

DrayTek

Smart Monitor Network Activity Monitor System



Your reliable networking solutions partner

User's Guide

V1.0

Smart Monitor User's Guide

Version: 1.0

Firmware Version: V1.0.0

Date: 14/01/2011

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Firmware & Tools Updates

Due to the continuous evolution of DrayTek technology, all routers will be regularly upgraded. Please consult the DrayTek web site for more information on newest firmware, tools and documents.

<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

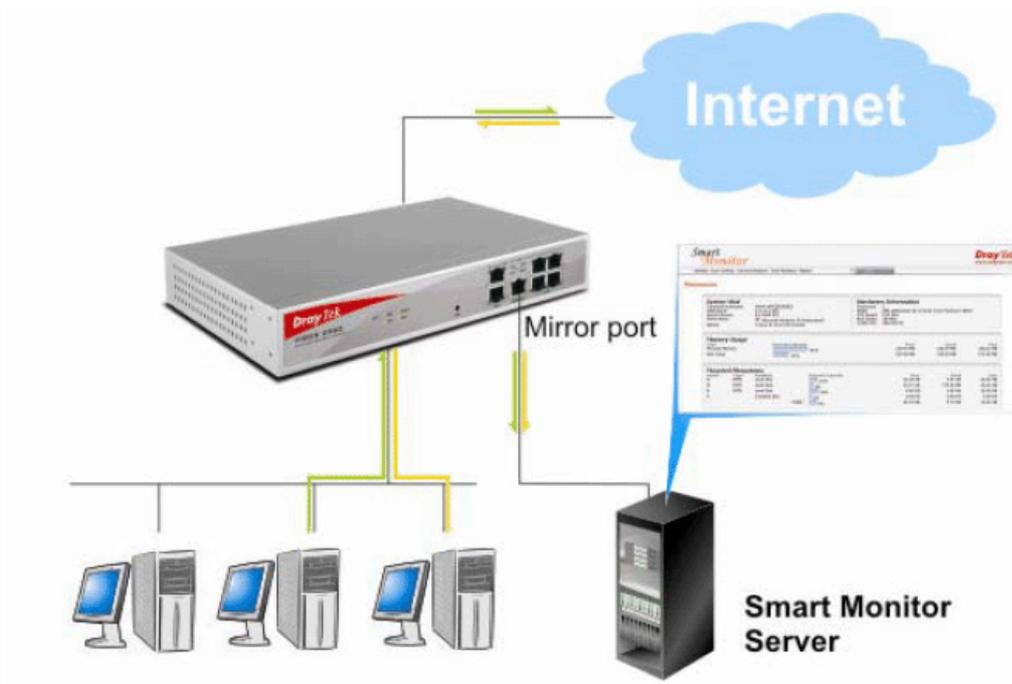
- Intel P4 1.4GHz and above /AMD CPU
- 20 GB free hard disk at least
- 1GB RAM and above
- Vigor Router, e.g., Vigor 2950

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 VigorPro 5510, Vigor2950, and etc.) to capture monitored information.



1.4 Installation

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

- Ubuntu10.10

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.

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

3. Next, configure the php.ini file.

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

4. In the file of 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.

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

6. Restart apache2 to activate new settings.

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

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

```
chmod 777 sm100.run
```

10. Perform the following command to install the software.

```
./sm100.run -i
```

11. 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 document root for apache is /var/www/.)
12. After the software is installed successfully, use the following command to start the software.

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

1.4.2 Uninstall Smart Monitor

- Type the following command to uninstall the software.

```
./sm100.run -r
```

1.4.3 Software Upgrade

1. Close the old version of Smart Monitor.

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

2. Backup the files in the database.

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

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

```
./sm100.run -r
```

4. Install the new version of Smart Monitor.

```
./sm100.run -i
```

5. Restore the files to the database.

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

6. Restart apache to activate the new settings.

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

7. Start new version of Smart Monitor and watchdog.

```
/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.

```
/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.

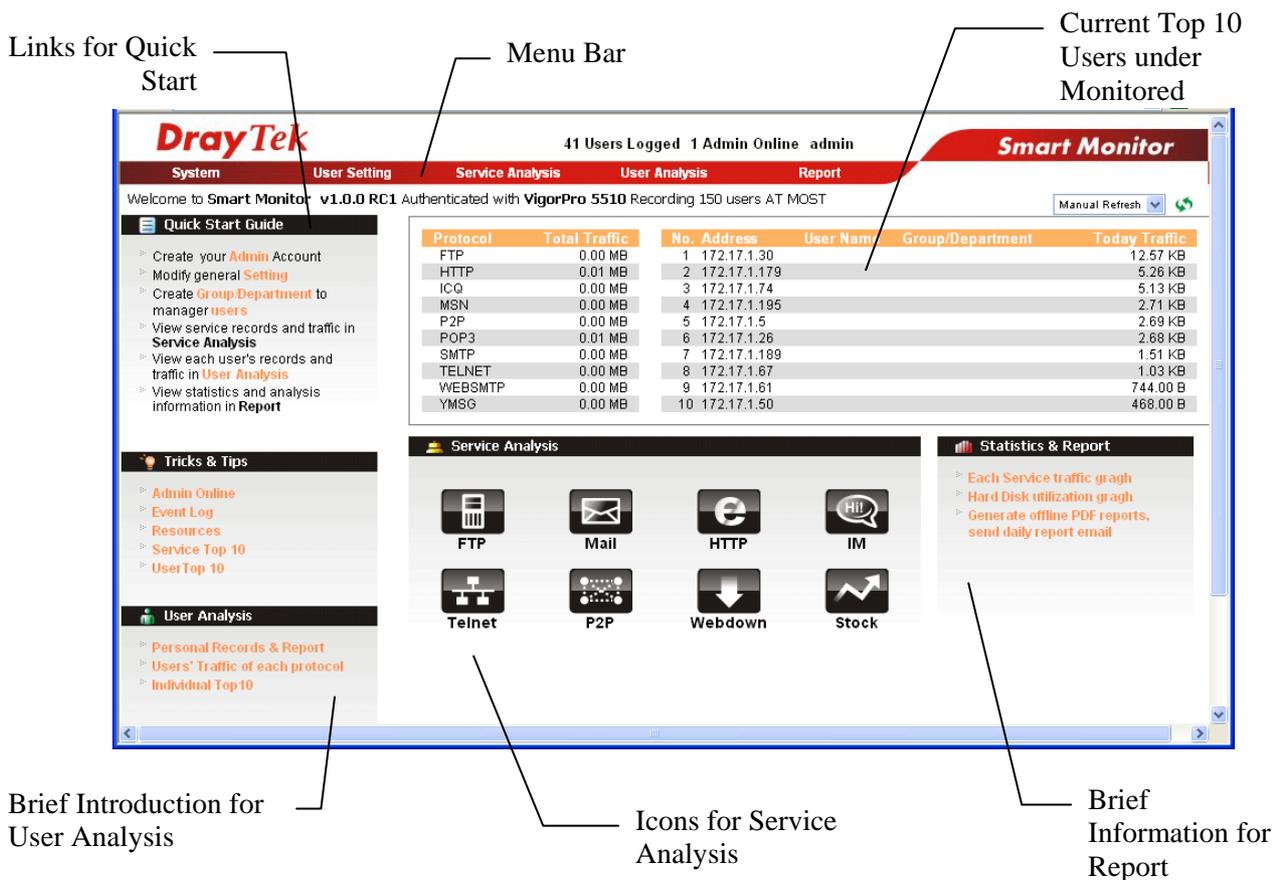


The screenshot shows a web login interface for DrayTek Smart Monitor. The interface features a red header with the 'DrayTek' logo on the left and 'Smart Monitor' on the right. Below the header is a black bar with the word 'Login' in white. The main content area is white and contains a 'Username' field with the text 'admin' entered, a 'Password' field with six dots, and a 'Forgot password?' link. At the bottom of the form 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.



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

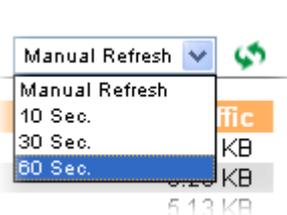
Provide icons to check service analysis. Simply double-click on them. The system will open the corresponding pages.

Brief Information for Report

Display brief explanation that Report contains.

Current Top 10 Users under Monitored

Display a table of IP address, user name, group/department, total amount for current top 10 monitored users. Such table can be refreshed automatically within 10 seconds, 30 seconds or 60 seconds according to the settings that you choose. If you choose Manual Refresh, you have to press the Refresh icon to renew the table by yourself.



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 interface. At the top, it displays '42 Users Logged 1 Admin Online guest' with 'guest' circled in red. Below the header, there's a 'Quick Start Guide' on the left with a list of tasks including 'Create your Admin Account', 'Modify general Setting', and 'Create Group/Department to manager users'. The main area features a table of network traffic analysis:

Protocol	Total Traffic	No.	Address	User Name	Group/Department	Today Traffic
FTP	0.00 MB	1	172.17.1.30			12.57 KB
HTTP	0.01 MB	2	172.17.1.179			5.26 KB
ICQ	0.00 MB	3	172.17.1.74			5.13 KB
MSN	0.00 MB	4	172.17.1.195			2.71 KB
P2P	0.00 MB	5	172.17.1.5			2.69 KB
POP3	0.01 MB	6	172.17.1.26			2.88 KB
SMTP	0.00 MB	7	172.17.1.189			1.51 KB
TELNET	0.00 MB	8	172.17.1.67			1.03 KB
WEBSMTP	0.00 MB	9	172.17.1.61			744.00 B
YMSG	0.00 MB	10	172.17.1.50			468.00 B

Below the table are sections for 'Service Analysis' (FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, Stock) and 'Statistics & Report' (Each Service traffic graph, Hard Disk utilization graph, Generate offline PDF reports, send daily report email).

The navigation menu shows two main categories: 'User Analysis' and 'System'. Under 'User Analysis', there are links for 'User By Traffic' and 'Top 10'. Under 'System', there are links for 'License Agreements' and 'Log Out'.

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

2.4 Group/Department Operation

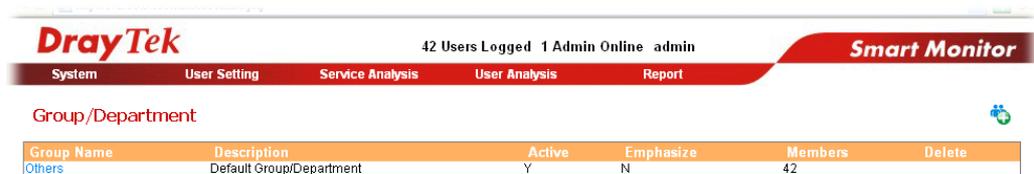
By grouping the users, the administrator can set different monitoring contents for different users. Meanwhile, the administrator can dispatch the users to suitable groups quickly to make the group operation of users being easily.

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**.

The image shows two navigation paths. On the left, the 'Quick Start Guide' menu has 'Create Group/Department to manager users' highlighted with a red box. On the right, the 'User Setting' menu has 'Group/Department' highlighted with a yellow box. The word 'OR' is placed between the two menus.

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

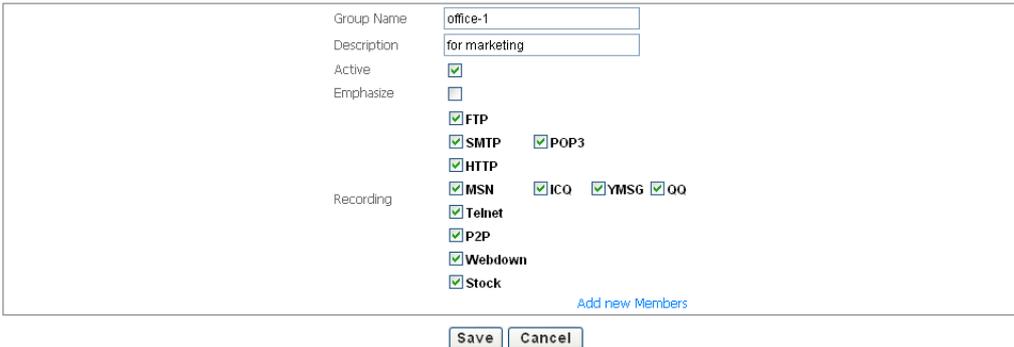


The screenshot shows the DrayTek Smart Monitor interface. At the top, it displays '42 Users Logged 1 Admin Online admin' and the 'Smart Monitor' logo. Below the navigation bar, there is a 'Group/Department' section with a table:

Group Name	Description	Active	Emphasize	Members	Delete
Others	Default Group/Department	Y	N	42	

- The following screen will appear.

