

NetFee

Netstar NetWork Technology Inc

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1. Preface

With the development of the Internet, more and more companies, associations and schools have connected their intranet with Internet. It provides an easy way for Communicating with external departments. However, they have to face many administration problems such as how to control the time usage, traffic usage and websites visited.

Integrated with popular firewall systems (ISA server, Winroute etc.), Netfee can do Usage Analysis, Reporting, and Performance management. It consists of a Analysis module, charge module , reporting module and webfilter module.

Netfee Analysis the firewall's log files, then write the result into database. By querying the database, administrator can monitor the Internet usage (Bytes, Time, URL etc) of every user (Computer) at realtime. And base on the usage of Bytes and time, Netfee can calculate the user's fee to pay.




And Integrated with Microsoft Active Directory Service, Netfee supports managing of users and departments fully.

1.1 About manual

In this manual, you can find all information about installation and maintenance of NetFee.

For latest information about it, please visit:
<http://www.NetfeeSoftware.com>

1.1.1 Signs

-  "warning"
-  functions for "Plus" edition.
-  functions for "Enterprise" edition.

2. Principle and Feature

Netfee can scan many kinds of firewall (ISA server, Winroute etc) log files. By analyzing these log files, netfee can monitor each user's (computer) traffic to Internet.

2.1 Principle of System

Diagram of Netfee for ISA server standard edition:

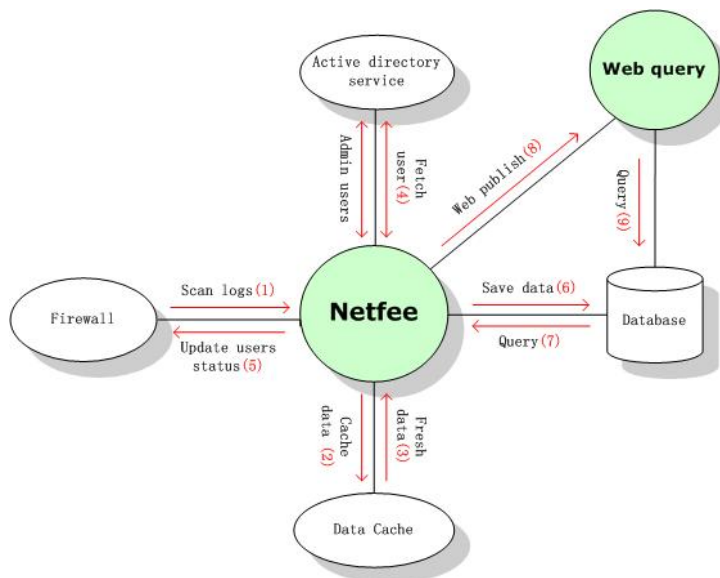
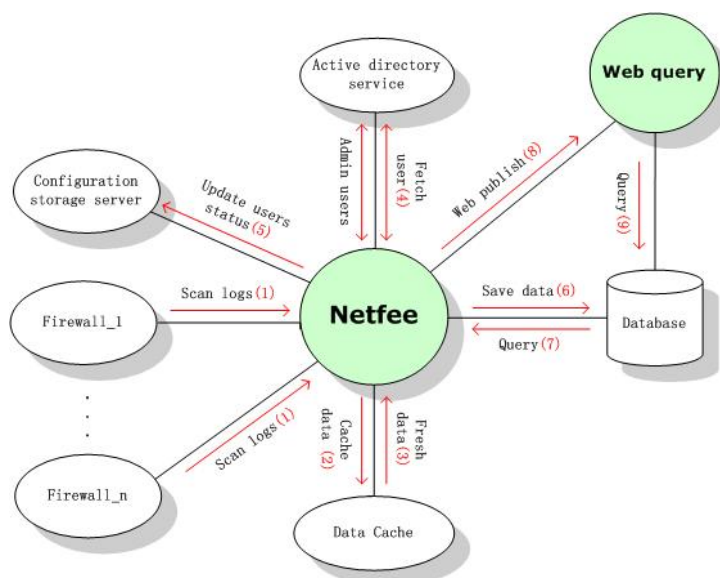


Diagram of Netfee for ISA server enterprise edition:



Main work flows as follow:

1. Scan files

Scan log files of firewall automatically.

2. Data cache

Put data that has been processed into cache.

3. Fresh Data

Write cached data into database at fixed time or at regular intervals

4. Fetch Users

Can get users information from Active directory server, then add these users into netfee's database.

5. Update user status E

Modify user authority in the firwall based on netfee's limit rules.

6. Save data

Save all processed data and users' information into database.

7. Query

Query user information from database.

8. Manage users E

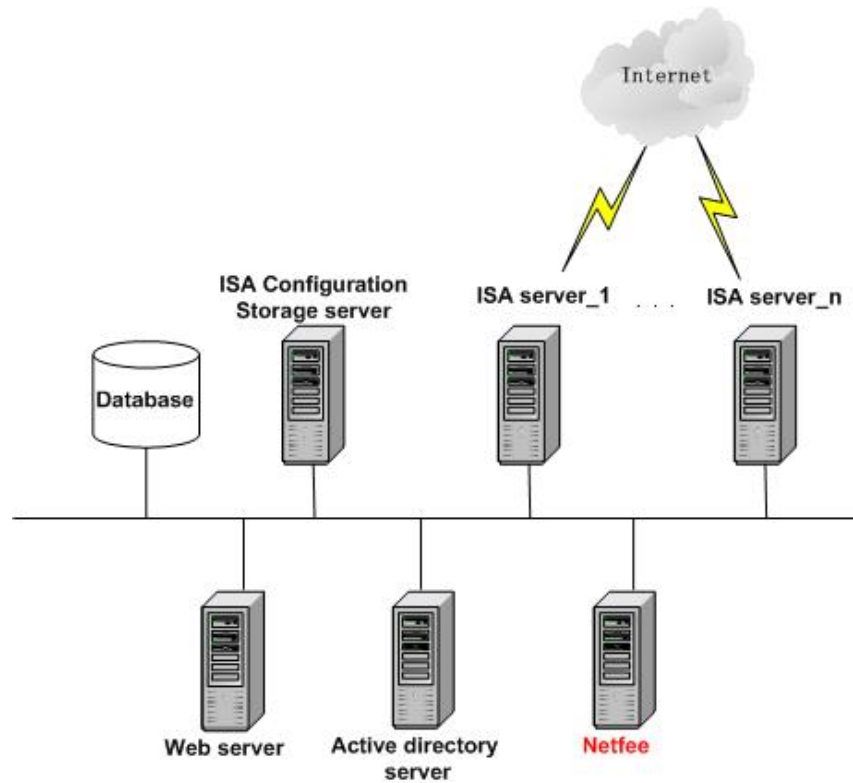
Manage user/department, such as add, delete, edit etc.

9. Web query E

User can query information from web.

2.2 Network structure

Network structure:



Netfee can scan and analysis log files from firewall array. the analysis result can be saved into database. and users can query database from Web Server.

Not only can Netfee run on firewall, but also can run on other computer to admin firewall remotely.

2.3 Product features

2.3.1 Features

1. User(Computer) administration **E**

Integrated with Microsoft Active Directory Service, netfee can set different limit to different users (computers). These quotas include bytes quota, time quota, bytes total quota, time total quota and expired date limit etc.

2. Support various charge mode **E**

Can calculate fee by bytes received, bytes total or time used.

3. Run as service **E**

Can be run without login as service.

4. Support firewall array **E**

Can monitor multiple firewalls in firewall array.

5. Support many firewall products

Support ISA Server, MS_PROXY, CSM, WinRoute, WinProxy etc.

6. Auto archive **E**

Can archive automatically. You can query previous information through querying previous archivement.

7. Data Filter **P E**

Can setup rules to specify what kind of data can be recorded. For example: Don't analyze the recorder with Port be equal 445.

8. Real time monitor

Can monitor users' activity at real time.

9. Trace and sort websites

Can query the information of websites visited by user/computer, and can sort them by the visited hints, bytes or time used.

10. Display protocols

Display protocols used by users.

11. Display files Transferred.

Display files downloaded or uploaded.

12. Warn E

Can set up warn rules, when recorders that is accorded with these rules appeared, send warn message

13. Report service E

Can create report in Excel or HTML format automatically.

14. Web query E

User can query information from web.

15. Bound user with IP address E

Restrict user to use specified IP address.

16. Backup and restore system information

Can backup system information at regular intervals

17. Data Chart

Can display data with by chart.

18. Remote management

Can run at separate computer to manage isa server remotely.

19. Support SQL Server P E

Can save data into SQL server

20. Cross query

Can query between user and computer.

2.3.2 The difference among edition of Standard, Plus and Enterprise

	Standard	Plus P	Enterprise E
Support many firewall products	✓	✓	✓
Real time monitor	✓	✓	✓
Trace and sort websites	✓	✓	✓
Display used protocols	✓	✓	✓
Display files Transferred	✓	✓	✓
Backup and restore information	✓	✓	✓
Data Chart	✓	✓	✓
Remote manage	✓	✓	✓
Cross query	✓	✓	✓
Data Filter		✓	✓
Run as service			✓
Report service			✓
Auto archive			✓
Support SQL Server			✓
Warn			✓
Web query			✓
Bound user with IP address			✓
User(Computer) administration			✓
Support various admin mode			✓
Support firewall array			✓
WinRoute	✓		
WinProxy	✓		

* Netfee Plus/Enterprise don't support WinRoute and WinProxy.

3. System requirements

- ISA server(2000/2004/2006)、TMG server 2010、MS_Proxy、CSM_Proxy、WinProxy5.1、WinRoute6.0
- Windows NT 4.0 (Service Pack 5)
or Windows 2000 Server(Service Pack 2).
or Windows 2003 Server(Service Pack 1).
or Windows 2008 Server.
- Microsoft Data Access Components (MDAC) 2.5
- SQL server 2000/2005 (for plus and enterprise version)
- Internet Explorer 5.01
- Windows 98/ME/NT 4.0/2000/XP (client)
- Pentium III 300 CPU or higher
- 512 MB of RAM
- 1G of free HDD space

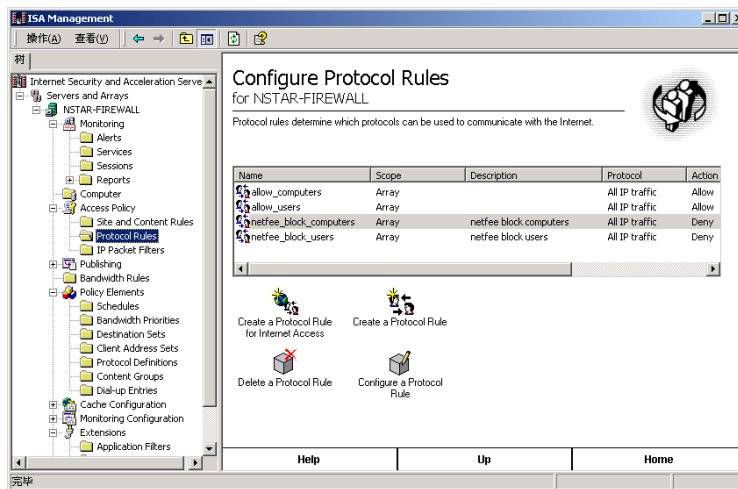
4. Confirm the settings of firewall

Check firewall's settings.

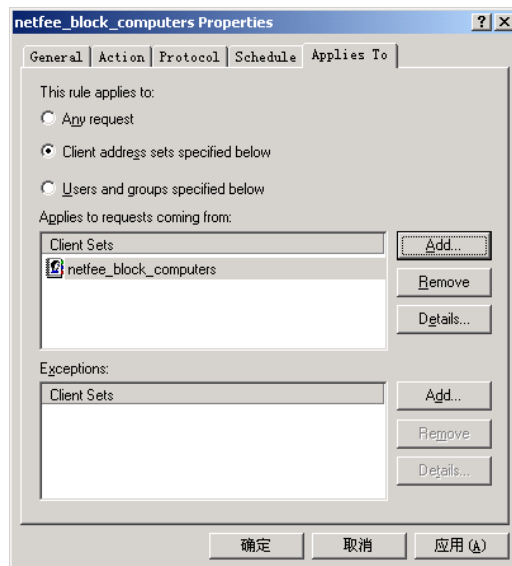
4.1 ISA Server 2000

Run "ISA Server 2000 mangment".

