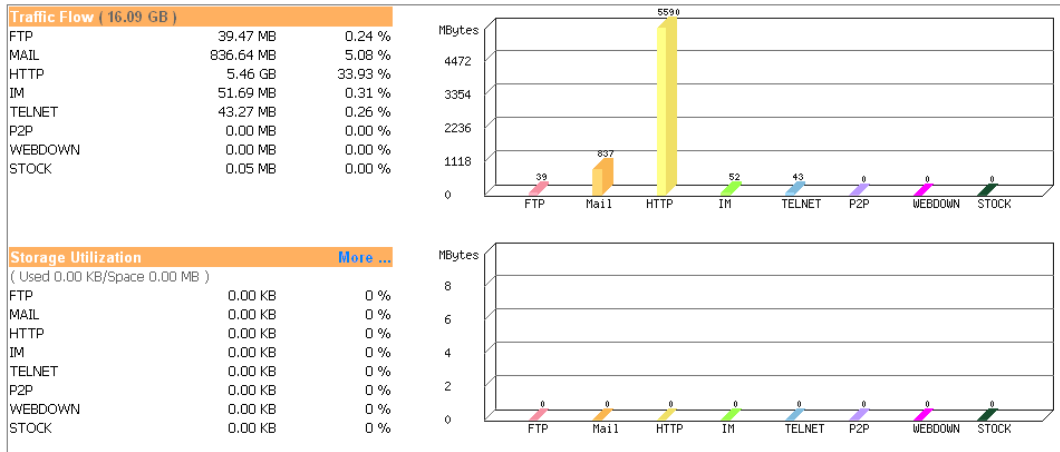
Note: Only identified and categorized traffic types will be counted and shown in the charts.



Notice: Only identified and categorized Traffic types are counted and shown in the charts.

Statistics

Capture Time: 2010-12-27 15:50:06 Pie Chart



Notice: Only identified and categorized Traffic types are counted and shown in the charts.

3.5.3 Customized Report

Such page displays all the data traffic volume on FTP, MAIL, HTTP, IM, TELNET, P2P, WEBDOWN, STOCK, TOTAL and Top 10 within one day with bar chart and table.

All the data can be previewed in this page and exported with PDF files for off-line viewing by the administrator.

Besides, this page also provides reports delivering to the administrator if the radio button of E-Mail is selected. The administrator can receive the daily /weekly / monthly network report transferred by Smart Monitor to inspect the usage of network without logging into Smart Monitor.

Customized Report

Users Browser

172.16.3.60 (Myvisor), 172.16.3.74 (IF雷射印表機), 172.16.3.82 (Candy_IPhone), 172.16.3.83 (曾淑芬), 172.16.3.84 (張寶芬), 172.16.3.85 (陳純麗), 172.16.3.86 (呂海萌), 172.16.3.87 (陳金強), 172.16.3.90 (Alpha_IPhone), 172.16.3.91 (Daniel_IPhone), 172.16.3.92 (Alice_IPhone), 172.16.3.93 (dnl_IPhone), 172.16.3.94 (Sava_IPhone), 172.16.3.95 (Elena_IPhone), 172.16.3.96 (Jsu_IPhone), 172.16.3.97 (Joseph_IPhone), 172.16.3.98 (魏少平), 172.16.3.104 (Hw_File), 172.16.3.105, 172.16.3.121 (2104測試電腦_121), 172.16.3.122 (2104測試)

Service Types

<input checked="" type="checkbox"/> FTP Traffic and Counts	<input checked="" type="checkbox"/> MAIL Traffic and Counts	<input checked="" type="checkbox"/> HTTP Traffic and Counts	<input checked="" type="checkbox"/> IM Traffic and Counts
<input checked="" type="checkbox"/> TELNET Traffic	<input checked="" type="checkbox"/> P2P Traffic	<input checked="" type="checkbox"/> STOCK Traffic and Counts	<input checked="" type="checkbox"/> TOTAL Traffic
<input checked="" type="checkbox"/> FTP Top 10	<input checked="" type="checkbox"/> MAIL Top 10	<input checked="" type="checkbox"/> HTTP Top 10	<input checked="" type="checkbox"/> IM Top 10
<input checked="" type="checkbox"/> TELNET Top 10	<input checked="" type="checkbox"/> P2P Top 10	<input checked="" type="checkbox"/> STOCK Top 10	<input checked="" type="checkbox"/> TOTAL Top 10