New Group/Department



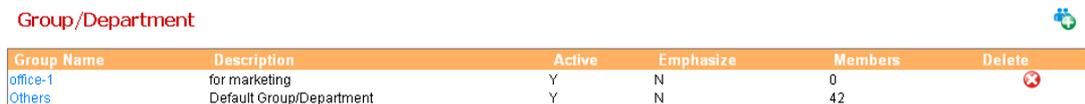
The form contains the following fields and options:

- Group Name: office-1
- Description: for marketing
- Active:
- Emphasize:
- Recording:
 - FTP
 - SMTP POP3
 - HTTP
 - MSN ICQ YMSG QQ
 - Telnet
 - P2P
 - Webdown
 - Stock

Buttons: Save, Cancel. Link: Add new Members

- 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.
- In the Recording field, choose the service(s) that Smart Monitor will record and monitor for such group.
- Click **Save**.

Below shows a figure of new group added.



The screenshot shows the updated 'Group/Department' table:

Group Name	Description	Active	Emphasize	Members	Delete
office-1	for marketing	Y	N	0	
Others	Default Group/Department	Y	N	42	

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.

- Open **User Settings>>User List**.



- 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

42 pcs/5 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"/>	172.16.0.193		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	172.16.1.238		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/>	172.16.2.11		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/>	172.16.2.16		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	<input checked="" type="checkbox"/>	172.16.2.18		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	<input checked="" type="checkbox"/>	172.16.2.19		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	<input checked="" type="checkbox"/>	172.16.2.65		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<input checked="" type="checkbox"/>	172.16.2.76		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	<input checked="" type="checkbox"/>	172.16.2.84		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	<input checked="" type="checkbox"/>	172.16.2.86		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save

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.

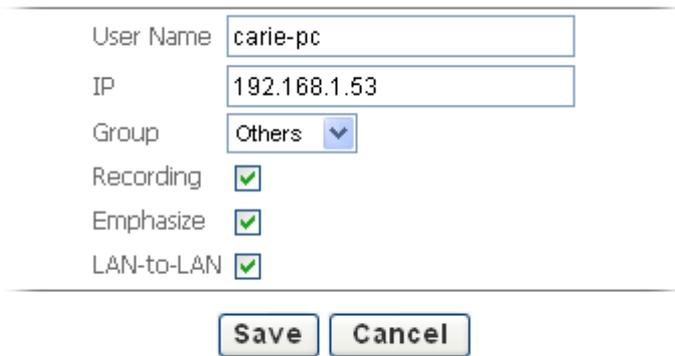
No	The index number of the IP address of the user.
Recording	Check the box to record the network usage of the IP address.
IP	Display the IP address of the user.
User Name	Define a name for each user. Such name is easily and convenient to be identified when viewing various records such as Top 10.
Group	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.

- Type in username separately by mapping with each IP address.
- Choose the group that such IP address would be combined.
- 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.



User Name

IP

Group

Recording

Emphasize

LAN-to-LAN

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 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*	<input type="text" value="carie-pc"/>	Others	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
2	<input checked="" type="checkbox"/>	172.16.0.193	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
3	<input checked="" type="checkbox"/>	172.16.1.238	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
4	<input checked="" type="checkbox"/>	172.16.2.11	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
5	<input checked="" type="checkbox"/>	172.16.2.16	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
6	<input checked="" type="checkbox"/>	172.16.2.18	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
7	<input checked="" type="checkbox"/>	172.16.2.19	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
8	<input checked="" type="checkbox"/>	172.16.2.65	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
9	<input checked="" type="checkbox"/>	172.16.2.76	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
10	<input checked="" type="checkbox"/>	172.16.2.84	<input type="text"/>	Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>

Note:

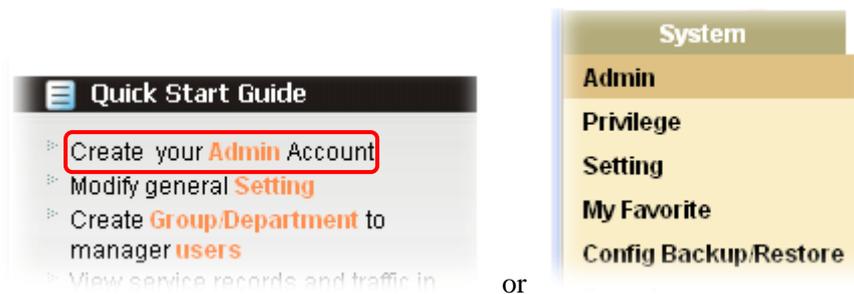
- In **User List** page, it will be convenient for management by setting a user name for every IP address
- You can group the users for monitoring the configuration and easily managing. For the detailed of group, it will be introduced in later sections.

2.6 Create/Modify Admin Account

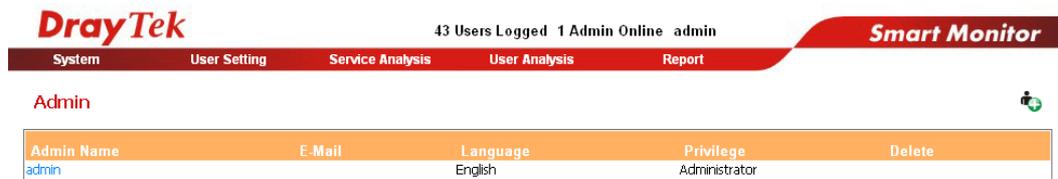
It is not safe to use the default user name and password. It is strongly suggested to modify user name and password after registering Smart Monitor. Additionally, an admin account can only login one PC at a time. Therefore, please create different accounts and passwords for different administrators.

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

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



2. Click the **New Admin**  icon.



3. The following screen will appear.

Admin Name:

Password:

Confirm Password:

E-Mail:

Language:

Privilege:

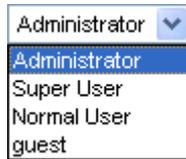
View Access: FTP Mail HTTP IM Telnet P2P Webdown Stock

Delete Access: FTP Mail HTTP IM Telnet P2P Webdown Stock

DB Operation: Enable

4. 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**.
5. 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.

6. **Language** field is very important for it determines the language system display for Smart Monitor when administrators log in.
7. 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**.



8. Click **Save**.

Below shows a figure of new admin account added.

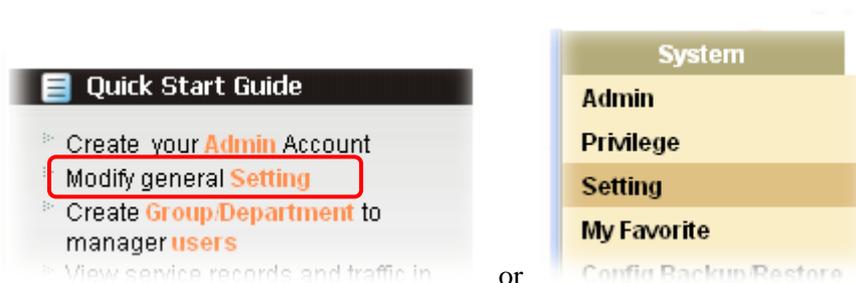
Admin +

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.

1. 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	<input type="text" value="0.0.0.0"/>	Need authentication	<input type="checkbox"/>		
Port	<input type="text" value="25"/>	Username	<input type="text"/>		
Mail Box	<input type="text"/>	Password	<input type="password" value="*****"/>		
Admin Login Control					
When retry over		<input type="text" value="3"/>	times, block IP for	<input type="text" value="10"/>	Min. Current blocking list
Recording					
<input checked="" type="checkbox"/> FTP <input checked="" type="checkbox"/> Mail <input checked="" type="checkbox"/> HTTP <input checked="" type="checkbox"/> IM <input checked="" type="checkbox"/> Telnet <input checked="" type="checkbox"/> P2P <input checked="" type="checkbox"/> Webdown <input checked="" type="checkbox"/> Stock					
Months to keep backup files in disk <input type="text" value="6"/> (1-12) months					
Max FTP filesize		<input type="text" value="10"/> (1-100) MB	Max mail attached file size		<input type="text" value="10"/> (1-10) MB
WebDown file type					
<input type="text" value="avi bin bz2 doc exe gz gzip ing iso lzh m4a mov mp3 mp4 mps mpe mpeg mpg msi ogg pdf ppt plj pps qt ra ram rar rm rmvb see sit sitx tar wav wma wmv z zip"/>					
Administration					
When free disk space is below		<input type="text" value="200"/> (>200) MB	<input checked="" type="checkbox"/> Warn at firstpage		<input checked="" type="checkbox"/> Send email
Session Timeout		<input type="text" value="60"/> Min.	Allow login anonymously <input checked="" type="checkbox"/>		
Interface	<input type="text" value="eth0"/>				

- 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.

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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.

System
Admin
Privilege
Setting
My Favorite
Config Backup/Restore
Event Log
Resources
License Agreements
Log Out

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	

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="carrie"/>
Password	<input type="password" value="*****"/>
Comfirm Password	<input type="password" value="*****"/>
E-Mail	<input type="text" value="carrie_ni@draytek.com"/>
Language	<input type="text" value="English"/>
Privilege	<input type="text" value="Normal User"/>
<small>] View Access: FTP Mail HTTP IM Telnet P2P Webdown Stock] Delete Access: FTP Mail HTTP IM Telnet P2P Webdown Stock] DB Operation: Disable</small>	
<input type="button" value="Save & Login"/> <input type="button" value="Save"/> <input type="button" value="Cancel"/>	

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.
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;"> <div style="margin-right: 10px;">Language</div> <div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #e0e0e0; padding: 2px;">English ▾</div> <div style="padding: 2px;">English</div> <div style="padding: 2px;">Simple Chinese</div> <div style="padding: 2px;">Turkish</div> <div style="padding: 2px;">Traditional Chinese</div> </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;"> <div style="margin-right: 10px;">Privilege</div> <div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #e0e0e0; padding: 2px;">Normal User ▾</div> <div style="padding: 2px;">Administrator</div> <div style="padding: 2px;">Super User</div> <div style="padding: 2px;">Normal User</div> <div style="padding: 2px;">guest</div> </div> </div>

Below shows an example:

Admin

Admin Name	E-Mail	Language	Privilege	Delete
admin		English	Administrator	
carrie	carrie_ni@draytek.com	English	Normal User	✕
david	david@hotmail.com	Simple Chinese	guest	✕

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 eight services can be monitored under Smart Monitor. However, administrators with different privileges will have different authority to view, delete the records or make DB 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, Telnet, P2P, Webdown, Stock	FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, Stock	1	
Super User		FTP, HTTP, Telnet, P2P, Webdown, Stock	FTP, HTTP, Telnet, P2P, Webdown, Stock	0	
Normal User		FTP, HTTP, Telnet, P2P, Webdown, Stock	FTP, HTTP, Telnet, P2P, Webdown, Stock	1	

Add a New Privilege Type

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

New Privilege Type

Type:

Description:

	FTP	Mail	HTTP	IM	Telnet	P2P	Webdown	Stock
View Access	<input checked="" type="checkbox"/>							
Delete Access	<input checked="" type="checkbox"/>							

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, Telnet, P2P, Webdown, Stock	FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, Stock	1	
Super User		FTP, HTTP, Telnet, P2P, Webdown, Stock	FTP, HTTP, Telnet, P2P, Webdown, Stock	0	
Normal User		FTP, HTTP, Telnet, P2P, Webdown, Stock	FTP, HTTP, Telnet, P2P, Webdown, Stock	1	
viewonly	view all records	FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, Stock	FTP, Mail, HTTP, IM, Telnet, P2P, Webdown, Stock	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	Telnet	P2P	Webdown	Stock
View Access	<input checked="" type="checkbox"/>							
Delete Access	<input checked="" type="checkbox"/>							
Members (0)								

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	<input type="text" value="0.0.0.0"/>	Need authentication	<input type="checkbox"/>
Port	<input type="text" value="25"/>	Username	<input type="text"/>
Mail Box	<input type="text"/>	Password	<input type="password" value="*****"/>