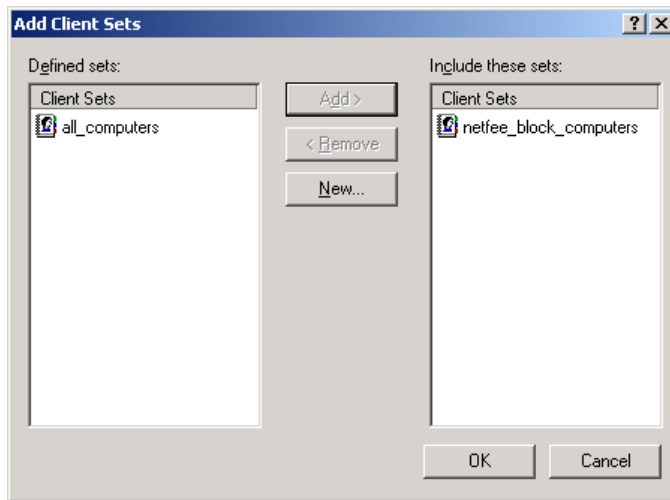
Choose "Access Policy / Protocol Rule", the two rules of "netfee_block_users" and "netfee_block_computers" are added by netfee.



Select "netfee_block_computers", and run "Configure a Protocol Rule".

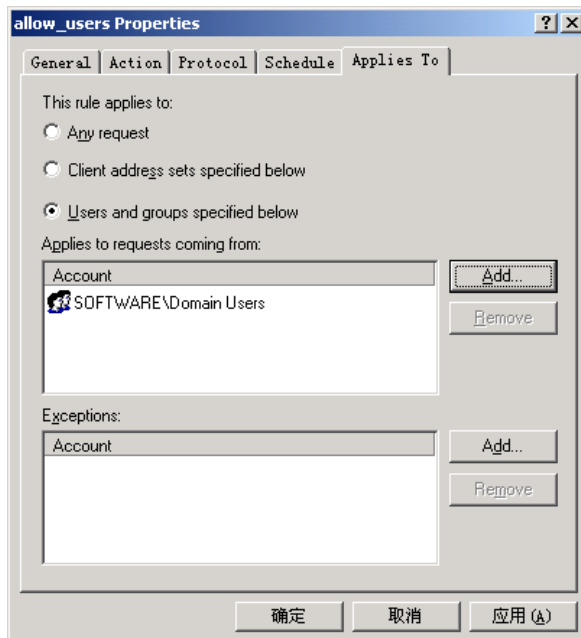


Click "Add" button, add "netfee_block_computers" from "Ddefined sets" to "Include these sets".



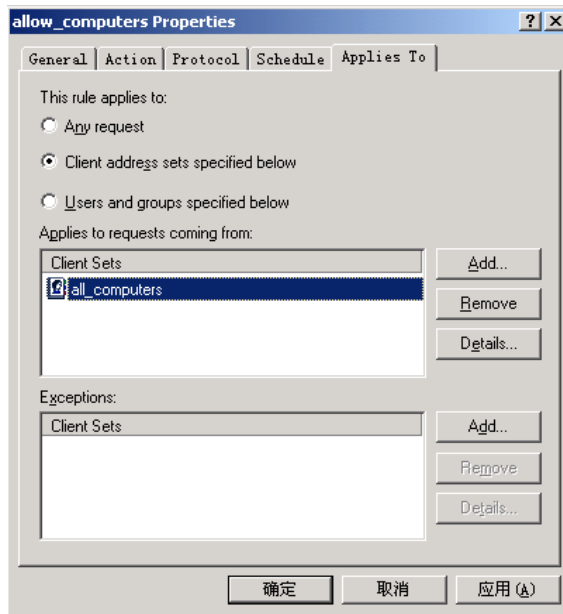
4.1.1 Admin by user E

If you want to admin in user mode, add Protocol Rule in "Access Policy/Protocol Rule". Select "Users and groups specified below" in "Applies To" and add users into list "Applies to request coming from".



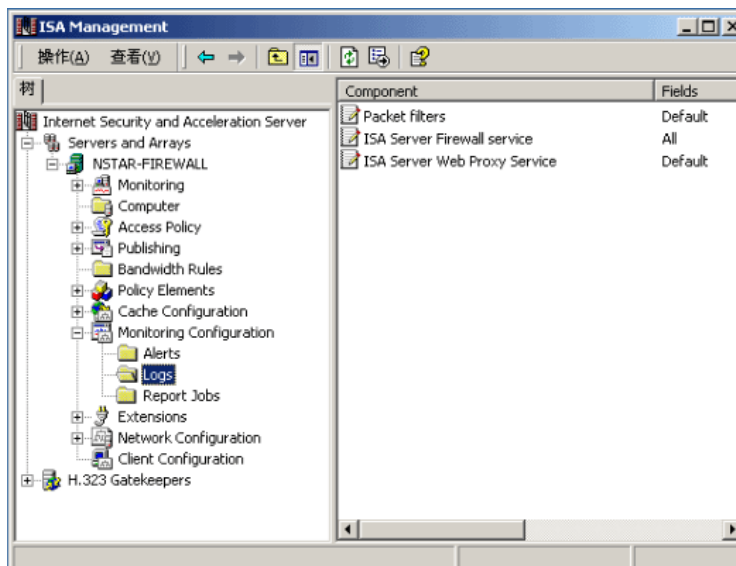
4.1.2 Admin by computers E

If you want to admin in computers mode, add Protocol Rule in "Access Policy/Protocol Rule". Select "Client address set specified below" in "Applies To" and add computers into list "Applies to request coming from".



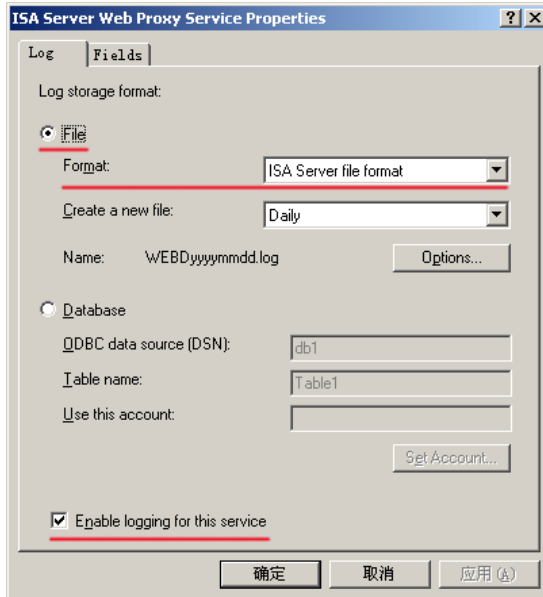
4.1.3 Log settings

Select "Monitoring Configuration/Logs".



Select "ISA Server format" or "W3C extended log file format" as format of Web Proxy, Firewall and Packet filter.

E For Netfee for ISA server enterprise edition, must select "ISA Server format" as log file format.



Follow Fields should be included in Log files

- **Web Proxy Service:**

- Client
- Client user name
- Date
- Time
- Destination name
- Destination port
- Processing time
- Bytes sent
- Bytes received
- Protocol name
- Object name

- **Firewall service:**

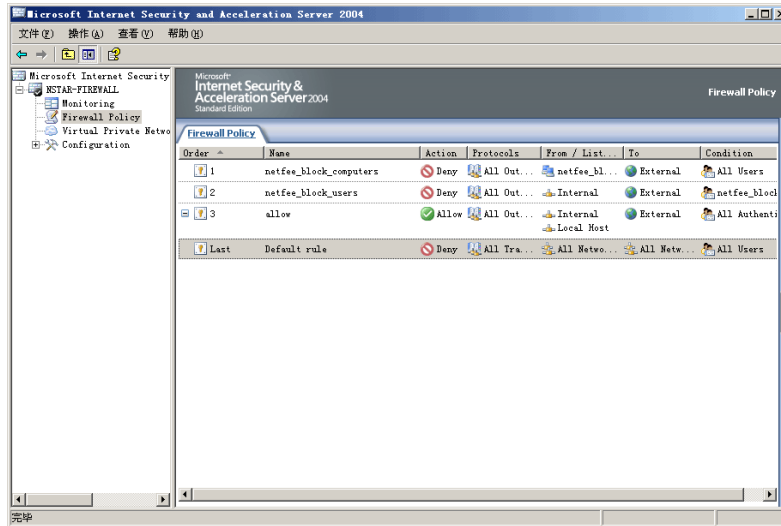
- Client IP
- Client user name
- Client agent
- Date
- Time
- Destination IP
- Destination port
- Processing time
- Bytes sent
- Bytes received

4.2 ISA Server 2004(2006) standard edition

4.2.1 Netfee policy **E**

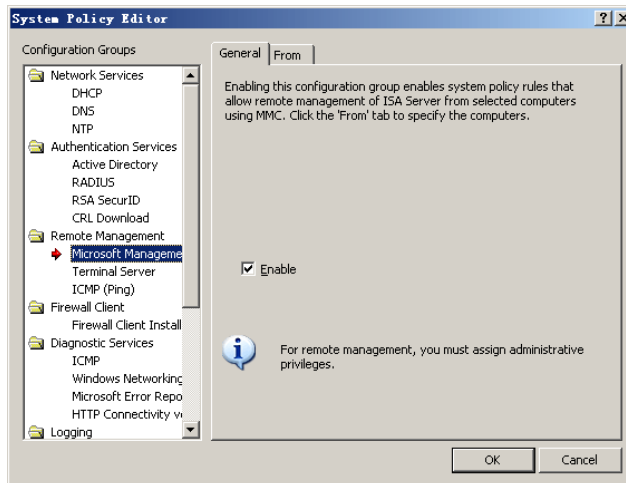
Run "ISA Server Management", select "Firewall policy". there will have two rules "netfee_block_users" and "netfee_block_computers". The two rules are created by netfee. Refer to "**7.1 Connect to firewall**".

⊗ The two rules must be at the top position of rule list.



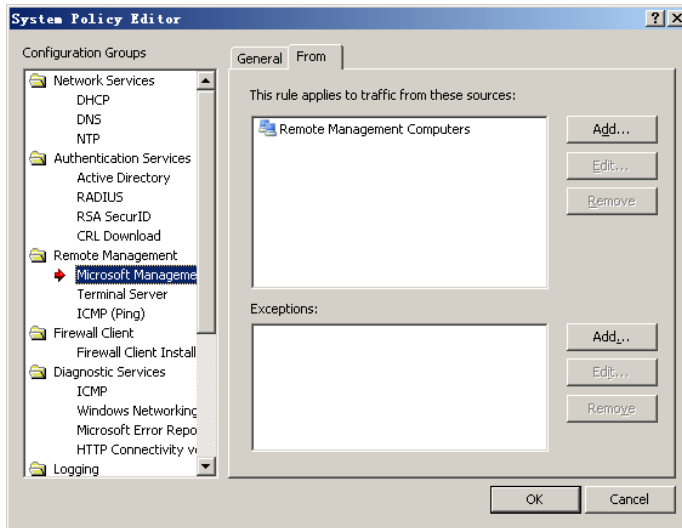
4.2.2 Remote management **E**

Netfee can run at local or at remote computer. When Netfee running at remote computer, need to do some settings to ISA server. Right-click on "Firewall Policy", run "Edit System Policy".

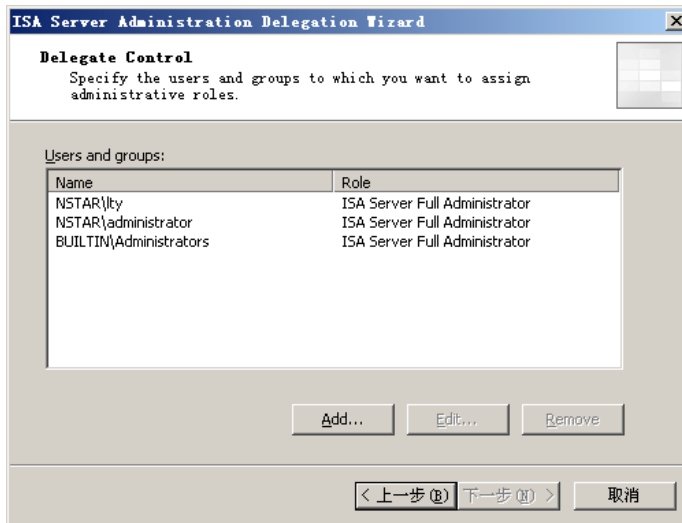


Run "Remote Management/Microsoft Management Console", put a tick in the checkbox in this option to enable it.

In the **FROM** tab you can specify one or more computers you would like to be able Remote Administration from.