Duration(e.g.12:00-13:00,14:00-15:00)

00:00-24:00

Export

PDF From [2014-01-09] To [2014-01-09]

E-Mail Automatically sent everyday Automatically sent weekly(Sun.) Automatically sent monthly(1st)

Preview Execute

Item	Description
Export	<ul style="list-style-type: none"> ● PDF - The statistics report can be exported as a PDF file. Click the PDF radio button and click Execute. A file download dialog box will appear. In general, the file will be stored with the name of "SmartMonitro_Report.pdf". Please click Save to save it and

view it later. Or, click **Open** to view it right away.

- **E-MAIL-** The statistics report can be sent to the e-mail address specified in **System>>Admin** automatically based on the account you use for logging into Smart Monitor. If you want to get such statistics from Smart Monitor everyday/weekly/monthly, simply check the box of “**Automatically sent everyday**”/ “**Automatically sent weekly**” / “**Automatically sent monthly**”. Next, click **Execute**.

4. Application

4.1 Be a Good Network Administrator

To the network administrators, they always care about how to deploy the best firewall to maximum the enterprise efficiency. However, in configuring the firewall, corresponding information for reference always is shortage. Usually, the administrator can just configure the firewall with personal subject judge. Therefore, the best configuration of the firewall always cannot be reached easily.

After configuring Smart Monitor, the above distress can be improved. Smart Monitor not only is a monitoring tool, but also provides guidance to configure the firewall for the administrator with the rich statistics information.

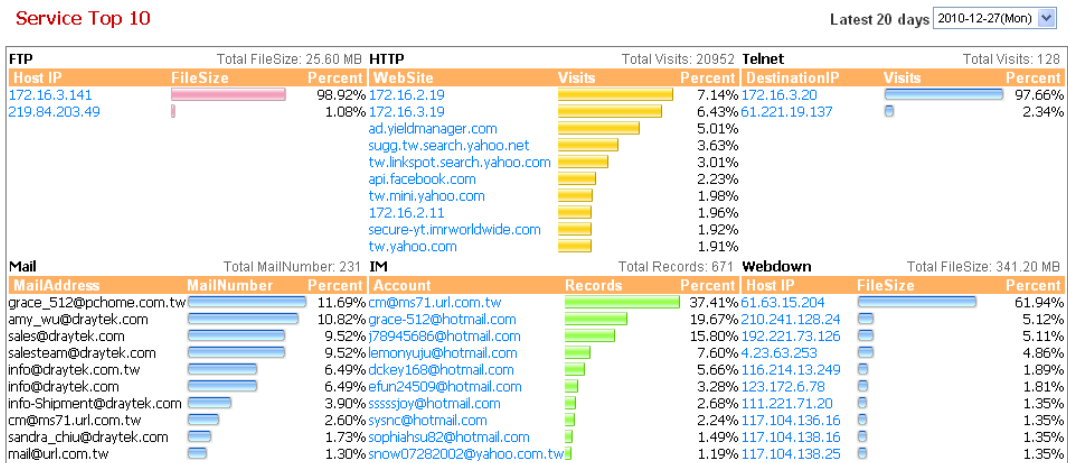
4.1.1 Reducing Web Page Visiting of Non-Work Usage

Employers always browse various web pages for their jobs. Some of the web pages have something to do with their jobs, however, some of them do not. Therefore, the network administrator usually wishes to reduce the web page visiting that has no relationship with the work.

With the statistics function of Smart Monitor, the web sites which are visited frequently and not related to the jobs will be blocked in the firewall easily.

To achieve such purpose, follow the steps below:

A. Use the Service Top 10 function of Smart Monitor (Service Analysis>> Top 10).



From the above figure we can see that *rss.tw.msn.com*, *tw.stock.yahoo.com*, *news.chinatimes.com* typically are not related to the jobs. That is, they should be forbidden.

In addition, we also can find several common keywords, rss, stock, news, chinatimes. Next, we can open firewall setting page for configuration.