Admin Login Control

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

Recording

FTP
 Mail
 HTTP
 IM
 Telnet
 P2P
 Webdown
 Stock

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

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

WebDown file type

Administration

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

Session Timeout Min. Allow login anonymously

Interface

	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>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>Port – Type the port number of the specified SMTP server above.</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>Mailbox – Type the e-mail address for the SMTP Server.</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	<p>You can check or uncheck these eight services respectively to be 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</p>

	<p>attached file can be restricted in this box.</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="678 728 1244 1086" data-label="Image"> <p>The screenshot shows the DrayTek Smart Monitor login interface. At the top, there is a red header with the DrayTek logo and 'Smart Monitor' text. Below the header is a black bar with the word 'Login' in white. The main content area is white and contains two input fields: 'Username' and 'Password'. To the right of the Password field is a purple link that says 'Forget password?'. Below the input fields are two buttons: a yellow 'Guest Login' button and a blue 'Login' button.</p> </div> <p>If you uncheck this box, no one but the administrator can access into Smart Monitor.</p> <div data-bbox="678 1220 1244 1579" data-label="Image"> <p>This screenshot shows the same DrayTek Smart Monitor login interface as above, but with the 'Guest Login' button removed. Only the 'Login' button remains below the password field.</p> </div>
	<p>Interface - Use the drop down list to choose the interface for Smart Monitor.</p> <p>Save - Save the settings.</p>

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
Telnet				P2P			
Search Name	Description	Delete	Search	Search Name	Description	Delete	Search
Webdown				Stock			
Search Name	Description	Delete	Search	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

Type Selection	There are eight types that you can specify for searching job, including FTP, HTTP, Telnet, Webdown, Mail, IM, P2P and Stock.
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;"> <p>Any <input type="button" value="v"/></p> <p>Any</p> <p>Upload</p> <p>Download</p> </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.

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. <input type="text"/> <input type="button" value="Browse"/> Click Restore to upload the file.
Backup	Click Backup to download current running configurations as a file. <input type="button" value="Backup"/>

3.1.6 Event Log

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

Event Log



<< 1 2 3 >> 22 pcs/3 Pages					Latest 20 days 2010-12-15(Wed)
Log Time	Admin Name	Log IP	Level	Message	
<input type="checkbox"/> 2010-12-15 13:19:10	admin	172.16.3.148	System	[Login] Success	
<input type="checkbox"/> 2010-12-15 10:06:07	admin	172.16.3.148	System	[Login] Success	
<input type="checkbox"/> 2010-12-15 10:06:03	admin	172.16.3.148	System	[Logout] Success	
<input type="checkbox"/> 2010-12-15 09:32:28	admin	172.16.3.148	System	[Login] Success	
<input type="checkbox"/> 2010-12-15 09:32:23	guest	172.16.3.148	System	[Logout] Success	
<input type="checkbox"/> 2010-12-15 09:21:11	guest	172.16.3.148	System	[Login] Success	
<input type="checkbox"/> 2010-12-15 09:21:10	guest	172.16.3.148	System	[Login] Success	
<input type="checkbox"/> 2010-12-15 09:21:09	admin	172.16.3.148	System	[Logout] Success	
<input type="checkbox"/> 2010-12-15 09:21:05	admin	172.16.3.148	Setting	[MOD] guestallow=1	
<input type="checkbox"/> 2010-12-15 09:21:00	admin	172.16.3.148	System	[Login] Success	

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	Print this page

Searching Record

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

Event Log



22 pcs/3 Pages Latest 20 days Search Mode

Log Time	Admin Name	Log IP	Level	Message
<input type="checkbox"/> 2010-12-15 13:19:10	admin	172.16.3.148	System	[Login] Success
<input type="checkbox"/> 2010-12-15 10:06:07	admin	172.16.3.148	System	[Login] Success
<input type="checkbox"/> 2010-12-15 10:06:03	admin	172.16.3.148	System	[Logout] Success
<input type="checkbox"/> 2010-12-15 09:32:28	admin	172.16.3.148	System	[Login] Success
<input type="checkbox"/> 2010-12-15 09:32:23	guest	172.16.3.148	System	[Logout] Success
<input type="checkbox"/> 2010-12-15 09:21:11	guest	172.16.3.148	System	[Login] Success
<input type="checkbox"/> 2010-12-15 09:21:10	guest	172.16.3.148	System	[Login] Success
<input type="checkbox"/> 2010-12-15 09:21:09	admin	172.16.3.148	System	[Logout] Success
<input type="checkbox"/> 2010-12-15 09:21:05	admin	172.16.3.148	Setting	[MOD] guestallow=1
<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

Admin Name:	Choose the name for searching the records under it.
	Admin Name <input type="text"/> <input type="text" value="Any"/> <input type="text" value="guest"/> <input type="text" value="admin"/>
Log IP	Type the IP address for searching the records under it.
Level	Choose the level for searching the records based on it.
	Level <input type="text"/> <input type="text" value="Any"/> <input type="text" value="User List"/> <input type="text" value="System"/> <input type="text" value="Setting"/> <input type="text" value="Privilege"/> <input type="text" value="Group/Department"/> <input type="text" value="Admin"/>
Message	Type the message for searching the records with 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 <input type="text"/>	Log IP <input type="text" value="172.16.3.102"/>	Message <input type="text"/>		
Level <input type="text"/>	<input type="checkbox"/> From <input type="text" value="2010-12-15"/>	To <input type="text" value="2010-12-15"/>	<input type="button" value="Search"/>	

The searching result will be shown as follows:

Event Log



5 pcs/1 Pages Latest 20 days Search Mode

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: Any Log IP: 172.16.3.102 Message:

Level: Any From: 2010-12-27 To: 2010-12-27 Search

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
Physical Memory	15%	3.32 GB	586.23 MB
- 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
/	ext4	/dev/sda5	0%
			Free
			Used
			Size
/dev	devtmpfs	none	0% (1%)
			1.94 GB
/dev/shm	tmpfs	none	0% (1%)
			1.95 GB
/var/lock	tmpfs	none	0% (1%)
			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	47	

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"/>
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"/> Telnet <input checked="" type="checkbox"/> P2P <input checked="" type="checkbox"/> Webdown <input checked="" type="checkbox"/> Stock
	Add new Members
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

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:	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>The screenshot shows a window titled "Add new Members" with a list of IP addresses and a "carie-pc*" entry. Each entry has a checkbox next to it. At the bottom of the window, there are "Save" and "Cancel" buttons.</p>
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	48	

3.2.2 User List

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

User List 

48 pcs/5 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"/>	192.168.1.53*	carrie-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"/>	172.16.2.17		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7	<input checked="" type="checkbox"/>	172.16.2.18		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8	<input checked="" type="checkbox"/>	172.16.2.19		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9	<input checked="" type="checkbox"/>	172.16.2.65		Others	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10	<input checked="" type="checkbox"/>	172.16.2.76		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.

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

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 .												
	<div style="display: flex; align-items: center;"> Group <div style="border: 1px solid black; padding: 2px;"> Others ▾ Others office-1 </div> </div>												
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.												
	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> 48 pages <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #f4a460;"> <th>IP</th> <th>User Name</th> <th>Group</th> <th>Emphasize</th> </tr> </thead> <tbody> <tr> <td>192.168.1.53*</td> <td>carle-pc</td> <td>Others ▾</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>172.16.0.100</td> <td></td> <td>Others ▾</td> <td><input type="checkbox"/></td> </tr> </tbody> </table> </div>	IP	User Name	Group	Emphasize	192.168.1.53*	carle-pc	Others ▾	<input checked="" type="checkbox"/>	172.16.0.100		Others ▾	<input type="checkbox"/>
IP	User Name	Group	Emphasize										
192.168.1.53*	carle-pc	Others ▾	<input checked="" type="checkbox"/>										
172.16.0.100		Others ▾	<input type="checkbox"/>										
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.

Tree View

Group/Department

- [-] office-1 (0)
- [-] Others (48)

- i**
- 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 (48)						
No.1	<input checked="" type="checkbox"/>	Recording	172.16.0.193		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.2	<input checked="" type="checkbox"/>	Recording	172.16.1.238		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.3	<input checked="" type="checkbox"/>	Recording	172.16.2.101		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.4	<input checked="" type="checkbox"/>	Recording	172.16.2.102		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.5	<input checked="" type="checkbox"/>	Recording	172.16.2.106		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.6	<input checked="" type="checkbox"/>	Recording	172.16.2.11		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.7	<input checked="" type="checkbox"/>	Recording	172.16.2.120		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.8	<input checked="" type="checkbox"/>	Recording	172.16.2.128		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.9	<input checked="" type="checkbox"/>	Recording	172.16.2.129		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.10	<input checked="" type="checkbox"/>	Recording	172.16.2.132		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
No.11	<input checked="" type="checkbox"/>	Recording	172.16.2.133		Others	<input type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN

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 (1)						
No.1	<input checked="" type="checkbox"/>	Recording	192.168.1.53*	carie-pc	office-1	<input checked="" type="checkbox"/> Emphasize <input checked="" type="checkbox"/> LAN-to-LAN
Others (47)						

- i**
- 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.

Service Analysis
FTP
Mail
HTTP
IM
Telnet
P2P
Webdown
Stock
Top 10

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
2010-12-27 11:43:33	172.16.3.81	↓	172.16.3.141	testuser	*****	v2710_a_336.rst	5.03 MB
2010-12-27 11:26:03	172.16.3.81	↓	172.16.3.141	testuser	*****	v2710_b_336.rst	5.04 MB
2010-12-27 09:56:49	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-telnet.JPG	53.01 KB
2010-12-27 09:56:49	172.16.3.180	↓	172.16.3.141	testuser	*****	Thumbs.db	18.50 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn.bt	25.98 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-1.bt	28.63 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-2-OK.JPG	68.78 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-OK.JPG	18.48 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-WEB.JPG	103.32 KB
2010-12-27 09:56:45	172.16.3.180	↓	172.16.3.141	testuser	*****	2110Vn-F2-WEB-2.JPG	119.64 KB

Date/Time:	Display the date and time of the job of file uploading or downloading.
User Name/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. (建議: 如果 Administrator 也無法看到密碼的話, 那這個欄位其實是可以不必列出來的)
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	Print this page

Searching Record

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

FTP 🔍 📄 🔄 🗑️ 📧 🖨️

🏠 1 🏠 0 pcs/1 Pages Latest 20 days Search Mode ▾

Date/Time	User Name/IP	Dir	Host	Login ID	Password	File Name	Size
User <input type="text"/> File <input type="text"/> Host <input type="text"/> Dir Any ▾ Size <input type="text"/> <input type="text"/> KB ▾ <input type="checkbox"/> From 2010-12-16 To 2010-12-16 <input type="button" value="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:	Choose the direction (uploading file or download file) for the file that you want to search.
	Dir Any ▾ <div style="border: 1px solid black; padding: 2px;"> Any Upload Download </div>
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	18.48 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 🔍 📄 🔄 🗑️ 📧 🖨️