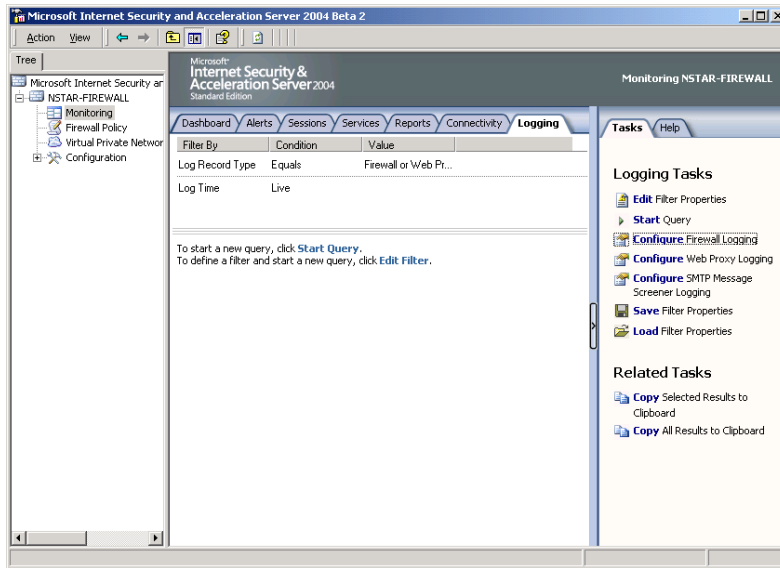


In the "Configuration/General" node choose "Administration Delegation". From there you can add or edit your firewall administrators.



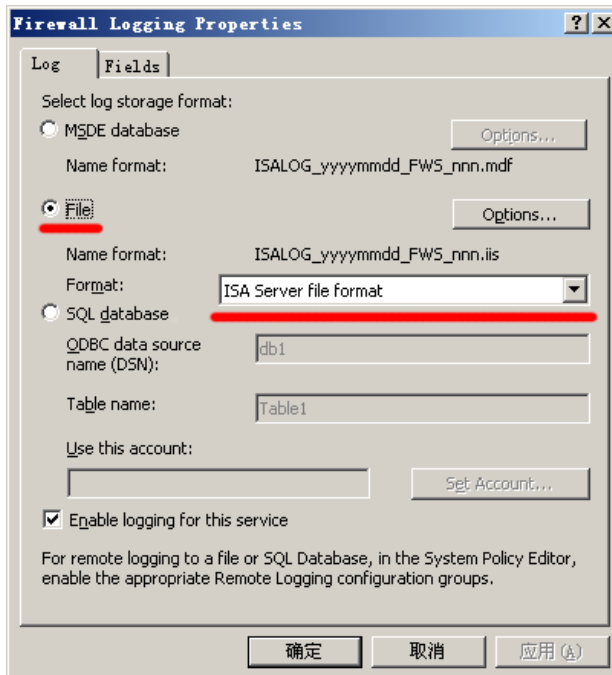
4.2.3 Logs

Click on "Monitoring", Select "Configure Firewall Logging" and "Configure Web proxy Logging".



Select "ISA Server file format" or "W3C extended log file format" as the format of log files of Firewall.

⊘ For Netfee for ISA server enterprise, must select "ISA Server format" as log file format. **E**



Follow Fields should be included in Log files

- **Web Proxy Service:**

- Client IP
- Client user name
- Date
- Time
- Destination name
- Destination port
- Processing time
- Bytes sent
- Bytes received
- Protocol name
- Object name

- **Firewall service:**

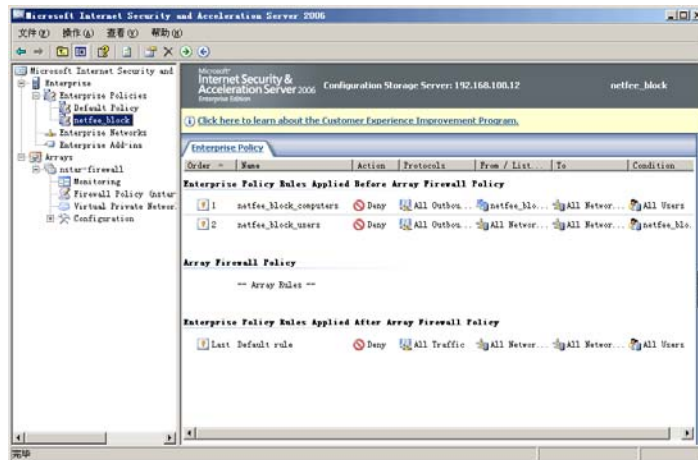
- Date
- Time
- Source
- Destination
- Result code
- Bytes sent
- Bytes received
- Connection time
- Client user name
- Client agent

4.3 ISA Server 2004 (2006) enterprise edition

4.3.1 Netfee enterprise policy E

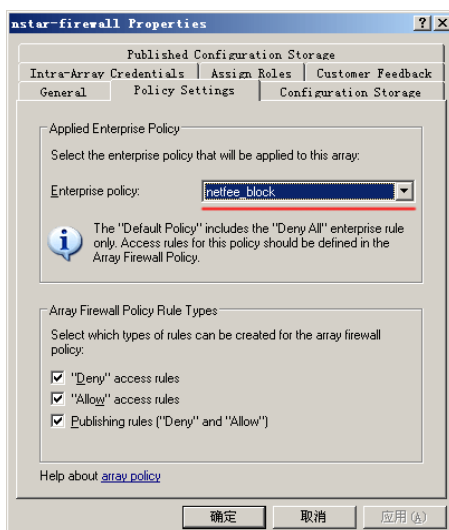
In the console tree of ISA Server Management, click on "Enterprise Policies". there will have a Enterprise Policy that contains two rules "netfee_block_users" and "netfee_block_computers". The two rules are created by netfee. Refer to "**7.1 Connect to firewall**".

⊗ The two rules must be at the top position of rule list.



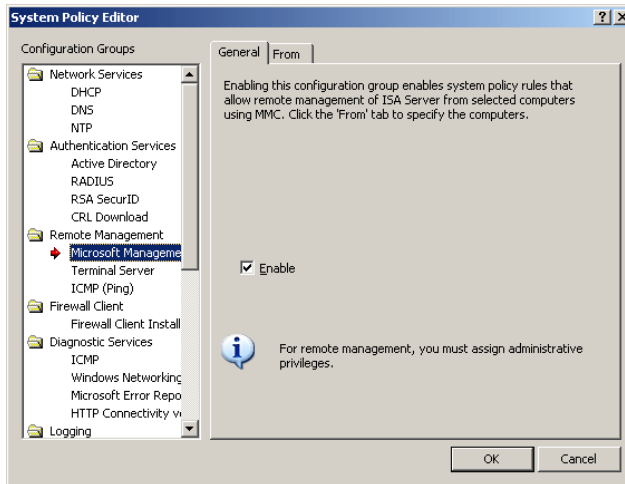
E The enterprise policy that contains the two rules should be applied to firewall array.

In the console tree of ISA Server Management, right-click "array name". Click "Properties", on the "Policy Settings", select the enterprise policy that contains the two rules to apply this array.



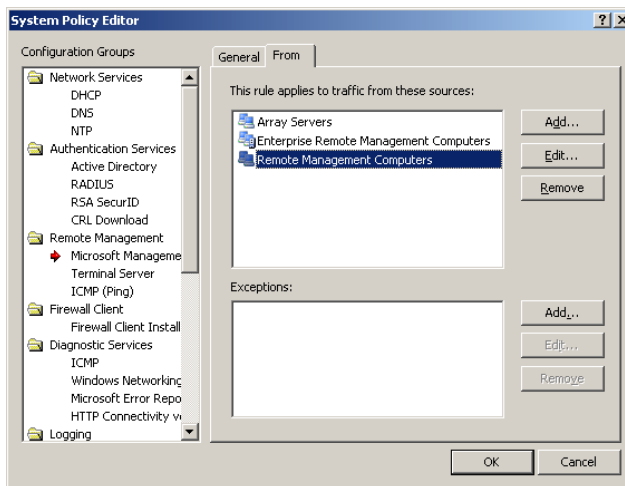
4.3.2 Remote management

Netfee can run at local or at remote computer. When Netfee running at remote computer, need to do some settings to ISA server. Right-click on “Firewall Policy”, run “Edit System Policy”.



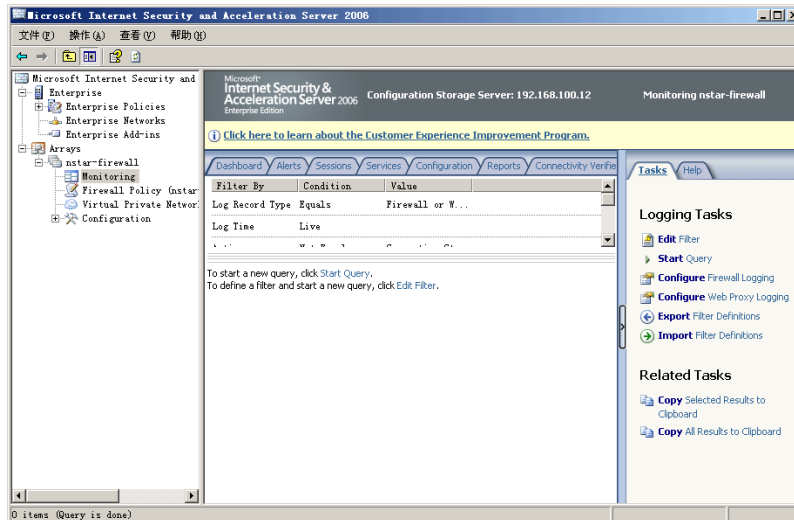
Run “Remote Management/Microsoft Management Console”, put a tick in the checkbox in this option to enable it.

In the **FROM** tab you can specify one or more computers you would like to be enable Remote Administration from.



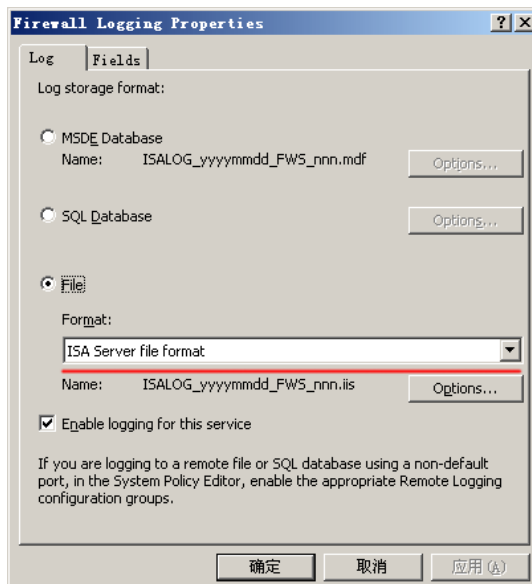
4.3.3 Logs

Click on "Monitoring", Select "Configure Firewall Logging" and "Configure Web proxy Logging".



Select "ISA Server file format" or "W3C extended log file format" as the format of log files of Firewall.

⊘ For Netfee for ISA server enterprise, must select "ISA Server format" as log file format. E



Follow Fields should be included in Log files

- **Web Proxy Service:**

- Client IP
- Client user name
- Date
- Time
- Destination name
- Destination port
- Processing time
- Bytes sent
- Bytes received
- Protocol name
- Object name

- **Firewall service:**

- Date
- Time
- Source
- Destination
- Result code
- Bytes sent
- Bytes received
- Connection time
- Client user name
- Client agent

4.4 WinRoute 6.0

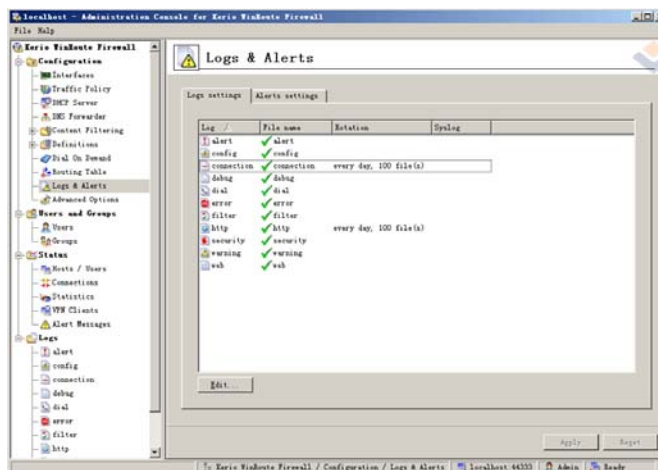
At "Administration console", select "Configuration/Traffic policy".