B. Open Firewall>>URL Content Filter by accessing Vigor router's web configurator.

Firewall >> URL Content Filter

Content Filter Setup

Enable URL Access Control

Enable URL Access Log

Black List (block those matching keyword)

White List (pass those matching keyword)

No	ACT	Keyword	No	ACT	Keyword
1	<input checked="" type="checkbox"/>	rss stock news chinatimes	5	<input type="checkbox"/>	
2	<input type="checkbox"/>		6	<input type="checkbox"/>	
3	<input type="checkbox"/>		7	<input type="checkbox"/>	
4	<input type="checkbox"/>		8	<input type="checkbox"/>	

Note that multiple keywords are allowed to specify in the blank. For example: **hotmail yahoo msn**

Prevent web access from IP address

With the above two steps, these websites being visited frequently can be blocked. Meanwhile, the related news web site, stock web site will be filtered.

However, users always will try and change another route if they find one way being blocked. To solve this problem, simply observe the usage custom for a time-spam and repeat the above steps to optimize the firewall settings. Then, the firewall configuration will be toward to be perfect in the future.

A superior administrator not only manages the users for the whole network, but also he can configure the network for different usage based on the practical conditions. Smart Monitor provides analysis tool to make the analysis of the users' customs in web site visiting for carrying out rule settings.

4.1.2 Reducing IM Application of Non-Work Usage

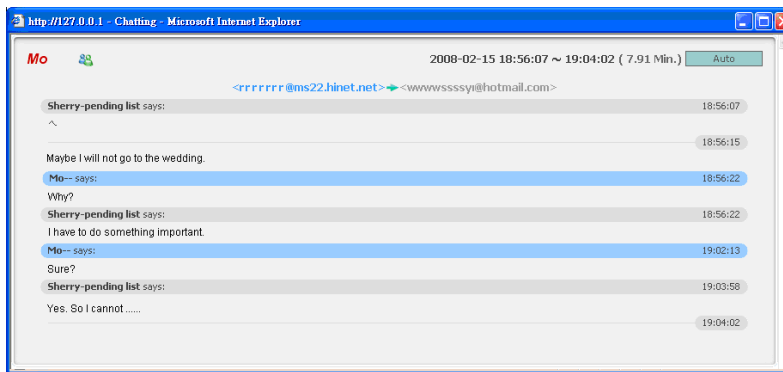
By following the popularization of MSN and QQ, IM software is indispensable to most of the people nowadays. However, the abuse of MSN and QQ has affected the operation efficiency of the enterprise.

Even lots of important data are revealed outside due to the convenience of IM application. Smart Monitor not only records the chatting of IM, but also restores the chatting records faithfully. Thus, all the information transferred by IM can be recorded, viewed and searched at any time.

There are two ways of recording IM offered for the administrator for a reference:

A. Chatting record of the user

The chatting record can be viewed through **Service Analysis>>IM**.



B. Top 10 of IM Usage

There are two ranking records for the administrator to check, one is user top 10 and the other is service top 10.

From these two rankings, we can know the habit of the user and the IM account appeared frequently. With these two records, the administrator can analyze the using custom of the users and provide suggestions for configuring suitable firewall settings.

For the one who often uses IM for chatting only, we can configure the firewall setting by accessing the router's web configurator to block the application of IM of that user.

Profile Index : 2

Profile Name:

Check for Disallow :

IM			VoIP	
<input type="checkbox"/> MSN	<input type="checkbox"/> Yahoo Messenger	<input type="checkbox"/> ICQ		
<input type="checkbox"/> AIM	<input type="checkbox"/> QQ	<input type="checkbox"/> iChat		
<input type="checkbox"/> Google Talk			<input type="checkbox"/> jajah	
<input type="checkbox"/> Web IM (http://www.e-messenger.net/)			<input type="checkbox"/> Skype	
<input type="checkbox"/> Web MSN (http://webmessenger.msn.com/)				

P2P	
Protocol	Applications
<input type="checkbox"/> SoulSeek	SoulSeek
<input type="checkbox"/> eDonkey	eDonkey, eMule, Shareaza
<input type="checkbox"/> FastTrack	KazaA, iMesh
<input type="checkbox"/> Gnutella	BearShare, Limewire, Shareaza
<input type="checkbox"/> BitTorrent	BitTorrent

Simply check the items for disallow and configure the rule of the firewall, it can make the specified user not using some/several IM software.

4.1.3 Best Configuration for Other Network Service

Basically, Smart Monitor contains main stream of network applications. By monitoring the application of Telnet, e-mail, and P2P, the administrator can use Smart Monitor to analyze the problems encountered or low usage efficiency via the charts and diagrams on Smart Monitor.