🏠 1 🏠 3 pcs/1 Pages Latest 20 days Search Mode ▾

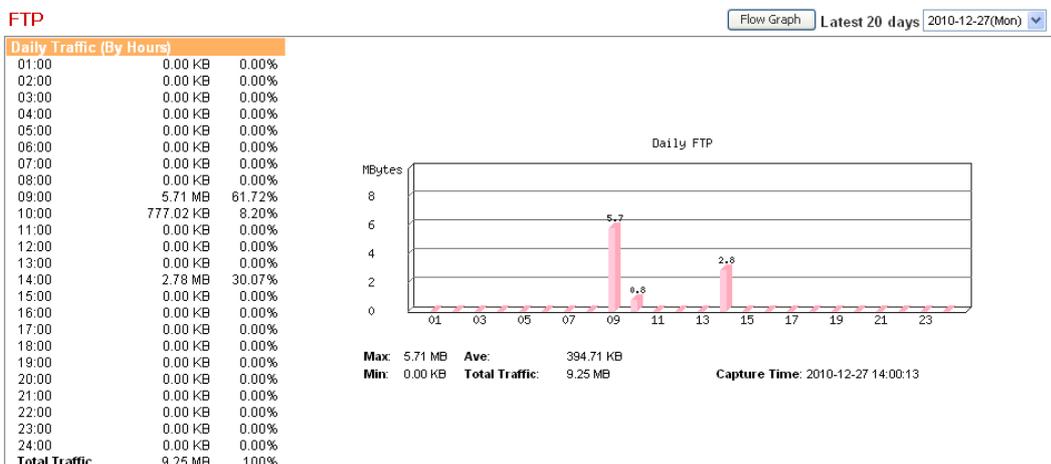
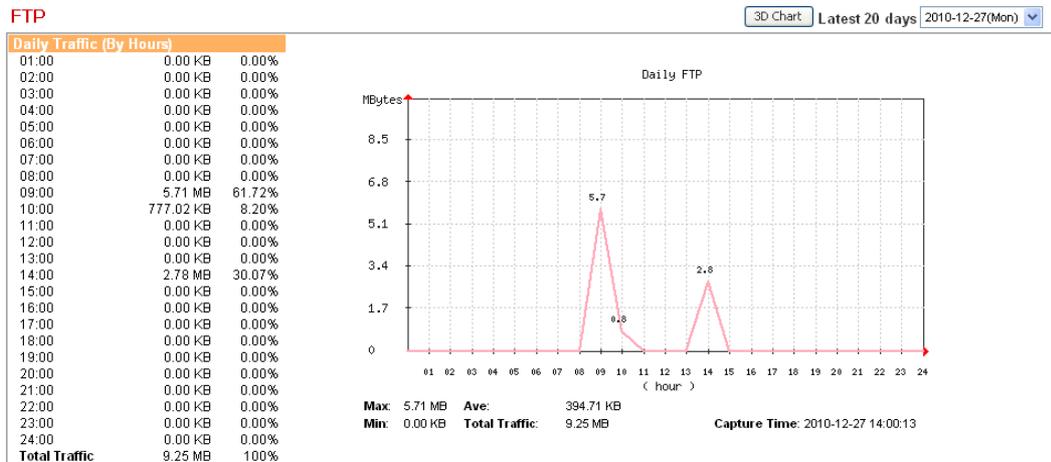
Date/Time	User Name/IP	Dir	Host	Login ID	Password	File Name	Size
<input type="checkbox"/>	2010-12-27 09:15:14	↑	219.84.203.49	MFT	*****	Taiwan.pdf	283.08 KB
<input type="checkbox"/>	2010-12-24 16:11:20	↑	219.84.203.49	MFT	*****	Vigor2710e_A&B_GP-包管V07.pdf	75.86 KB
<input type="checkbox"/>	2010-12-24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

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.

MAIL       

Date/Time	User Name/IP	Sender	Recipient	Subject	Size
<input type="checkbox"/> 2010-12-27 14:30:08	172.16.3.81	alice_huang@draytek.com	ichen@draytek.com	Re: 泰國最有名的媒體, 類似聯強的通路都刊登在此, Transition ...	0.56 KB
<input type="checkbox"/> 2010-12-27 14:07:26	172.16.3.81	tiptop@draytek.com	info-Shipment@draytek.com	交期修改變更通知(2010/12/27)	0.25 KB
<input type="checkbox"/> 2010-12-27 14:01:21	172.16.3.81	webmaster@plan-on-line.com	info@draytek.com.tw	? OSMOPROF 2011 擇 ? 錄 ? 墊解?? ? ? ? 糖 ?	28.14 KB
<input type="checkbox"/> 2010-12-27 13:49:41	172.16.3.81	stephen_li@draytek.com	jtzu@draytek.com ...	Re: Fwd: Vigor2850 WAN1 and WAN2 Definition.	24.35 KB +5.85 MB
<input type="checkbox"/> 2010-12-27 13:38:32	172.16.3.81	market@digilimes.com	sales@draytek.com	? 箭?? 哈?? 神 (2010/12/27) 曝 歐餅絲線刻?? 亦? 癩脫?..	102.56 KB
<input type="checkbox"/> 2010-12-27 13:05:30	172.16.3.81	ichen@draytek.com	sandra_chiu@draytek.com ...	Re: 99 年 12 月 27 日 重要新聞 (7 則)	8.12 KB
<input type="checkbox"/> 2010-12-27 12:45:02	172.16.3.81	service@managertoday.com.tw	info@draytek.com.tw	**SPAM** 2011 播?? 1,12? 互 ? ? ? ? ? 株?? ?..	1.37 KB
<input type="checkbox"/> 2010-12-27 12:19:39	172.16.3.81	chaochen@draytek.com	lwiz@draytek.com ...	Re: Fw: [Ticket#2010122410004767] Urgent please Error ...	8.13 KB
<input type="checkbox"/> 2010-12-27 11:56:27	172.16.3.81	operations@tpgi.org	info@draytek.com.tw	Strategic Project Management for Telecommunication Industry ...	5.05 KB
<input type="checkbox"/> 2010-12-27 11:52:43	172.16.3.81	amy_wu@draytek.com	dfan@draytek.com	聯捷RMA 001-0C0021.	0.20 KB

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 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	Print this page

Searching Record

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

MAIL    

1 2 3 4 5 6 7 8 9 10 ▶▶ 147 pcs/15 Pages Latest 20 days Search Mod

Date/Time	User Name/IP	Sender	Recipient	Subject
<input type="checkbox"/> 2010-12-27 14:30:08	172.16.3.81	alice_huang@draytek.com	ichen@draytek.com	Re: 泰國最有名的媒體, 類似聯強的通路都刊登在此, Transition ...
<input type="checkbox"/> 2010-12-27 14:07:26	172.16.3.81	tiptop@draytek.com	info-Shipment@draytek.com	艾期修改變更通知(2010/12/27)
<input type="checkbox"/> 2010-12-27 14:01:21	172.16.3.81	webmaster@plan-on-line.com	info@draytek.com.tw	? OSMOPROF 2011 揮 ? 錄 ? 擊解?? ?? ? 替 ? ??...
<input type="checkbox"/> 2010-12-27 13:49:41	172.16.3.81	stephen_li@draytek.com	jit@draytek.com ...	Re: Fwd: Vigor2850 WAN1 and WAN2 Definition.
<input type="checkbox"/> 2010-12-27 13:38:32	172.16.3.81	market@digilimes.com	sales@draytek.com	? 窗?? 崎?? 神 (2010/12/27) 曝 職群絲毫刻?? 亦? 癩脫?...
<input type="checkbox"/> 2010-12-27 13:05:30	172.16.3.81	ichen@draytek.com	sandra_chiu@draytek.com ...	Re: 99年12月27日重要新聞(7則)
<input type="checkbox"/> 2010-12-27 12:45:02	172.16.3.81	service@managertoday.com.tw	info@draytek.com.tw	**SPAM** 2011播??1,12? 互 ? ? ?? ? 株?? ?...
<input type="checkbox"/> 2010-12-27 12:19:39	172.16.3.81	chaochen@draytek.com	wiz@draytek.com ...	Re: Fw: [Ticket#2010122410004767] Urgent please Error ...
<input type="checkbox"/> 2010-12-27 11:56:27	172.16.3.81	operations@pgi.org	info@draytek.com.tw	Strategic Project Management for Telecommunication Industry ...
<input type="checkbox"/> 2010-12-27 11:52:43	172.16.3.81	amy_wu@draytek.com	dfan@draytek.com	聯恆RMA 001-0C0021.

User Sender Recipient Subject

Attach From 2010-12-27 To 2010-12-27 Server Search

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.
	Attach <input type="text"/> <input type="text"/> <ul style="list-style-type: none"> Any Attached Non-Attached
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.
	Server <input type="text"/> <input type="text"/> <ul style="list-style-type: none"> Any SMTP POP3
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**.

2010-12-27 11:56:27 172.16.3.81 operations@pgi.org info@draytek.com.tw Strategic Project Management for Telecommunication industry ... 5.05 KE

2010-12-27 11:52:43 172.16.3.81 amy_wu@draytek.com dfan@draytek.com 聯恆RMA 001-0C0021. 0.20 KE

User Sender Recipient Subject

Attach From 2010-12-27 To 2010-12-27 Server Search

The searching result will be shown as follows:

MAIL 🔍 🗑️ 🔄 🗑️ 🗑️ 🗑️ 🗑️

45 pcs/5 Pages Latest 20 days Search Mode

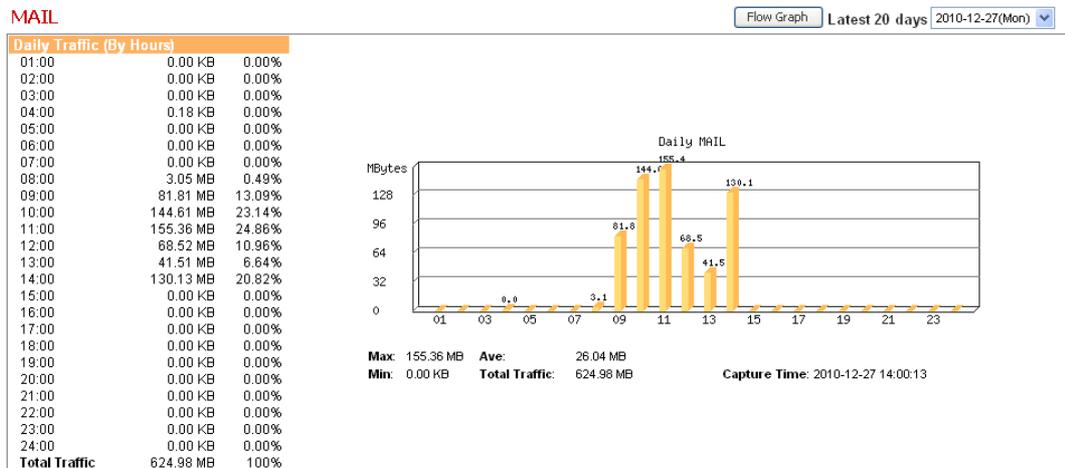
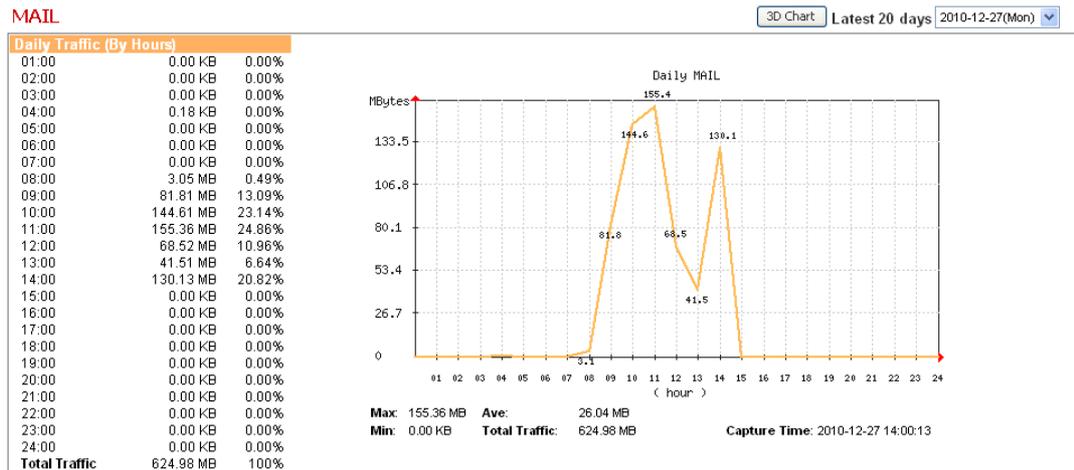
Date/Time	User Name/IP	Sender	Recipient	Subject	Size
2010-12-27 10:57:56	172.16.3.162	grace_512@pchome.com.tw	alexw@tw.kingbright.com	Re: 意見調查	0.01 KB
2010-12-27 10:52:34	172.16.3.162	alexw@tw.kingbright.com	grace_512@pchome.com.tw	回覆: Re: Re: 回覆	0.06 KB
2010-12-27 10:52:29	172.16.3.162	grace_512@pchome.com.tw	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: 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.