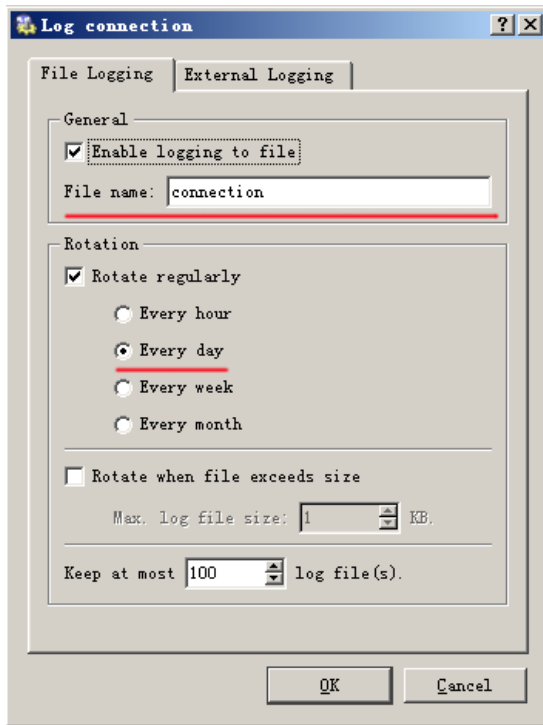
Edit each rules,run "Log matching connections" to produce logs.



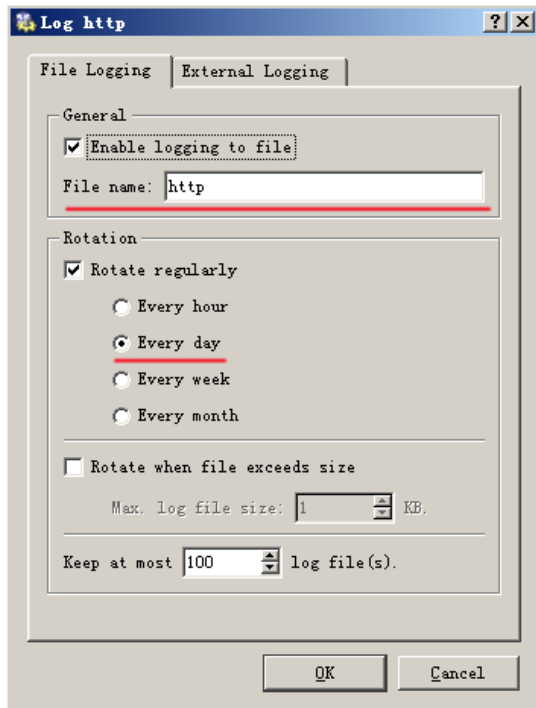
At "Administration console",Select "Configuration / Logs & Alerts / Logs settings".



Edit "Connection" settings. Select "Enable logging to file", and fill "File name" with "connection". Set "Rotation/Rotate regularly" to "Every day".

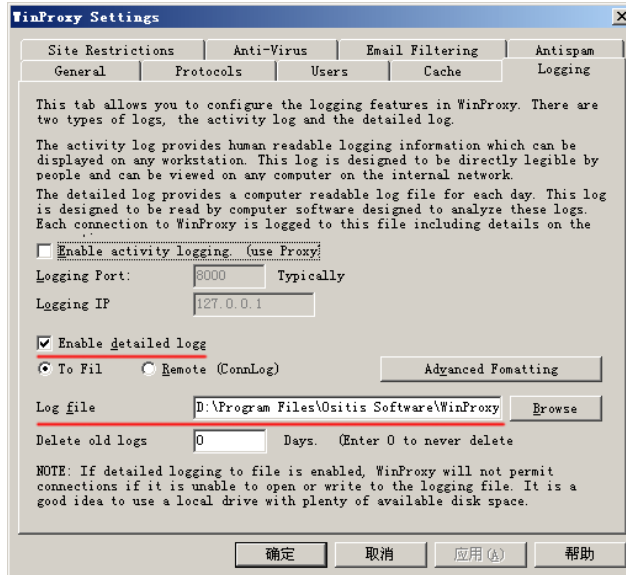


Edit "Http" settings. Select "Enable logging to file", and fill "File name" with "http". Set "Rotation/Rotate regularly" to "Every day".



4.5 WinProxy 5.1

Run "File / Settings / Logging",select "Enable detailed logging".



5. Installation

5.1 Install ISA server Management

Netfee can run at local or at remote computer. When Netfee running at remote computer, need to install ISA server Management at the computer running netfee.

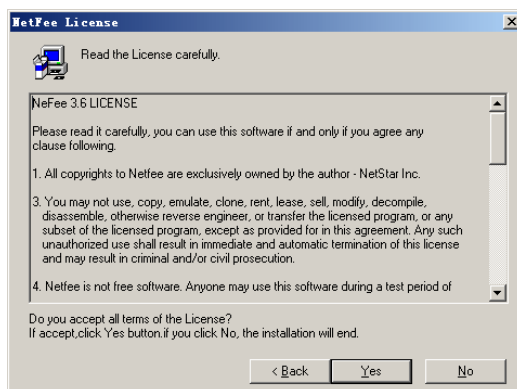
Firstly you should configure firewall for remote administration. Refer to "**4.2.2 (4.3.2) Remote management**".

Then can install "ISA server Management" onto the computer to netfee. To do this we use the ISA Server CD. Just run the setup the usual way on the local computer, however, when you get to the menu options you should choose "Custom Setup". In the Custom Setup you should choose only the ISA Server Management and hit "Next". The necessary files will be installed and you will be on your way to remote admin.

5.2 Install Netfee

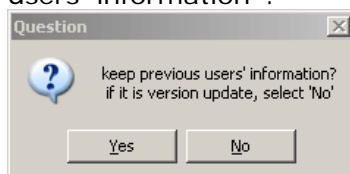
Run Netfee.exe in install disk

First License agreement appears, if you accept the clauses listed in it, click "**Yes**", otherwise, click "**No**", exit.



Then select the install location of NetFee, click "**next**"

If it is not first time to install netfee, system will query "keep previous users' information"?



If select "Yes", system will keep all previous users information.

If select "No", after finish installation and Start NetFee, run "**File/Restore user information**" to restore user information backuped previously.

⊘ If update netfee to a new version, must select "No".

After installation finished, you can select to run immediatly. You also can run "**Start/programs/NetFee/NetFee**" for the first use.

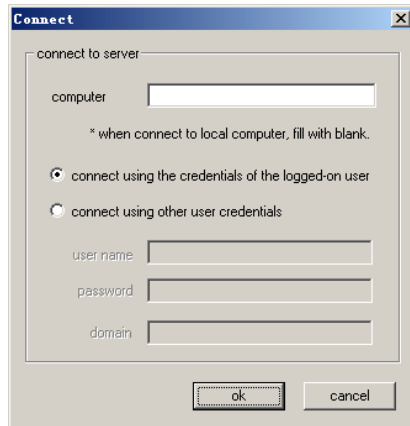
When netFee run, an icon will shown at low-right corner of screen.

5.3 Initial running the system

5.3.1 Connect E

Netfee management connect to netfee service. About netfee service, refer to "**6.1 Netfee service**".

Run "File/Connect", Connect window appears..

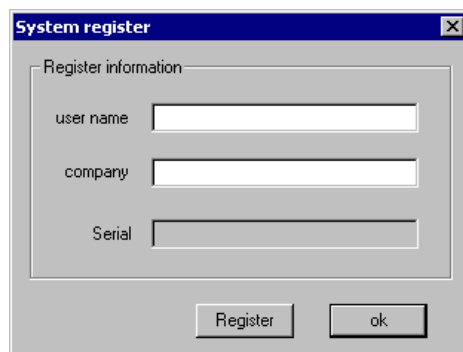


If Netfee service running on another computer, input address of computer running netfee service at the "**computer**".

If Netfee service running on local, leave Blank, or input "." or "Local" at the "**computer**".

5.3.2 Register

Run "Help/Register", system registry window appears.



If you are a legal user, click "**register**", "System register" window appears. Input your register information.

⊘ For DEMO edition, period of validity is 60 days (from installation).

5.3.3 Netfee service E

Netfee enterprise edition can be run as service. Netfee service has two method to logon: Local system and admin account.

Run "File/netfee service", select the method to logon.



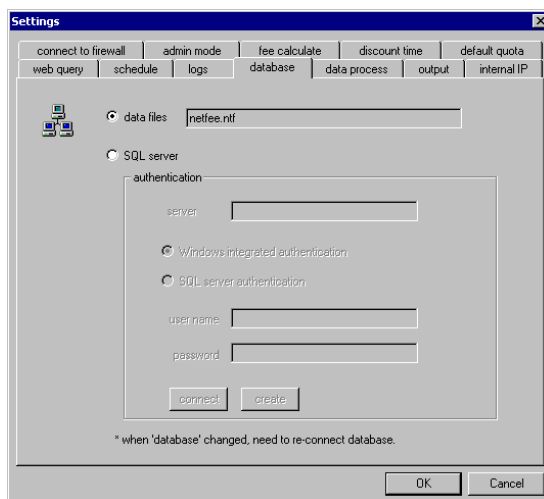
⊘ When Database is SQL server or Log directory is on another computer running ISA server, must select to logon as admin account.

5.3.4 Database

When run netfee, system will connect database automatically. The default database is data file - **netfee.ntf** (at "../programe files/netfee").

E If you want to select "SQL server" as database, you should create database firstly. If the number of users or computers is more than 100, suggest using Sql server as database.

Run "**Tools/Settings/Database**", fill in the address of SQL server, user name and password, then click "**Create**".

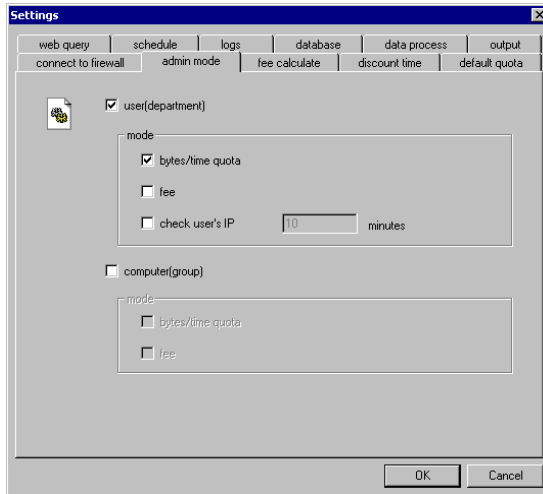


⊘ The user to create database must have "Create database" priority to the SQL server.

After database is created, you can specify another user to connect database. The user doesn't have to own the "Create database" priority.

5.3.5 Select admin mode

You can select admin mode to admin users and computers. Refer to "**7.2 Admin mode**".



5.3.6 Add user/computer

"Add department", refers to "**8.1.1 Add department**".

"Add user", refers to "**8.2.1 Add user**".

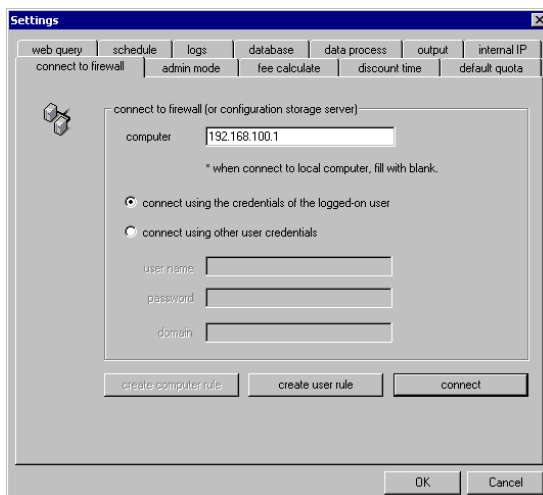
"Add group", refers to "**9.1.1 Add group**".

"Add computer", refers to "**9.2.1 Add computer**".

5.3.7 Connect to firewall E

Netfee can run at local or at remote computer. When Netfee running at remote computer, need to connect to remote ISA server.