More important is that Vigor series firewall router also offers sufficient built-in service configuration for IM and P2P applications. The administrator can make a good control through the firewall configuration.

With the joint application of Smart Monitor and Vigor router, enterprise network can be utilized with highest efficiency.

4.2 Leading in Self-Managing for Creating High Efficiency Office Environment

The purpose of management is to increase the work efficiency of the enterprise. Many companies strengthen the management vigor in every phase just for such purpose. However, we always find that employers can not accept such limits due to the severe network rule limitations. As a result, managing problem might be brought out and affect the work efficiency.

To solve such problem, Smart Monitor offers simple system ranking to assist the users in enterprise to do self-management. Smart Monitor can carry out ranking for various network applications and list the Top 10. Such ranking can be open to anonymous users for checking.

Users can check their network ranking with anonymous logging to Smart Monitor. For example, if it is not necessary for the user to use IM software excessively in his work, the user will reduce the usage of IM software when he finds the IM application ranking has been listed in Top 10.

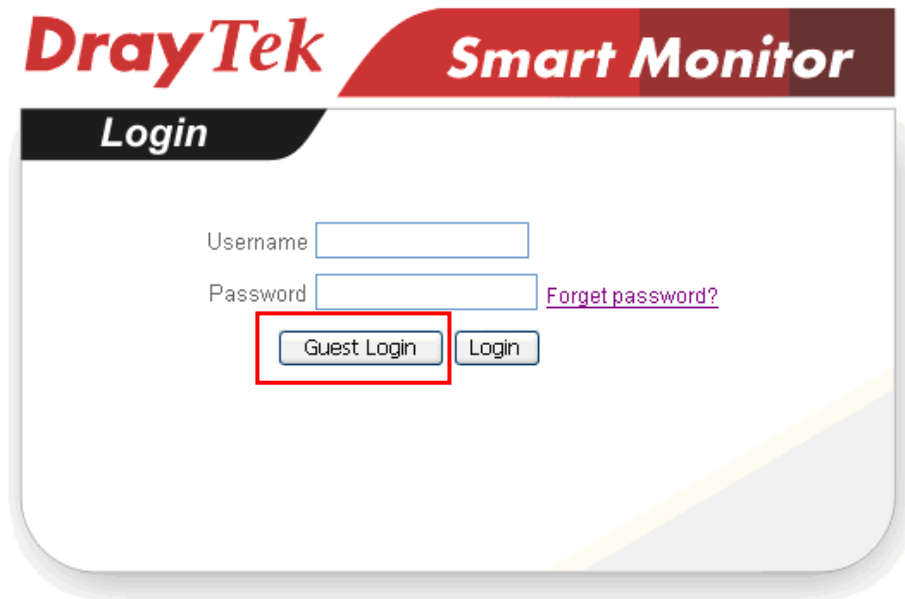
When all the users in the enterprise can think network application over and over and reduce the IM application, a trend of reducing IM application will be produced automatically. Thus, self-management for every user can be reached freely and easily.

Below shows the steps to make anonymous logging for all users in an enterprise:

1. Open **System>>Setting** and check **Allow login anonymously**.

The screenshot shows the 'Setting' page of the Smart Monitor configuration interface. The page is divided into several sections: SMTP, Admin Login Control, Recording, and Administration. The 'Administration' section is highlighted with a red box, and the 'Allow login anonymously' checkbox is checked. Other visible settings include 'Warn at firstpage' and 'Send email' checkboxes, which are also checked. The 'Recording' section shows various application types checked, including FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, and Stock. The 'Admin Login Control' section shows 'When retry over 3 times, block IP for 10 Min.' and a link to 'Current blocking list'.

2. Use a browser to open Smart Monitor interface. Click **Anonymous Login**.



3. The web page for anonymous login will be displayed on the screen with few menu items.

Anonymous user can only view top 10 of traffic usage and top 10 of users. Therefore the anonymous user can check if the usage traffic and network service of the user has been listed on Top 10.

After deploying Smart Monitor, the administrator can notify all the users of anonymous logging. Everyone can check the network application by himself at any time. Even, they can remind for each other and restrain their network behavior. Thus, self management mechanism can be achieved easily in the whole network.