3.3.3 HTTP

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

HTTP      

Date/Time	User Name/IP	WebSite	URL Number
<input type="checkbox"/> 2010-12-27 14:57:53	172.16.3.81	row.bc.yahoo.com	50
<input type="checkbox"/> 2010-12-27 14:57:52	172.16.3.81	cmx.tw.yahoo.overture.com	54
<input type="checkbox"/> 2010-12-27 14:57:52	172.16.3.81	tw.linkspot.search.yahoo.com	69
<input type="checkbox"/> 2010-12-27 14:57:51	172.16.3.162	www.sawh.org.tw	64
<input type="checkbox"/> 2010-12-27 14:57:51	172.16.3.202	172.16.3.19	363
<input type="checkbox"/> 2010-12-27 14:57:51	172.16.3.81	tw.dictionary.yahoo.com	55
<input type="checkbox"/> 2010-12-27 14:57:50	172.16.3.176	tw.search.bid.yahoo.com	32
<input type="checkbox"/> 2010-12-27 14:57:50	172.16.3.81	sugg.tw.search.yahoo.net	285
<input type="checkbox"/> 2010-12-27 14:57:42	172.16.3.112	dnl-03.geo.kaspersky.com	2
<input type="checkbox"/> 2010-12-27 14:57:42	172.16.3.180	172.16.2.19	302

Date/Time:	Display the date and time for the users who visits the website.
User Name/IP:	Display the name of the user who uses the HTTP service.
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	Print this page

Searching Record

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

HTTP       

◀◀ 4 5 6 7 8 9 10 11 12 13 ▶▶		2140 pcs/214 Pages	Latest 20 days	Search Mode
Date/Time	User Name/IP	WebSite	URL Number	
<input type="checkbox"/> 2010-12-27 14:53:58	172.16.3.81	tpc.google syndication.com	2	
<input type="checkbox"/> 2010-12-27 14:53:58	172.16.3.81	widgets.fbshare.me	9	
<input type="checkbox"/> 2010-12-27 14:53:56	172.16.3.81	widget.testfreaks.com	4	
<input type="checkbox"/> 2010-12-27 14:53:46	172.16.3.179	www.ig.gmodules.com	1	
<input type="checkbox"/> 2010-12-27 14:53:34	172.16.3.81	www.gravatar.com	11	
<input type="checkbox"/> 2010-12-27 14:53:33	172.16.3.179	t1.gstatic.com	6	
<input type="checkbox"/> 2010-12-27 14:53:31	172.16.3.179	t0.gstatic.com	4	
<input type="checkbox"/> 2010-12-27 14:53:31	172.16.3.179	t2.gstatic.com	3	
<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 2010-12-27 To 2010-12-27

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.
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	t2.gstatic.com	3
<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 2010-12-27 To 2010-12-27

The searching result will be shown as follows:

HTTP 🔍 📄 🔄 🗑️ 🌐 🖨️

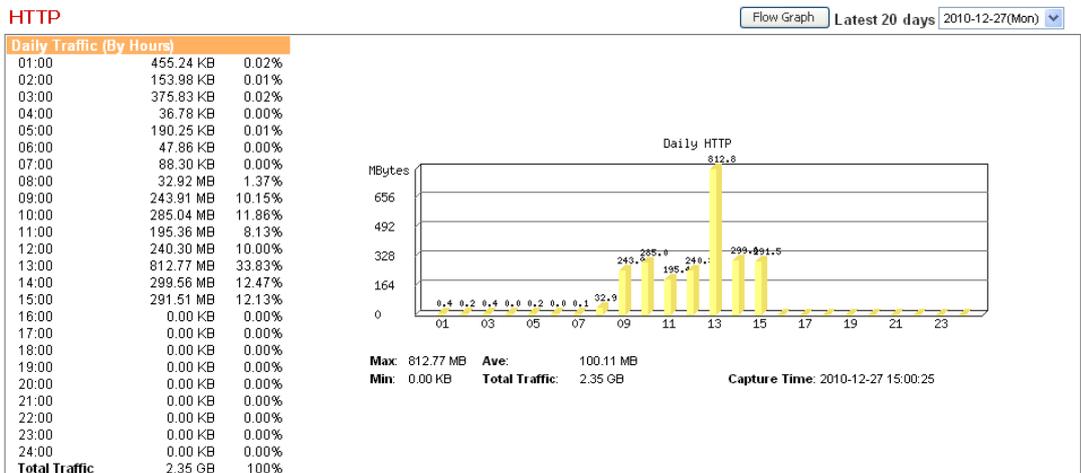
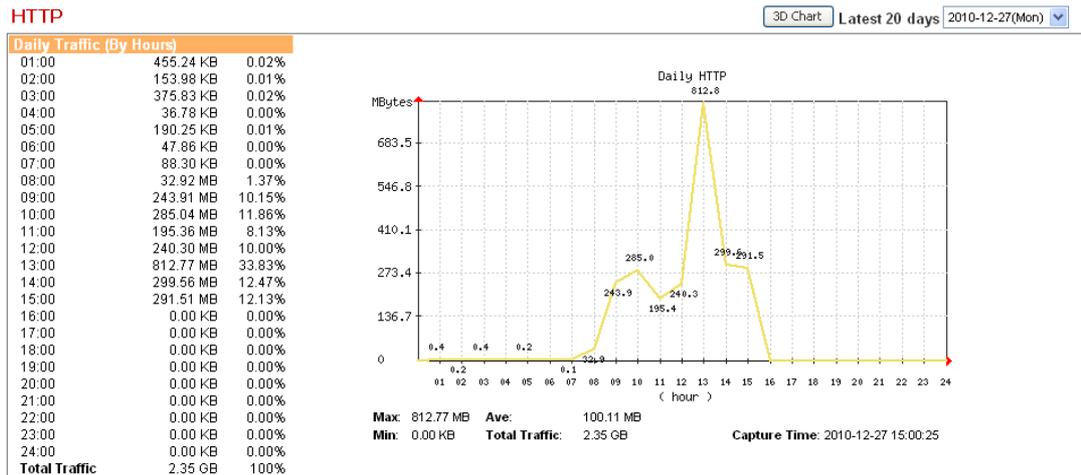
459 pcs/46 Pages Latest 20 days Search Mode

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

User: 172.16.3.179 WebSite/Content: From: 2010-12-27 To: 2010-12-27 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.

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_lily@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	cathdraytek@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	cathdraytek@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 

Duration Time:	Display the starting and ending time for this session.
UserName/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	Print this page

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	nyanliny@hotmail.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	nywii@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	cathdraytek@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	cathdraytek@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 To

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.)	172.16.3.236	cm@ms71.url.com.tw	jln_koo2903@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:

IM 🔍 📄 🗑️ 🔄 📧 🖨️

◀ 1 ▶▶ 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	chui0205b@hotmail.com	1
<input type="checkbox"/> 2010-12-24 10:29:30 -- 2010-12-24 18:03:10 (453.66 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

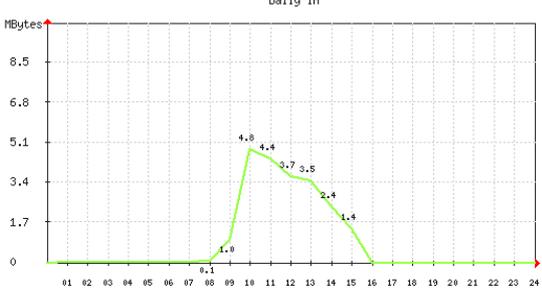
User User Account PeerAccount
 Type From To

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.

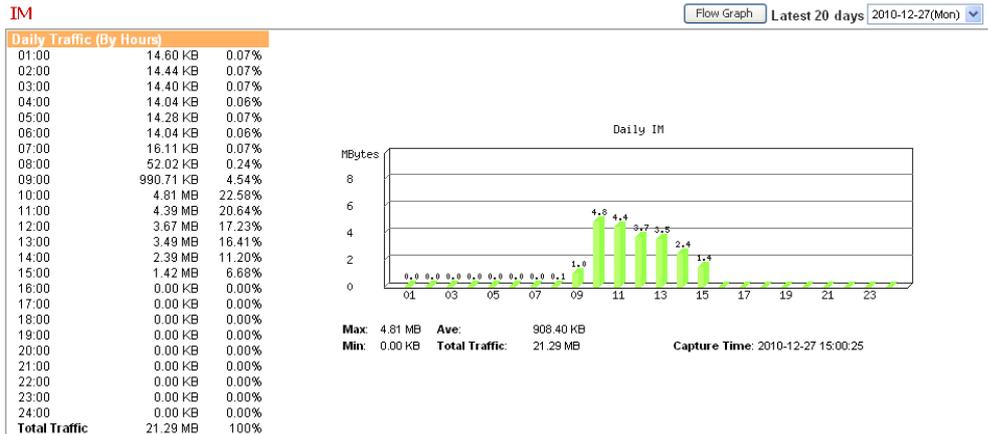
IM 3D Chart Latest 20 days 2010-12-27(Mon)

Daily Traffic (By Hours)		
01:00	14.60 KB	0.07%
02:00	14.44 KB	0.07%
03:00	14.40 KB	0.07%
04:00	14.04 KB	0.06%
05:00	14.28 KB	0.07%
06:00	14.04 KB	0.06%
07:00	16.11 KB	0.07%
08:00	52.02 KB	0.24%
09:00	990.71 KB	4.54%
10:00	4.81 MB	22.58%
11:00	4.39 MB	20.64%
12:00	3.67 MB	17.23%
13:00	3.49 MB	16.41%
14:00	2.39 MB	11.20%
15:00	1.42 MB	6.68%
16:00	0.00 KB	0.00%
17:00	0.00 KB	0.00%
18:00	0.00 KB	0.00%
19:00	0.00 KB	0.00%
20:00	0.00 KB	0.00%
21:00	0.00 KB	0.00%
22:00	0.00 KB	0.00%
23:00	0.00 KB	0.00%
24:00	0.00 KB	0.00%
Total Traffic	21.29 MB	100%



Daily IM

Max: 4.81 MB Ave: 908.40 KB
 Min: 0.00 KB Total Traffic: 21.29 MB
 Capture Time: 2010-12-27 15:00:25



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.

3.3.5 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.

TELNET

Start Time	User Name/IP	WebSite	Content
2010-12-27 15:15:42	172.16.3.179	172.16.3.20	
2010-12-27 15:10:58	172.16.3.181	172.16.3.20	
2010-12-27 15:02:05	172.16.3.181	172.16.3.20	
2010-12-27 14:53:55	172.16.3.176	172.16.3.20	
2010-12-27 14:49:01	172.16.3.178	172.16.3.20	
2010-12-27 14:48:42	172.16.3.178	172.16.3.20	
2010-12-27 14:47:06	172.16.3.177	172.16.3.20	
2010-12-27 14:39:41	172.16.3.176	172.16.3.20	
2010-12-27 14:39:26	172.16.3.176	172.16.3.20	
2010-12-27 14:37:25	172.16.3.117	172.16.3.20	

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.

```

? INFO: 4st for Interface Level = /ul/topprod/tiptop/config/4st/tiptop.4st
INFO: 4st for Interface Level = /ul/topprod/tiptop/config/4st/tiptop.4st
INFO: 4st for Interface Level = /ul/topprod/tiptop/config/4st/tiptop.4st
INFO: 4ad for Interface Level = /ul/topprod/tiptop/config/4ad/0/tiptop.4ad
INFO: 4ad for Form Level = /ul/topprod/topcust/config/4ad/0/cst/asfi301.4ad
INFO: 4tm for Interface Level = /ul/topprod/tiptop/config/4tm/topmemu_1.4tm
INFO: 4tb for Interface Level = /ul/topprod/tiptop/config/4tb/toolbar_1.4tb
INFO: Locale feature use 0.54000 seconds.
cl_create_qry: Final sql =
SELECT 'N',sfb01,sfb13,sfb05,sfb04,sfb08,sfb081,sfb09,sfb94 FROM sfb_file
WHERE sfb01 like 'TMA-OC%' and sfb05 like '900%' ORDER BY sfb01
cl_create_qry: Final sql =
SELECT 'N',sfb01,sfb13,sfb05,sfb04,sfb08,sfb081,sfb09,sfb94 FROM sfb_file
WHERE sfb01 like 'TMA-OC%' and sfb05 like '981%' ORDER BY sfb01
    
```

```

MH n, _gHO
M# AM# _y#
dM' gMDLg' dP
$M' HDM' dPoGB
dM' VF' dMM' IM
qMDHo, $MF' $F
Q@$M' dMfo. M
M# $MF [M#, #
$F' lMM' MPMP
$M #MF [Mj$'
HDM, [M] M#HM
.$HMH} $F_m*$ $@
HP' [M' AMgF' _MF
W [M' dM# MKYMB_
$H dMF "V$ "m1
M#, $MF
MM;

教育网 bbs.fudan.edu.cn 202.120.225.9
公众网 bbs.fudan.sh.cn 61.129.42.9
上海市通信管理局ICP备案号(沪ICP备042465)
欢迎光临【日月光华】 [Add '.' after YourID to login for BIG5 ]
目前已有帐号数: [63611/100000] 目前上站人数: [4539/10000]
从 [2006年 6月20日] 起, 最高人数记录: [10407] 累计访问人次: [44261695]
请输入帐号(试用请输入'guest', 注册请输入'new'): - 欣! - 欣 c?娠: a?咯- t?嫫
h?嫫 e?吓 r?嫫
    
```