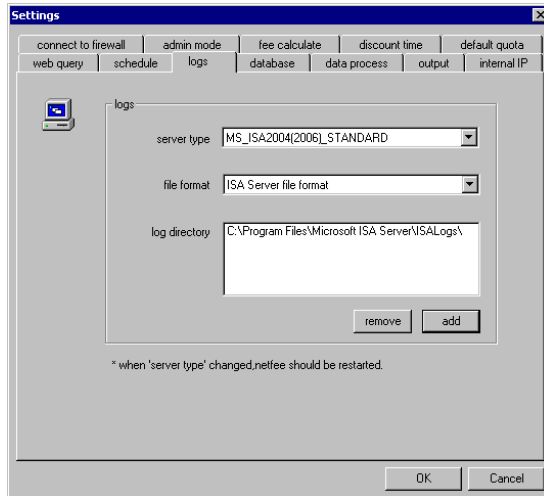
Run "**Tools/Settings/Connect to firewall**".



Specify name of computer running ISA server firewall or Configuration storage server with *computer_name* or IP address. Then, type the user name, password, and domain for the user who will remotely manage. Refer to "**7.1 Connect to firewall**".

5.3.8 Log

Run "**Tools/Settings/Logs**".



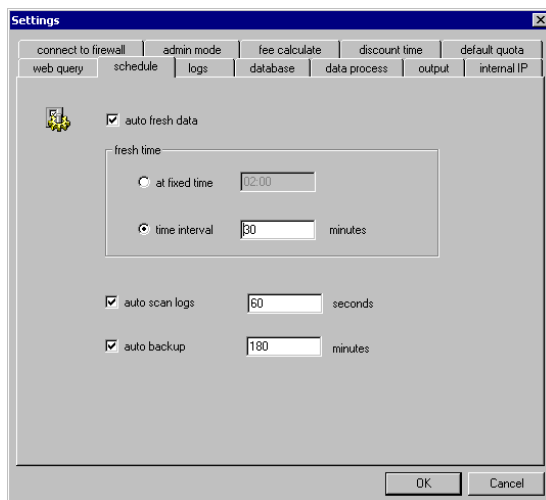
Select "**ISA Server file format**" or "**W3C extended log file format**" as the format of log files of Firewall.

⊘ For Netfee for ISA server enterprise, must select "ISA Server format" as log file format. **E**

Then select the location of log file. If system log file is not in the Local computer, you can find the directory through "network Places". Or The path can be specified in the UNC format. for example, "\\ISAserver\ISALogs\".

5.3.9 Schedule

Run "Tools/Settings/Schedule", confirm "Auto scan data" is selected.



5.3.10 Scan log

Run "Data Process/start Data-scan" to scan log. you can see users information at "real-time pane".

start time	name	source addr	dest addr	protocol	port	application	time user
06-05-13 17:57:41	administrator	192.168.100.1	www.netfeesoftware.com	http	2082	-	00:00:
06-05-13 17:57:33	administrator	192.168.100.1	www.google.com	http	80	-	00:00:
06-05-13 17:56:51	administrator	192.168.100.4	218.30.103.168	pop3	110	msimn.exe	00:01:
06-05-13 17:56:08	administrator	192.168.100.1	blog.platinum.net.cn	http	80	-	00:00:
06-05-13 17:54:16	administrator	192.168.100.1	www.google-analytics.com	http	80	-	00:03:
06-05-13 17:54:14	administrator	192.168.100.1	www.fairyfair.com	http	80	-	00:01:
06-05-13 17:54:13	administrator	192.168.100.1	bbs.chinaunix.net	http	80	-	00:02:
06-05-13 17:54:12	administrator	192.168.100.1	www.chinaunix.net	http	80	-	00:01:

At the same time, you can see log files being scanned.

file name	size M	progress rate
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	4.93	Complete
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	5.24	Complete

5.3.11 Fresh data

Run "Data Process / Fresh data" (or F5) to save data into database.

⊘ Only after "Fresh data" can query information.

⊘ For the change to user/department quota, only after "Fresh data" to take effect.

5.3.12 Query

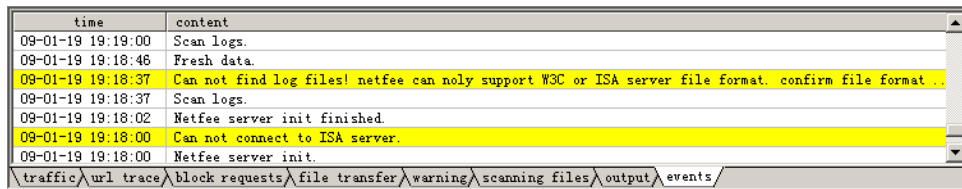
Select the user/computer you want to query, run **"Query"**.

5.3.13 Archive E

Run **"File/Archive data"** to set archive schedule and content. Refer to **"11.6.1 Data archive"**.

5.3.14 Event

At **"Real-time pane/Event"**, can see the system return warning or error message.



time	content
09-01-19 19:19:00	Scan logs.
09-01-19 19:18:46	Fresh data.
09-01-19 19:18:37	Can not find log files! netfee can noly support W3C or ISA server file format. confirm file format .
09-01-19 19:18:37	Scan logs.
09-01-19 19:18:02	Netfee server init finished.
09-01-19 19:18:00	Can not connect to ISA server.
09-01-19 19:18:00	Netfee server init.

6. Overview

Netfee include netfee management and netfee service **E**.

Netfee management can be installed on computer running netfee services, can also be installed on another computer to remote management netfee services.

6.1 Netfee service **E**

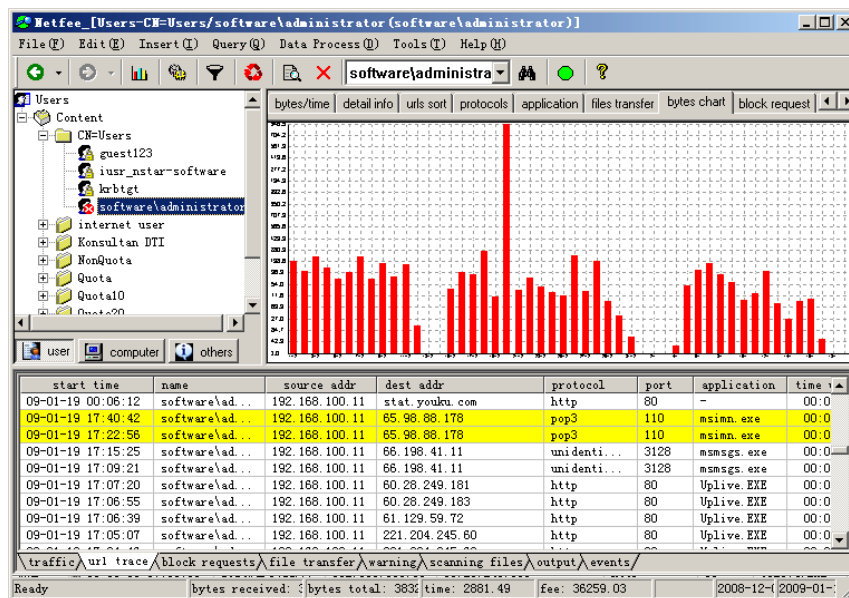
Netfee(Enterprise edition) can be run as service.

At "Start" Menu, click "run". Input "services.msc" to open "Service" dialog. Right-click on "netfeesrv.exe", can **Start** or **Stop** netfee service.

6.2 Netfee management

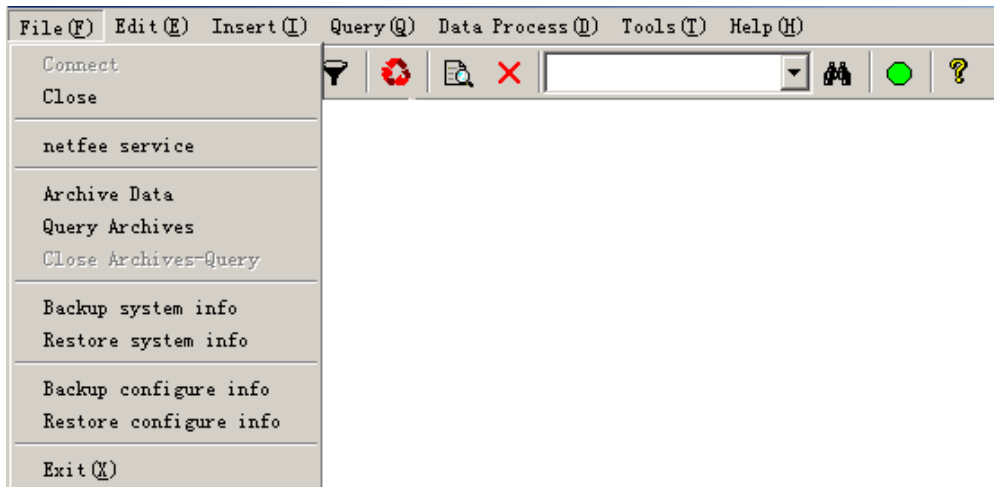
Netfee service can be managed by netfee management. **E**

The main window includes four panes: "**Menu pane**", "**Tree-view pane**", "**Real-time pane**", "**Query results pane**".



6.2.1 Menu pane

Main menu includes File, Edit, Insert, Query, Data Process, Tools and Help.



6.2.1.1 File

- **Connect:** Connection to system.
- **Close:** Close the connection to system.
- **Netfee service:** Set logon method of netfee service. **E**
- **Archive Data:** Archive Data for later query. **E**
- **Query Archives:** Query archived Data. **E**
- **Close archives-query:** Close the connection to archives. **E**
- **Backup system information:**
Backup system information (e.g. fees, parameters etc.), prevent important data from losing for accidental breakdown.
- **Restore system information:**
Restore previous backup information when system breakdowns or be re-installed.
- **Backup configure info:** Backup system configure information.
- **Restore configure info:** Restore system configure information.
- **Exit**

6.2.1.2 Edit

- **Copy** (Ctrl + C): Copy the content selected.
- **Copy cell** (Ctrl + T): Copy the cell selected.
- **Select All** (Ctrl + A): Select all content of query result.
- **Find** (Ctrl + F): Find a keyword from query result.
- **Find Next** (F3): Query repeatedly.

6.2.1.3 Insert



- **Add department:**
-

- **Edit department**
- **Delete department**
- **Add user**
- **Edit user**
- **Delete user**
- **Add unknown users**
- **Add group**
- **Edit group**
- **Delete group**
- **Add computer**
- **Edit computer**
- **Delete computer**
- **Add unknown computers**




6.2.1.4 Query

- **Query:** Query information.
- **Stop query:** Stop query.
- **Clear cache:** Clear query cache.

6.2.1.5 Data Process

- **Start Data-scan:** Start to scan log.
- **Stop data-scan:** Stop scanning log.
- **Fresh data(F5)**
Write cache data into database.
- **Re-scan log**
When system settings changed or system reinstalled, can re-scan previous log files.
- **Re-calculate** 
Re-calculate data when admin mode changed.
- **Clear data**
Clear data.
- **Update users(Ctrl + F5)** 
Updates users or computers information with ISA server.

6.2.1.6 Tools

- **Settings(Alt + F7):** Set system parameters.
- **Data filter** 
Set filter for data process.
- **Monitor filter** 
Set filter for monitor.
- **Query filter** 
Set filter for query.

- **Network elements** **F**
Can be used in various filter rules settings.
- **Warn** **E**
Specify what type data to be warned.
- **Synchronize Ad** **E**
Can synchronize users' information between netfee and AD.
- **Create Report:** **E**
Create various report automatically.

6.2.1.7 Help

Information about system help

6.2.1.8 Accelerator Key

Main Accelerator Key as follow.

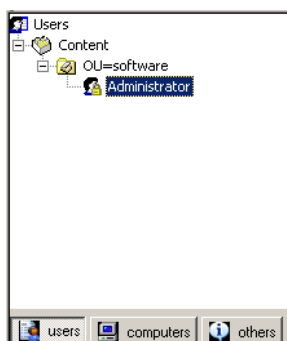
	Accelerator Key
Save User information	Ctrl + S
Copy	Ctrl + C
Copy cell	Ctrl + T
Select All	Ctrl + A
Find	Ctrl + F
Find Next	F3
Publication	Ctrl + W
Update users	Ctrl + F5
Fresh data	F5
Warn	Ctrl + D
Settings	Alt + F7




6.2.2 Tree-view pane




Locate at the upleft side of window. It contain "Users", "Computers" and "Others".

6.2.2.1 Users

Contain all users and deps.

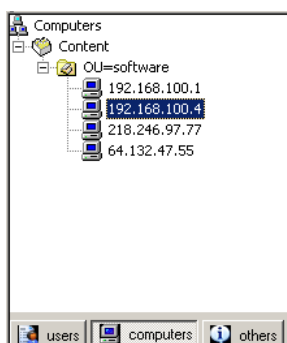





- E** Department is at "control" status, it's icon is shown as .
- Department is at "disable" status, it's icon is shown as .
- Department is at "ignore rule" status, it's icon is shown as . Refer to "8.1.3.2 Quota".