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	Print this page

Searching Record

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

TELNET       

Close Search Mode Latest 20 days searchmode

Start Time	User Name/IP	WebSite	Content
<input type="checkbox"/> 2010-12-27 15:15:42	172.16.3.179	172.16.3.20	
<input type="checkbox"/> 2010-12-27 15:10:58	172.16.3.181	172.16.3.20	
<input type="checkbox"/> 2010-12-27 15:02:05	172.16.3.181	172.16.3.20	
<input type="checkbox"/> 2010-12-27 14:53:55	172.16.3.176	172.16.3.20	
<input type="checkbox"/> 2010-12-27 14:49:01	172.16.3.178	172.16.3.20	
<input type="checkbox"/> 2010-12-27 14:48:42	172.16.3.178	172.16.3.20	
<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	
<input type="checkbox"/> 2010-12-27 14:39:26	172.16.3.176	172.16.3.20	
<input type="checkbox"/> 2010-12-27 14:37:25	172.16.3.117	172.16.3.20	

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

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 download or upload for the user, 172.16.3.223, specify the IP in the field of **User** and click **Search**.

2010-12-27 14:47:06 2010-12-27 14:39:41 2010-12-27 14:37:25

<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 WebSite From 2010-12-27 To 2010-12-27

The searching result will be shown as follows:

TELNET 🔍 📄 🔄 🗑️ 📧 🖨️

⏪ 1 ⏩ 3 pcs/1 Pages Latest 20 days Search Mode

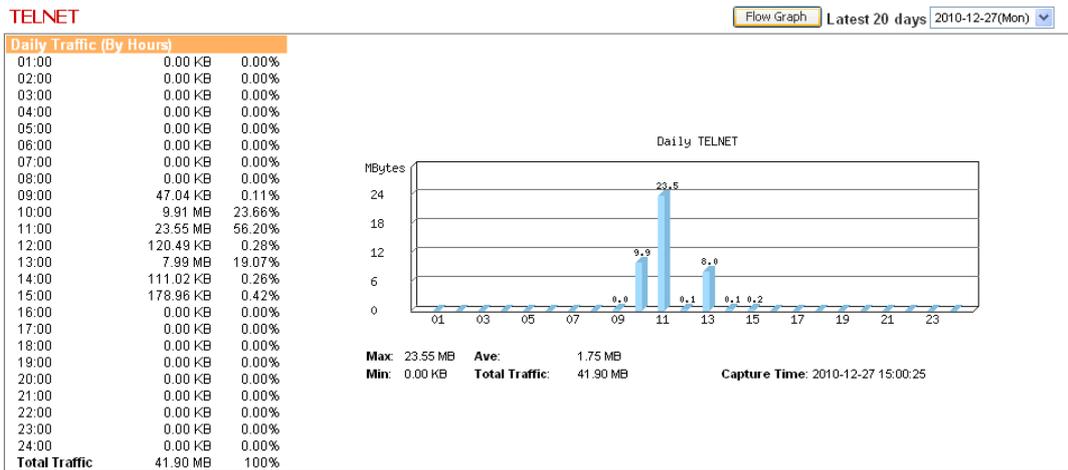
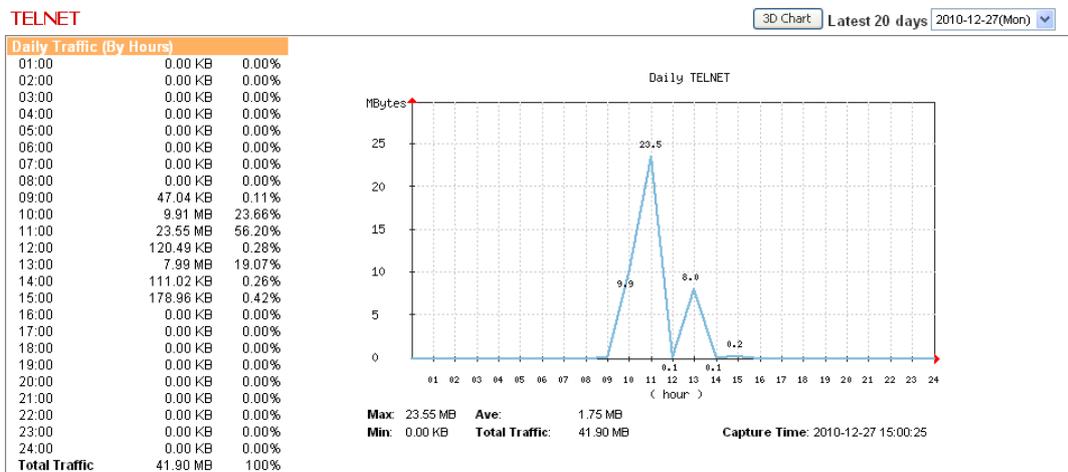
Start Time	User Name/IP	WebSite	Content
<input type="checkbox"/> 2010-12-27 09:08:04	172.16.3.223	172.16.3.20	
<input type="checkbox"/> 2010-12-27 09:06:53	172.16.3.223	172.16.3.20	
<input type="checkbox"/> 2010-12-24 09:29:29	172.16.3.223	172.16.3.20	

User WebSite From To

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

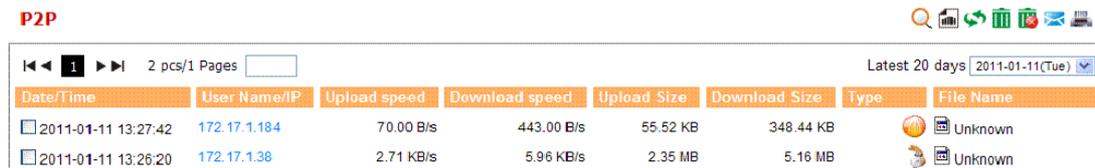
You may want to mail the records to somewhere. Simply click **Send report to your e-mail** , all the records will be sent to the e-mail box specified in SMTP filed of **System>>Setting** page.

Printing Current Page

To have a hard copy of the records, please click  **Print this page**. Current page will be printed.

3.3.6 P2P

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



The screenshot shows a web interface for P2P monitoring. At the top, there is a search bar and a toolbar with icons for search, refresh, delete, mail, and print. Below the toolbar, there is a navigation bar with a page indicator '2 pcs/1 Pages' and a date filter 'Latest 20 days 2011-01-11(Tue)'. The main content is a table with the following columns: Date/Time, User Name/IP, Upload speed, Download speed, Upload Size, Download Size, Type, and File Name. Two records are visible in the table.

Date/Time	User Name/IP	Upload speed	Download speed	Upload Size	Download Size	Type	File Name
<input type="checkbox"/> 2011-01-11 13:27:42	172.17.1.184	70.00 B/s	443.00 B/s	55.52 KB	348.44 KB		Unknown
<input type="checkbox"/> 2011-01-11 13:26:20	172.17.1.38	2.71 KB/s	5.96 KB/s	2.35 MB	5.16 MB		Unknown

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	Print this page

Searching Record

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

P2P       

0 pcs/1 Pages Latest 20 days Search Mode ▾

Date/Time	User Name/IP	Upload speed	Download speed	Upload Size	Download Size	Type	File Name
User <input type="text"/>	Type <input type="text" value="Any"/>	Upload Size <input type="text"/>	<input type="text"/>	B <input type="text"/>	File <input type="text"/>		
<input type="checkbox"/> From <input type="text" value="2010-12-16"/>	To <input type="text" value="2010-12-16"/>	Download Size <input type="text"/>	<input type="text"/>	KB <input type="text"/>	<input type="button" value="Search"/>		

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.
	<p>Type <input type="text" value="Any"/></p> <div style="border: 1px solid black; padding: 2px;"> <p>Any</p> <p>BT</p> <p>eMule</p> <p>Thunder</p> </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 IP in the field of **User** and click **Search**.

The searching result will be shown as follows:

P2P     

2 pcs/1 Pages Latest 20 days

Date/Time	User Name/IP	Upload speed	Download speed	Upload Size	Download Size	Type	File Name
<input type="checkbox"/> 2011-01-11 13:27:42	172.17.1.184	70.00 B/s	443.00 B/s	55.52 KB	348.44 KB		 Unknown

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.

3.3.7 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.

STOCK      

◀◀ 1 ▶▶ 1 pcs/1 Pages Latest 20 days 2011-01-11(Tue)

Duration Time	User Name/IP	Stock Name	Tool
<input type="checkbox"/> 2011-01-11 09:57:45 - 2011-01-11 09:58:23 (0.63 min.)	172.17.1.30	399300;300156;000979 ST 科苑	

Duration Time:	Display the time for the stock.
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	Print this page

Searching Record

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

STOCK      

◀◀ 1 ▶▶ 0 pcs/1 Pages Latest 20 days Search Mode

Duration Time	User Name/IP	Stock Name	Tool
User <input type="text"/>	Stock Name <input type="text"/>	Tool <input type="text" value="Any"/>	<input type="checkbox"/> From <input type="text" value="2010-12-16"/> To <input type="text" value="2010-12-16"/> <input type="button" value="Search"/>

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.

Example:

To search the download or upload for the user, 172.17.1.30, specify the IP in the field of **User** and click **Search**.

The searching result will be shown as follows:

STOCK     

1 pcs/1 Pages Latest 20 days 2011-01-11(Tue)

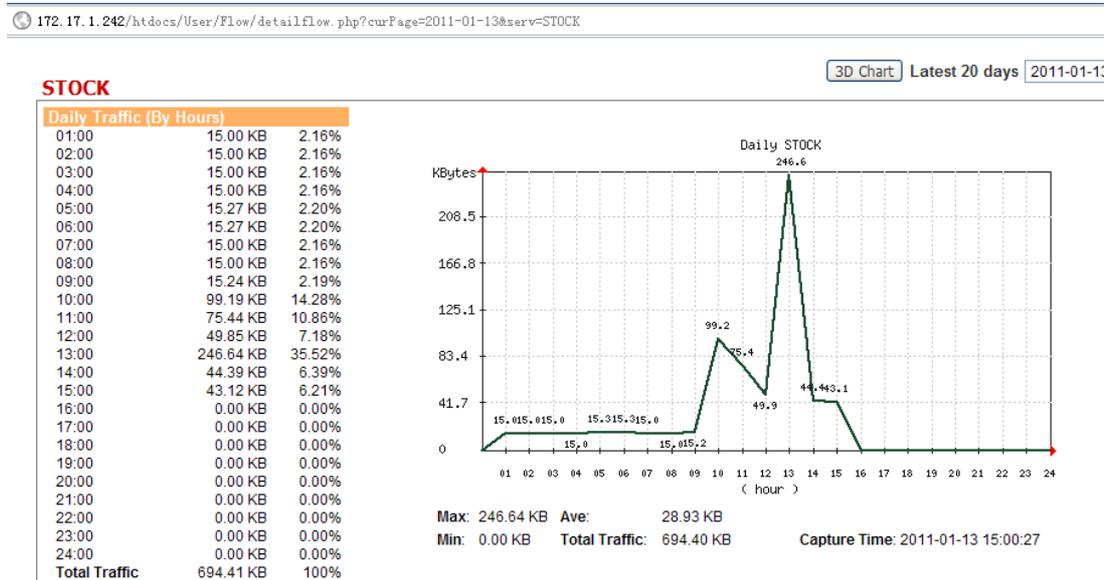
Duration Time	User Name/IP	Stock Name	Tool
2011-01-11 09:57:45 - 2011-01-11 09:58:23 (0.63 min.)	172.17.1.30	399300;300156;000979 ST 科苑	

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

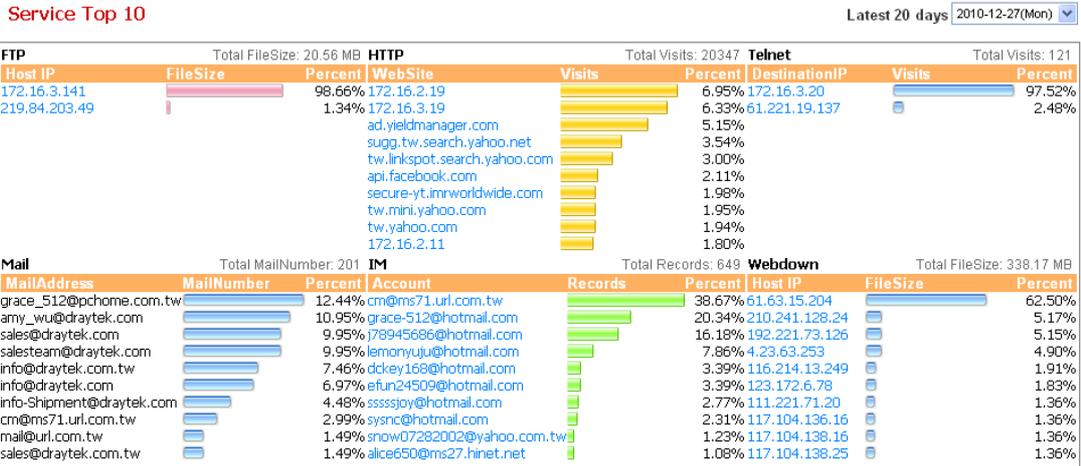
To have a hard copy of the records, please click  **Print this page**. Current page will be printed.

3.3.8 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.



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

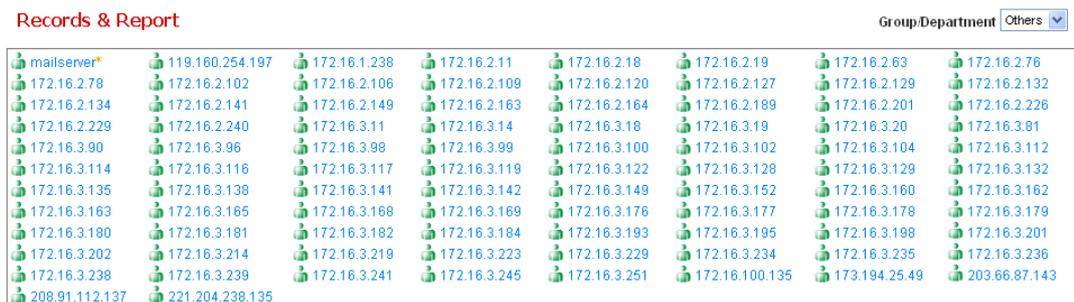
Records & Report

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.



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 user has accessed that service at that day.

Service	Count
FTP	(0)
Mail	(0)
HTTP	(90)
IM	(0)
Telnet	(2)
P2P	(0)
Webdown	(1)
Stock	(0)

From the above figure we can see there are 90 HTTP records, 2 TELNET records and 1 WEBDOWN record. Click on it to access the viewing page to check the total records of the service that user utilizes within specified time.

172.16.3.165

2 pcs/1 Pages

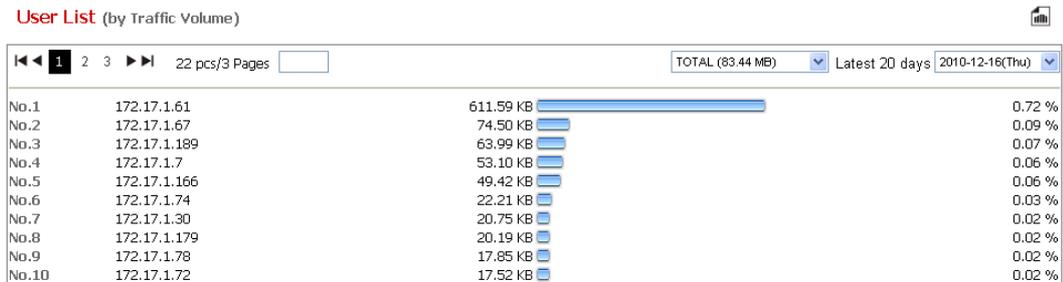
Latest 20 days 2010-12-27(Mon)

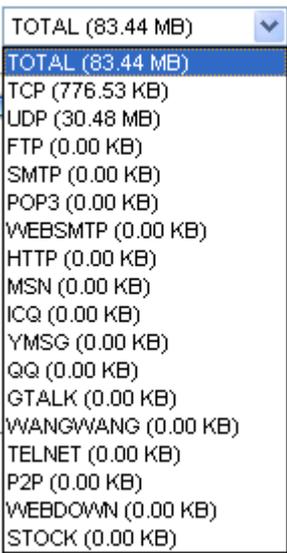
Start Time	WebSite	Content
2010-12-27 14:11:22	172.16.3.20	
2010-12-27 08:22:23	172.16.3.20	

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.



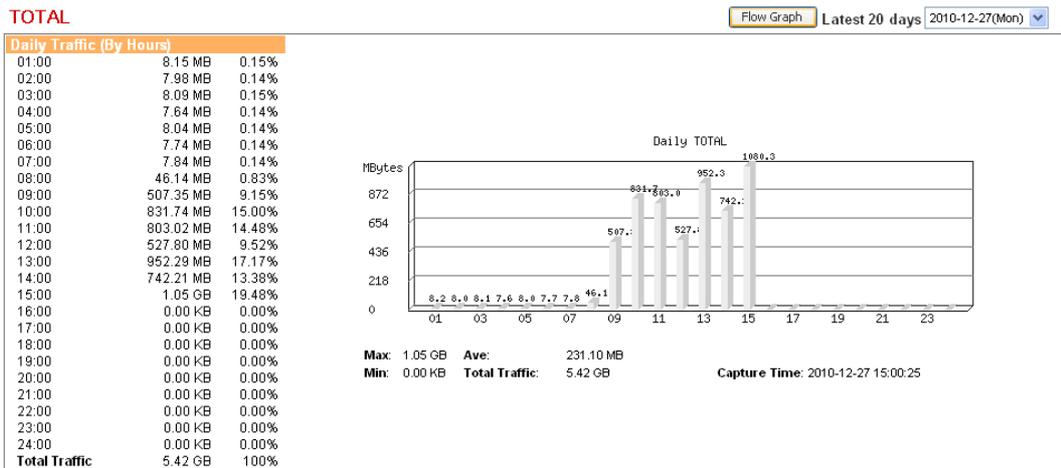
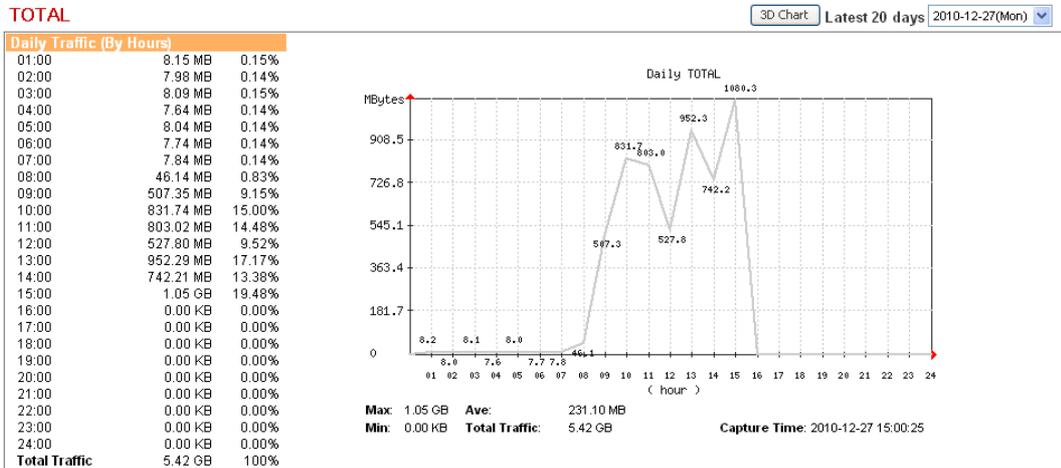
Protocol	Simply choose one of the protocols. The system will list the top 10 users who use the selected protocol for data transmission.
	
Latest 20 days	Such table can display daily traffic report. In addition, you can choose any day by using the drop-down list for viewing the monitoring report of other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

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 **TOTAL Traffic Report**



icon, the following dialog will appear.

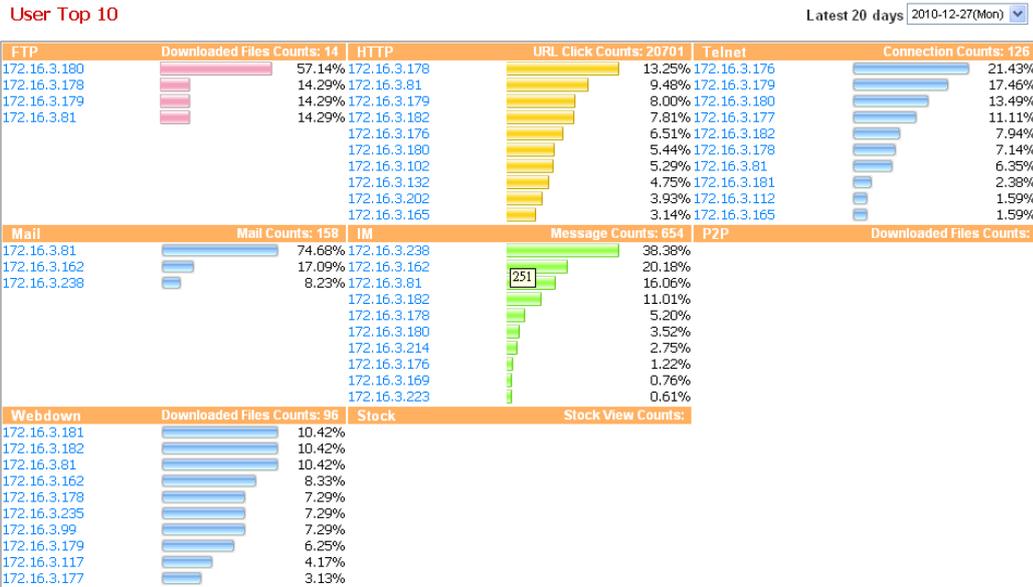


3.4.3 Top 10

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.

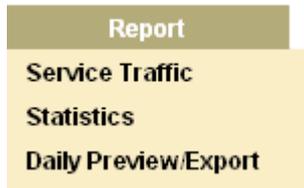


Latest 20 days

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.

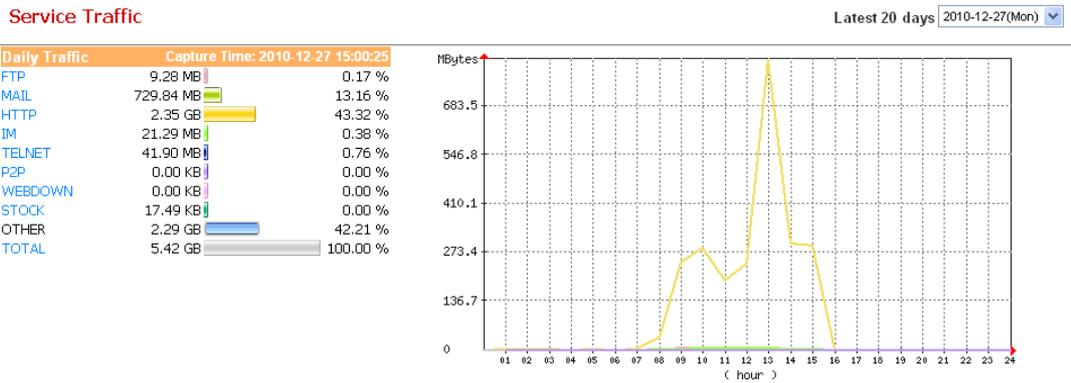
3.5 Report

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.