- User is at "control" status, it's icon is shown as .
- User is at "disable" status, it's icon is shown as .
- User is at "ignore rule" status, it's icon is shown as . Refer to "8.2.4.2 Quota".


6.2.2.2 Computers


Contain all computers and groups.



- E** Group is at "control" status, it's icon is shown as .
- Group is at "disable" status, it's icon is shown as .
- Group is at "ignore rule" status, it's icon is shown as . Refer to "9.1.3.2 Quota".

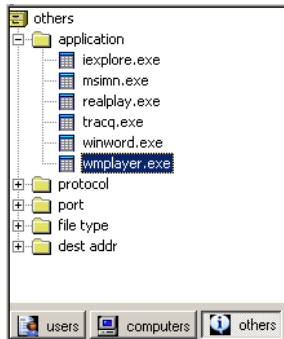
Computer is at "control" status, it's icon is shown as .

Computer is at "disable" status, its icon is shown as .

Computer is at "ignore rule" status, it's icon is shown as . Refer to "9.2.4.2 Quota".

6.2.2.3 Others

Contain "application", "protocol", "port", "file type", "dest addr" etc.



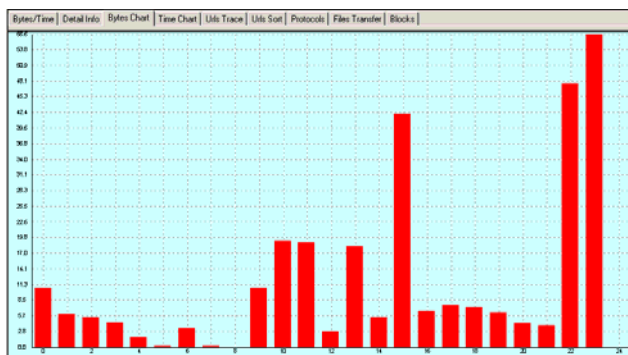
6.2.3 Real-time pane

It's at below part of window. Show real-time information in it.
 It contains: "traffic", "url trace", "block request", "file transfer", "warning", "output" and "events".

start time	name	source addr	dest addr	protocol	port	application	time usec
06-05-13 17:57:41	administrator	192.168.100.1	www.netfeesoftware.com	http	2082	-	00:00:
06-05-13 17:57:33	administrator	192.168.100.1	www.google.com	http	80	-	00:00:
06-05-13 17:56:51	administrator	192.168.100.4	218.30.103.168	pop3	110	msimn.exe	00:01:
06-05-13 17:56:08	administrator	192.168.100.1	blog.platinum.net.cn	http	80	-	00:00:
06-05-13 17:54:16	administrator	192.168.100.1	www.google-analytics.com	http	80	-	00:03:
06-05-13 17:54:14	administrator	192.168.100.1	www.fairyfair.com	http	80	-	00:01:
06-05-13 17:54:13	administrator	192.168.100.1	bbs.chinaunix.net	http	80	-	00:02:
06-05-13 17:54:12	administrator	192.168.100.1	www.chinaunix.net	http	80	-	00:01:

6.2.4 Query Results pane

It's at upright side of window, to display the query results.
 It contains: "Time/Bytes", "Detail information", "Bytes chart", "Time chart", "Url trace", "Url sort", "Protocols", "Application", "Files transfer", "Block request", "Warn", "Bytes/time control" and "Fee control".

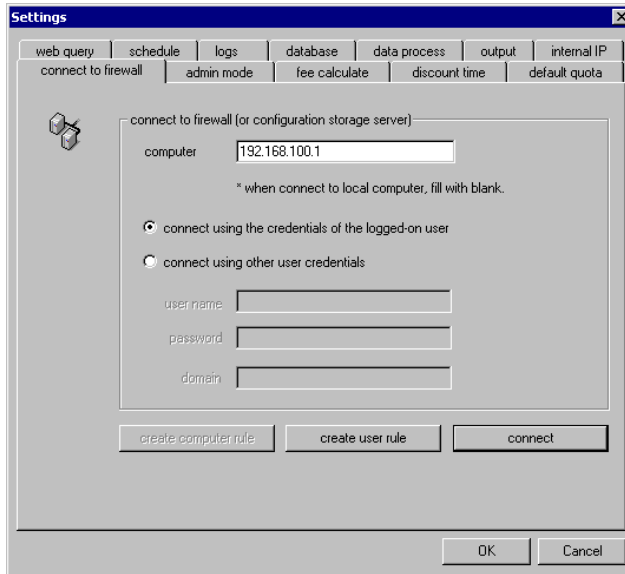


7. Configure Netfee

Settings on system.

7.1 Connect to firewall **E**

Netfee can run at local or at remote computer. When Netfee running at remote computer, need to connect to remote ISA server.



Computer:

Specify name of computer running ISA server or Configuration storage server with *computer_name* or IP address. If the computer is Local host, specify computer's name with "", ".", or "local".

Ⓒ Connect using the credentials of the logged-on user

Administer the remote ISA Server computer, using the credentials of the user currently logged on.

Ⓒ Connect using other user credentials

Specify the name of a different user, who will remotely manage the ISA Server computer. Then, type the user name, password, and domain for the user who will remotely manage.

Ⓒ **Connect:** Test to connect ISA server.

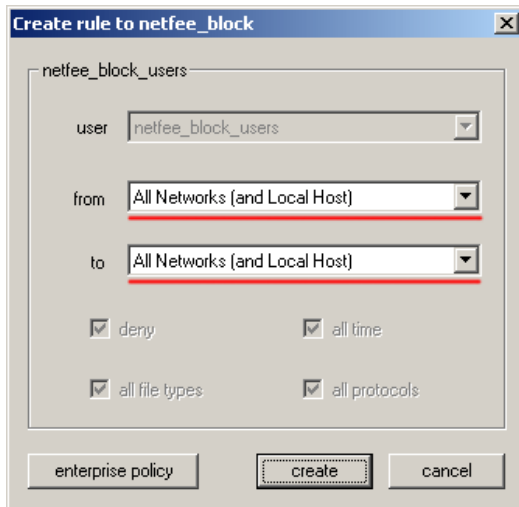
7.1.1 Create user rule

Create "netfee_block_users" rule to ISA server.

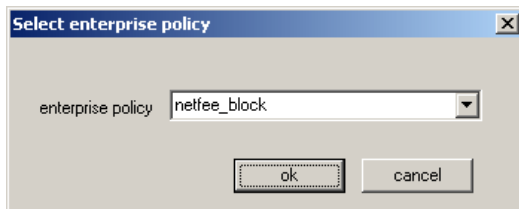
Click "create user rule" button.

Set "from" - "All Networks (and Local Host)".

Set "to" - "All Networks (and Local Host)".



For ISA enterprise server, should click "enterprise policy" button to select "enterprise policy".



Click "create" button to create "netfee_block_users" rule to ISA server.

⊘ "netfee_block_users" must be at the top position of rule list. Refer to "4.2.1 Netfee policy" or "4.3.1 Netfee enterprise policy".

⊘ When running at computer admin mode, can not create this rule. Refer to "7.2 Admin mode".

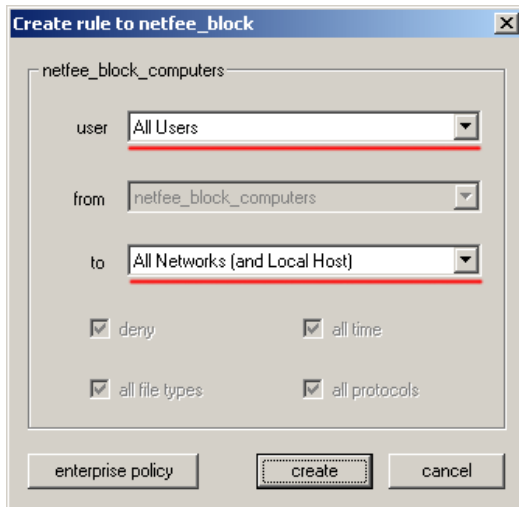
7.1.2 Create computer rule

Create netfee_block_computers rule to ISA server.

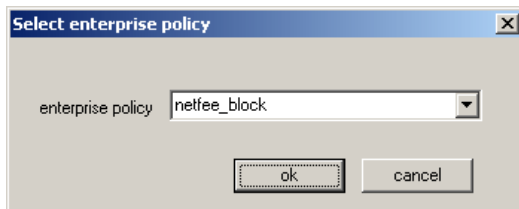
Click "create user rule" button.

Set "user" - "All Users".

Set "to" - "All Networks (and Local Host)".



For ISA enterprise server, should click "enterprise policy" button to select "enterprise policy".

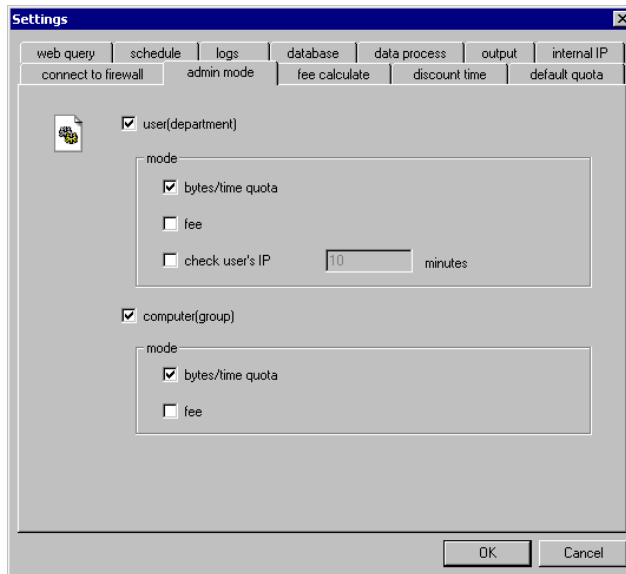


Click "create" button to create "netfee_block_users" rule to ISA server.

⚠ "netfee_block_computers" must be at the top position of rule list. Refer to "4.2.1 Netfee policy" or "4.3.1 Netfee enterprise policy".

7.2 Admin mode

Netfee can run at different modes.



User (Department)

Bytes/Time: Bytes/Time quota mode.

Fee: Fee limit mode.

Check user's IP: Check user's IP at regular interval to realize bounding user with IP address.

Computer (Group)

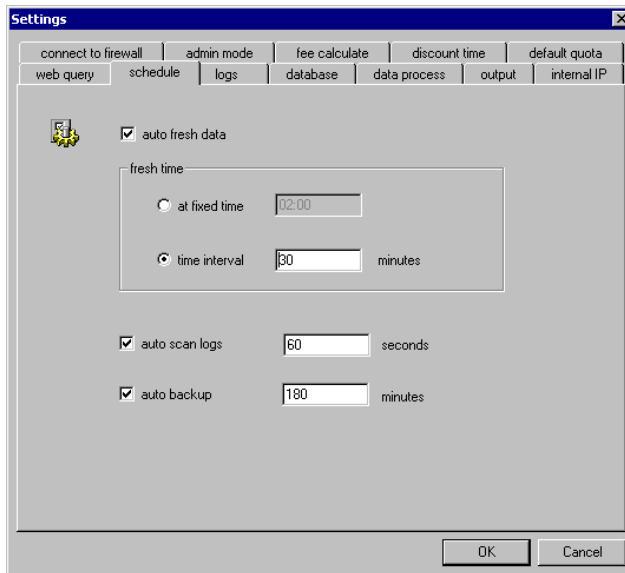
Bytes/Time: Bytes/Time quota mode.

Fee: Fee limit mode.

 When "admin mode" changed, must run "Data process/Re-calculcate" afterwards.

7.3 Schedule

Can run some tasks according to schedule



Auto fresh data

Fresh data on time.

At Fixed time:

Fresh data at the specific time. For example: can let system fresh data at 2:00 am.

Time Interval

Fresh at specific interval. For example: can set system fresh data per 10 minutes.

Auto scan logs:

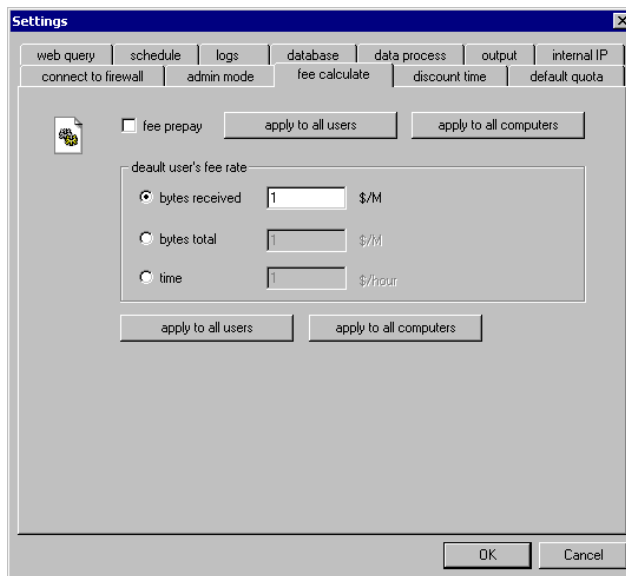
Set the frequency of system scanning data. The default settings is scanning data at every 120 seconds.

Auto Backup user information

Can backup user information automatically.

7.4 Fee calculate E

There are three methods to calculate fee - by "**Bytes received**", by "**Bytes total**" or by "**Time**".



Fee Limit: Select whether to use Fee limit.

Bytes received: Set Fee rate By "bytes received", the unit is "\$/M".

Bytes total: Set Fee rate By "bytes total", the unit is "\$/M".

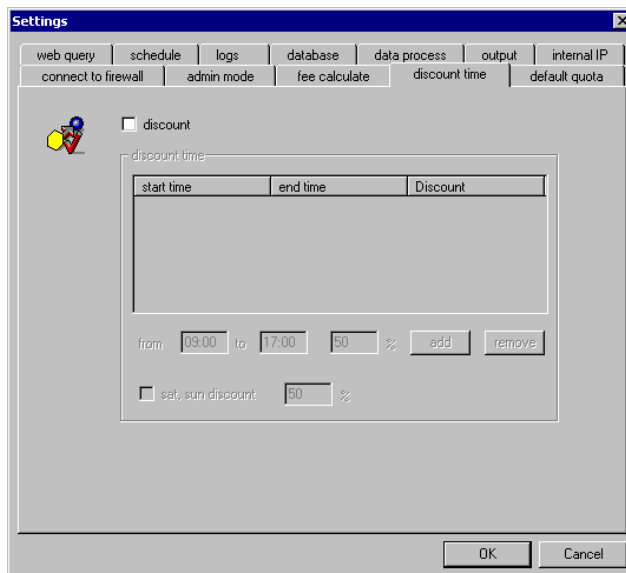
Time: Set Fee rate By "Time", the unit is "\$/ hour".

Apply to all users: Set all users to have the same fee rate.

Apply tp all computers: Set all computers to have the same fee rate.


7.5 Discount time E

Can set discount time to calculate fee.



Discount: Select whether to set discount time.

From ... to ... : The start and end time of discount time and discount rate.

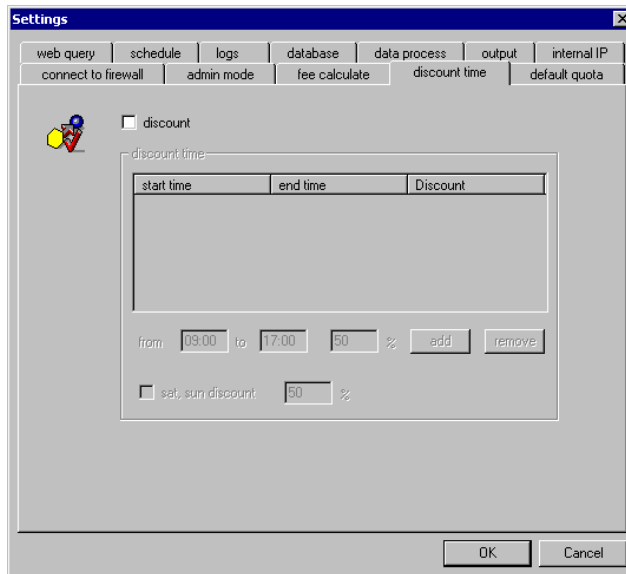
 **Add:** Add discount time.

 **Remove:** Delete discount time.

Sat , Sun discount: Select whether to set discount rate to Saturday, Sunday.

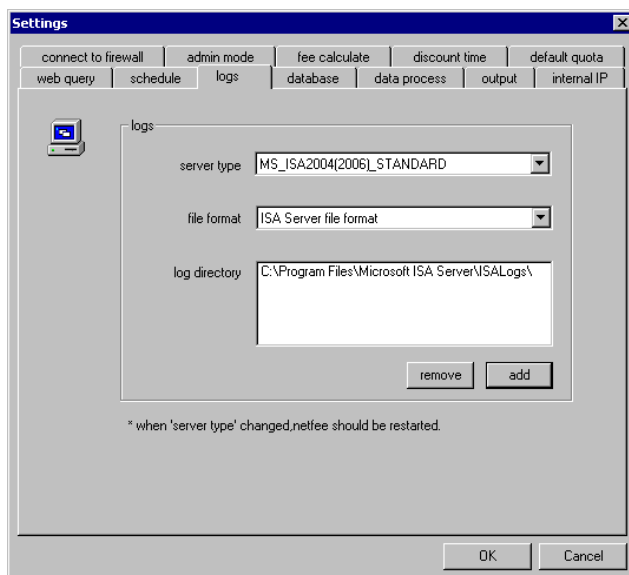
7.6 Web query E

There are four modes of web query: "default", "bytes quota", "time quota", "fee quota", can select which field to be shown.



7.7 Logs

Can modify the log file's format and location.



Server Type:

Select firewall system

File format:

Log File format of firewall system.

Log directory:

Select directory of firewall logs files located.

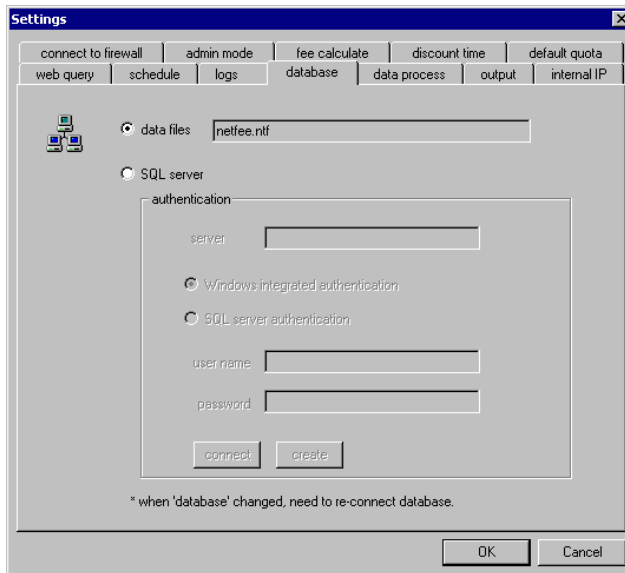
If Netfee is installed on computer which is not running ISA Server, Just share log directory in ISA Server, then add ISA Server and its directory. Such as "\\nstar-firewall\ISALogs".

⊘ Only netfee enterprise edition support multi-directories. **E**

⊘ When "Server type" or "Log directory" changed, netfee should be restarted.

7.8 Database

Settings about database.



⊙ Data file

Save the system data into netfee.ntf file.

⊙ SQL server **E**

If SQL server has been installed, and you want to save data into it, select "SQL server". **If the number of users or computers is more than 100, suggest using Sql server as database.**

Server: the address of SQL server (e.g.192.168.110.1)

⊙ Windows integrated authentication

Using the credentials of the user currently logged on.

⊙ Sql server authentication

Using the credentials of Sql server.

Administrator: name of administrator.

Password: password of administrator.

Create:

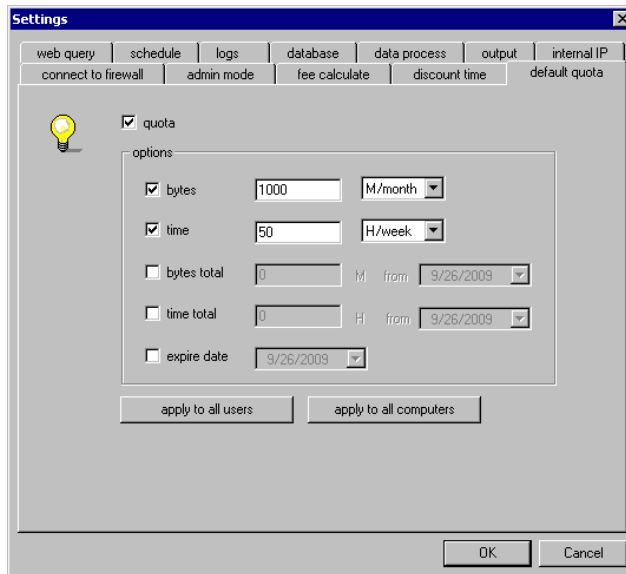
Create database in SQL server.

⊘ The user to create database must have "Create database" priority to the SQL server.

After create database, you can specify another user to connect database.
The user doesn't have to own the "Create database" priority.

7.9 Default quota E

Can set default quota to all users (computers). It includes "Bytes", "Time", "Bytes total", "Time total" and "Expire date".



Apply to all users:

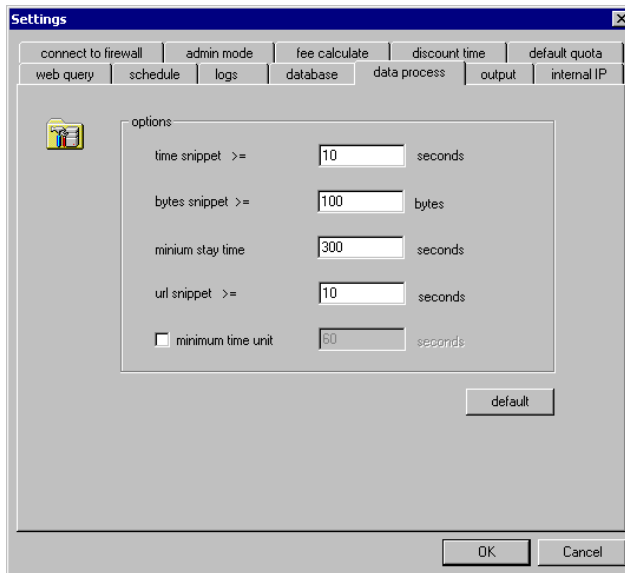
Change quota of all users.

Apply to all computers:

Change quota of all computers.

7.10 Data process

Do some sets to process data.



Time snippet :

Only recorder's time snippet is bigger than this number can be processed.

Bytes snippet:

Only recorder's bytes snippet is bigger than this number can be processed.

Minumum stay time: The minimum time interval to calculate time used.

Url snippet:

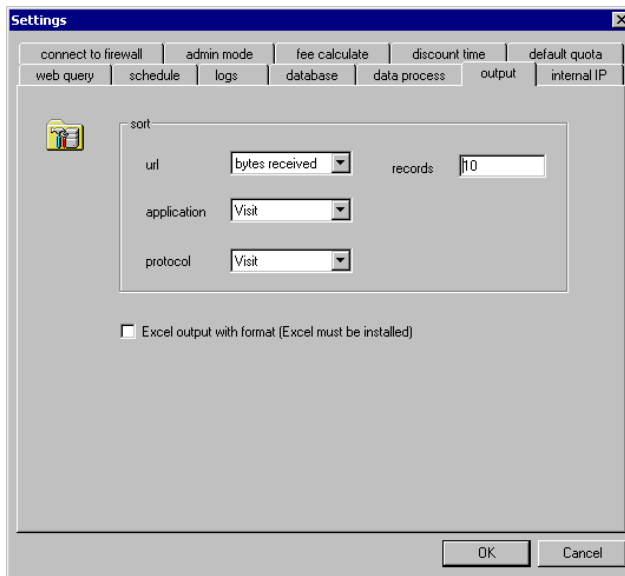
Only recorder's time snippet is bigger than this number can be processed as a url.

minium time unit:

If "minium time unit" set, all analyse results less than "minium time unit" would be calculated as "minium time unit" "

7.11 Output

Settings about output.