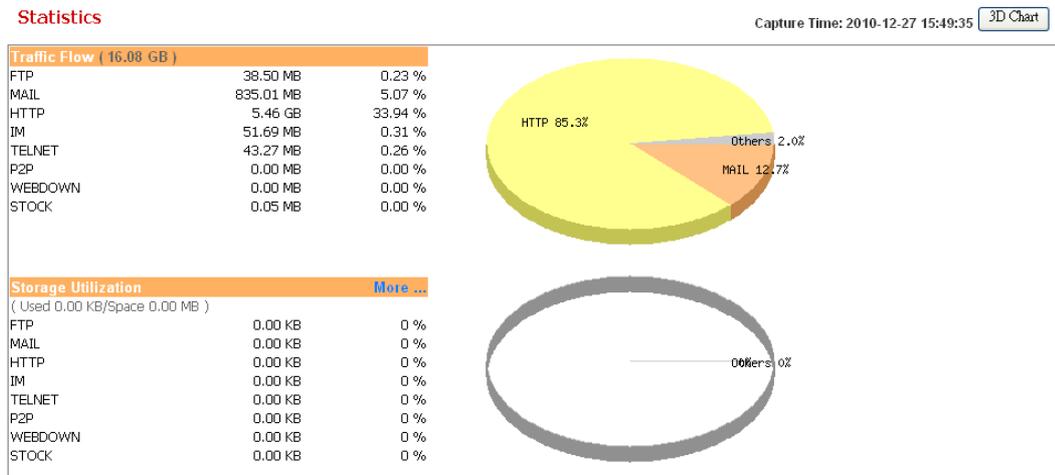
Latest 20 days

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.

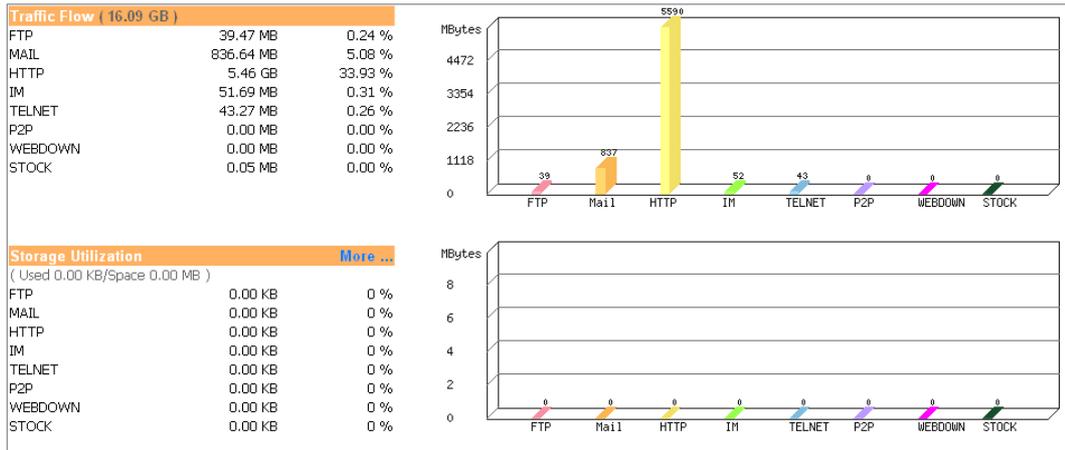
Note: Only identified and categorized traffic types will be counted and shown in the charts.



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

Statistics

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



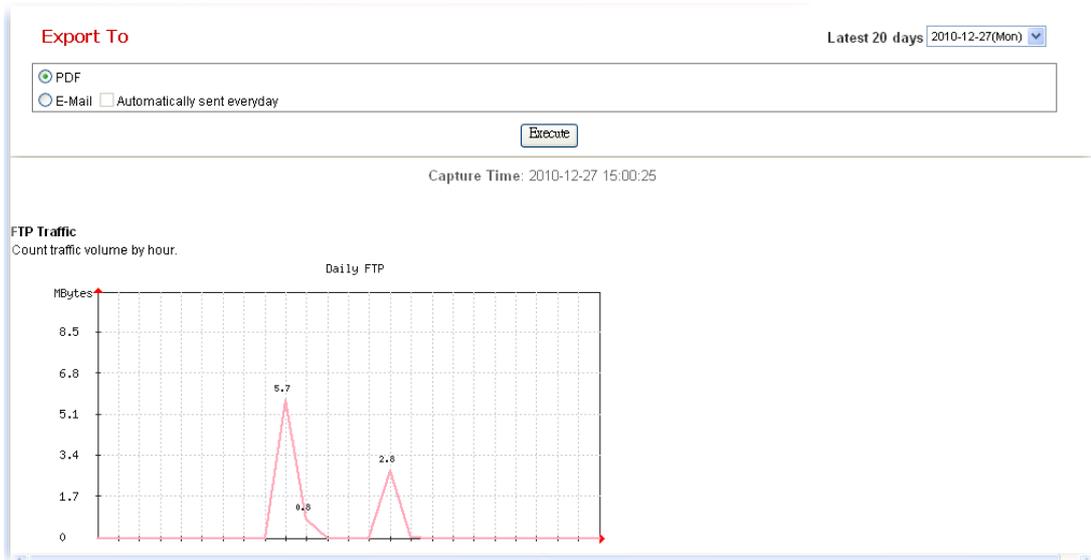
Notice: Only identified and categorized Traffic types are counted and shown in the charts.

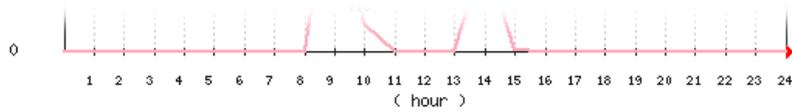
3.5.3 Daily Preview & Export

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. Everyday, the administrator can receive the daily network report transferred by Smart Monitor to inspect the usage of network without logging into Smart Monitor.





Max: 5.71 MB
Min: 0.00 KB
Ave: 396.03 KB
Total Traffic: 9.28 MB

Daily FTP Traffic (By Hours)			
Time	Traffic Volume		Percent
01:00		0.00 KB	0.00%
02:00		0.00 KB	0.00%
03:00		0.00 KB	0.00%
04:00		0.00 KB	0.00%
05:00		0.00 KB	0.00%
06:00		0.00 KB	0.00%
07:00		0.00 KB	0.00%
08:00		0.00 KB	0.00%
09:00		5.71 MB	61.52%
10:00		777.02 KB	8.18%
11:00		0.00 KB	0.00%
12:00		0.00 KB	0.00%
13:00		0.00 KB	0.00%
14:00		2.78 MB	29.97%
15:00		31.55 KB	0.33%
16:00		0.00 KB	0.00%
17:00		0.00 KB	0.00%
18:00		0.00 KB	0.00%
19:00		0.00 KB	0.00%

<p>Export To:</p>	<p>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.</p> <p>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.</p> <p>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, simply check the box of "Automatically sent everyday". Next, click Execute.</p>
<p>Latest 20 days</p>	<p>Such table can display statistics of the latest 20 days. You can choose any day by using the drop-down list for viewing the monitoring report.</p>

This page is left blank.

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.

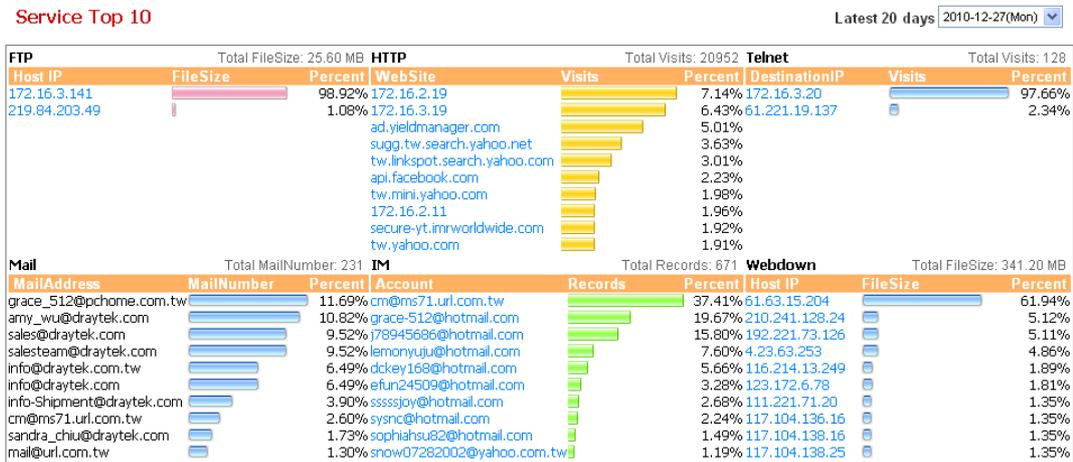
4.1.1 Reducing Web Page Visiting of Non-Work Usage

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

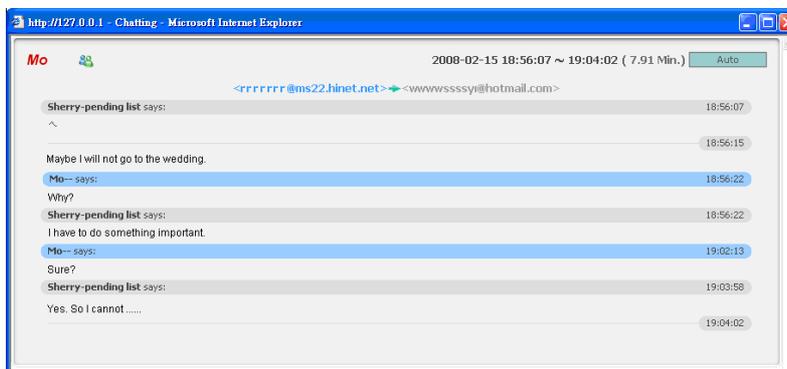
By following the popularization of MSN and QQ, IM software is indispensable to most of the people nowadays. However, the abuse of MSN and QQ has affected the operation efficiency of the enterprise.

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.

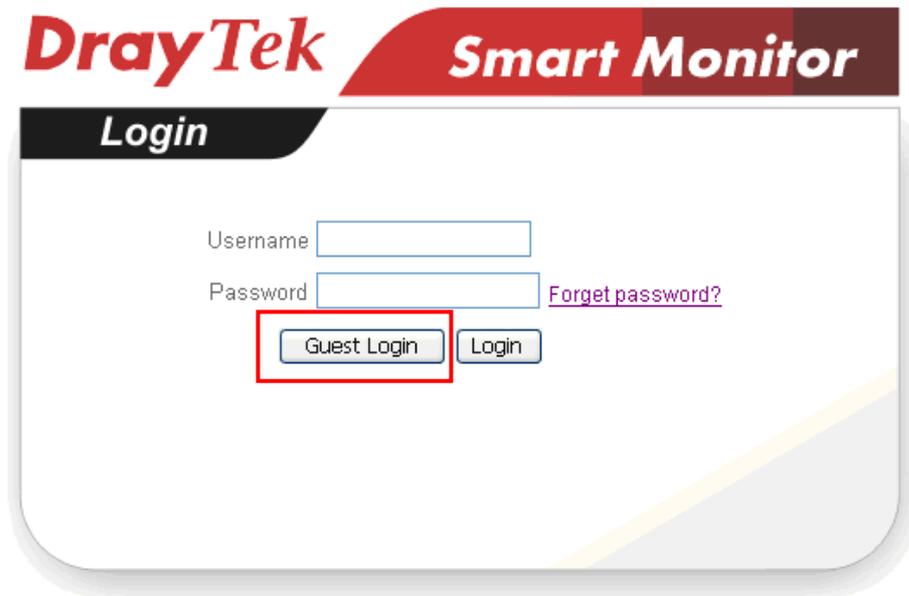
When all the users in the enterprise can think network application over and over and reduce the IM application, a trend of reducing IM application will be produced automatically. Thus, self-management for every user can be reached freely and easily.

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 settings in the 'Administration' section include 'Warn at firstpage' and 'Send email', both of 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**.



The image shows a web interface for DrayTek Smart Monitor. At the top, there is a red header with the DrayTek logo on the left and 'Smart Monitor' in white text on the right. Below the header is a black bar with the word 'Login' in white. The main content area is white and contains a login form. It has two input fields: 'Username' and 'Password'. To the right of the Password field is a purple link that says 'Forgot password?'. Below the input fields are two buttons: 'Guest Login' and 'Login'. The 'Guest Login' button is highlighted with a red rectangular border.

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.