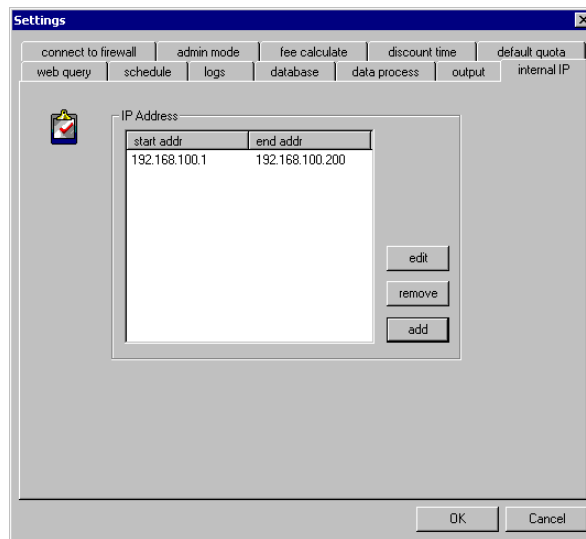
Sort: Can select sort mode of url, application or protocol.

Recorders: Set the max recorders of urls sort.

Excel output with format : The Excel output will have format information. To take effect, Excel must be installed in the computer.

7.12 Internal IP

Can set Internal IP range.



⚠ When the source IP address appears outside IP, you need to set the internal IP range. Otherwise, do not need to set up.

8. User/department Administration

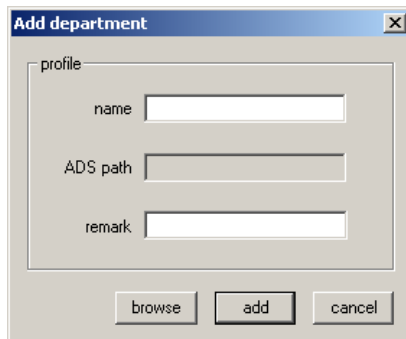
Netfee can admin user through department-user mode. A user belong to department, and department contain some users. Not only can netfee admin each user, but also can admin some users through department.

8.1 Department Administration

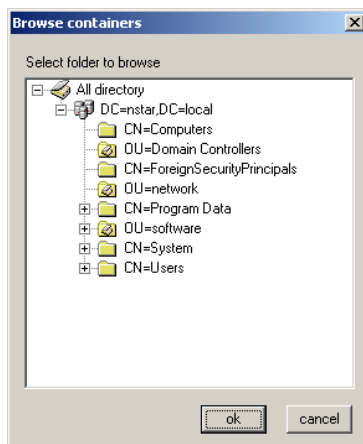
Can divide users into different departments in order to manage and control users easily. In that case, we can limit some users' right through controlling department. And can make different limits for different department: such as Bytes quota, Time quota, Fee limit etc.

8.1.1 Add Department

Can add ou, group or container in AD as department to netfee.
Run "Add department"



Click on "browse" button, select ou, group or container in AD.



Click "browse" button to add department to netfee.

8.1.2 Delete department

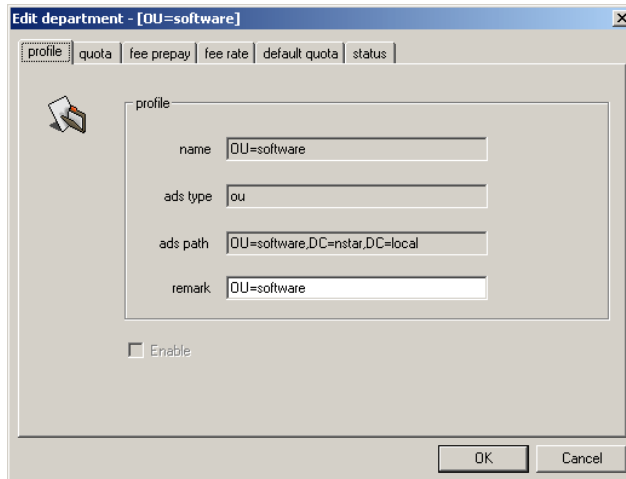
Can delete department.

8.1.3 Edit department

Right-click on the department, can configure it.

8.1.3.1 Profile

Modify department properties including name, remark etc..



Name: Department name.

ADS type: The type of unit in AD as department.

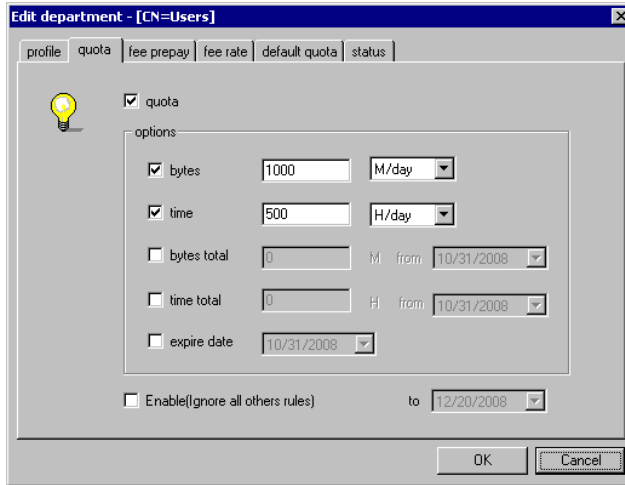
ADS path: The path of unit in AD as department.

Remark: Other information about department

Enable: Sign of department current status

8.1.3.2 Quota E

System can set different quota for different departments. It includes "Bytes", "Time", "Bytes total", "Time total" and "Expire date".



- Quota:** Select whether to use follow six ways to set quota of department.
- Bytes:** Can set quota of department's traffic every month (day, week).
- Time:** Can set quota of department's time to use Internet every month (day, week).
- Bytes Total:** Can set quota of department's total traffic
From: set the start time to calculate department's bytes used.
- Time total:** Can set quota of the total time that department uses.
From: set the start time to calculate department's time used.
- Expire date:** Can set the expired date for department.
- Enable(ignore all above rules):** Can set at a certain time before, department are not limit by above rules.

⊘ And can query information of limit.

Refer to "**11.2.4.13 Bytes/Time Control**".

⊘ If set the quota of department's traffic (or time used) by every day, the option of "Fresh time" should be "**Time Interval**". Refer to "**7.3 Schedule**".

⊘ **For the change to department quota, only after "Fresh data" to take effect.**

8.1.3.3 Fee prepay E

Department can prepay certain fee. system will terminate it's rights if fee runs out.

The screenshot shows a dialog box titled "Edit department - [internet users]" with several tabs: "profile", "quota", "fee prepay", "fee rate", "default quota", and "status". The "fee prepay" tab is active. It contains a checked checkbox labeled "fee prepay" and a table with the following data:

date	fee
2005-03-25	1000.00

Below the table, there are input fields for "date" (set to 3/25/2005) and "fee" (set to 1000), along with a "submit" button. At the bottom of the dialog are "OK" and "Cancel" buttons.

Fee Limit: Select whether to use Fee limit.

Date: The date Fee added.

Fee: Fee to be added

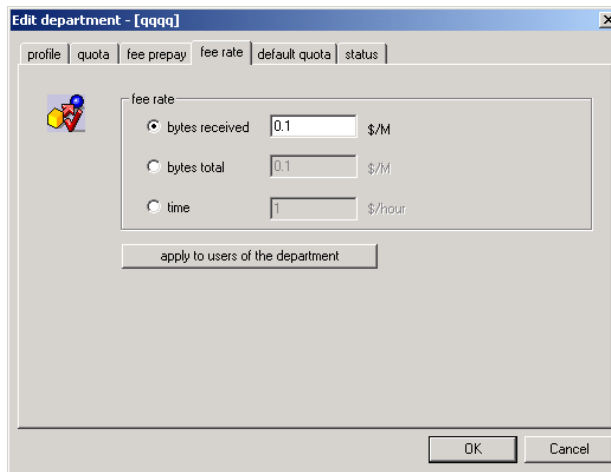
 **Submit:** Add fee

⊘ And can query information of fee limit. Refer to "**11.2.4.14 Fee control**".

⊘ **For the change to fee quota, only after "Fresh data" to take effect.**

8.1.3.4 Fee rate E

Can calculate fee by "Bytes received", "Bytes total" or "Time".



Ⓒ **Bytes received:** Calculate fee by received Bytes.

Ⓒ **Bytes total:** Calculate fee by total Bytes.

$\text{Bytes total} = \text{Bytes received} + \text{Bytes sent}.$

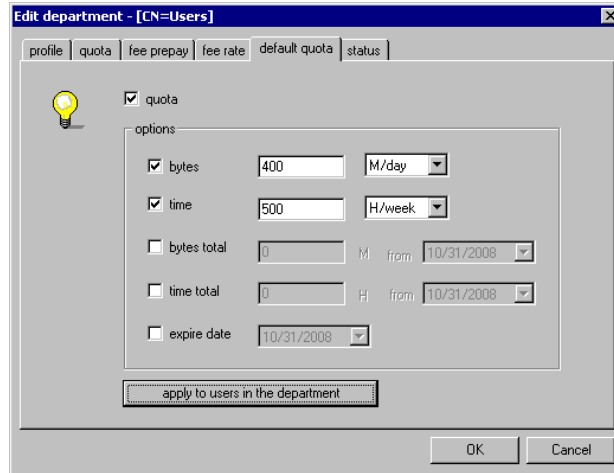
Ⓒ **Time:** Calculate fee by time.

Ⓒ **Apply to user of the department**

Can modify fee rate of all users in a department by default fee rate.

8.1.3.5 Default quota E

System can set default quota for users in a department. It includes "Bytes", "Time", "Bytes total", "Time total" and "Expire date".



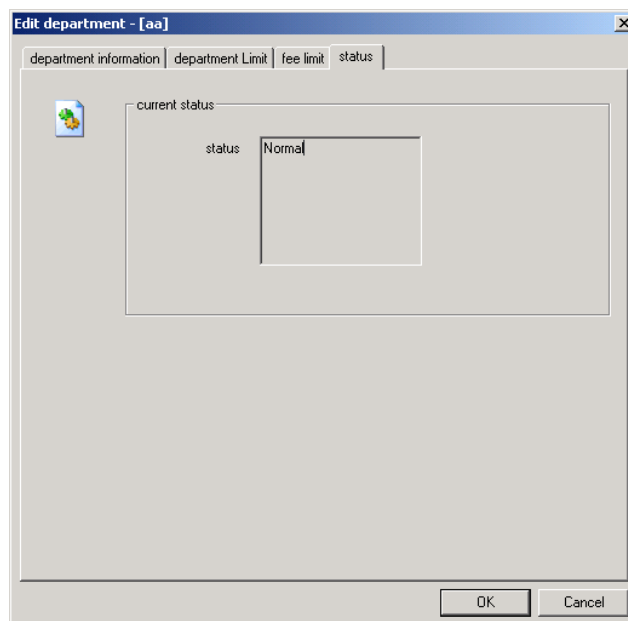
Apply to user of the department

Can modify quota of all users in a department by default quota.

⊘ **For the change to default quota, only after "Fresh data" to take effect.**

8.1.3.6 Department status

Can show the recent department status



Status: Sign of recent department status

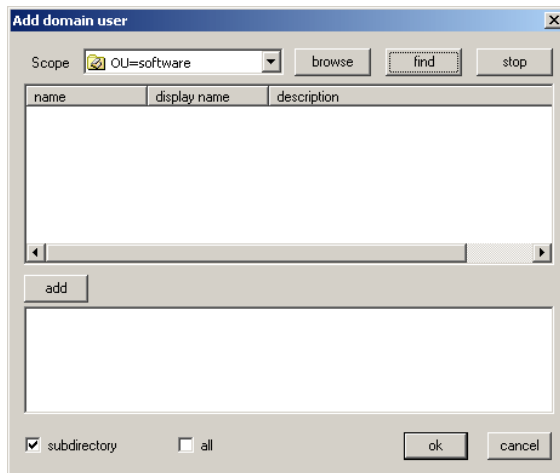
8.2 User Administration

Can add, delete and set user. And can make different limitations for special users: such as Bytes, Time, Fee, and IP bound etc. When offended any limitations, system will terminate users' authorization automatically.

8.2.1 Add user

Can add domain users into netfee.

Select a department, then run "add user". If the department is a unit in AD, system will find it automatically. Run "find" to find users in it. If the department is not a unit in AD, system will position at root directory. Run "find" to find users in all AD.

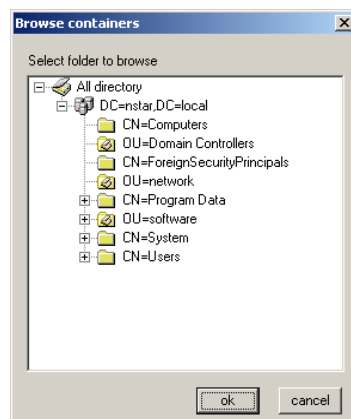


subdirectory:

Find users in directory contain all sbbdirectory.

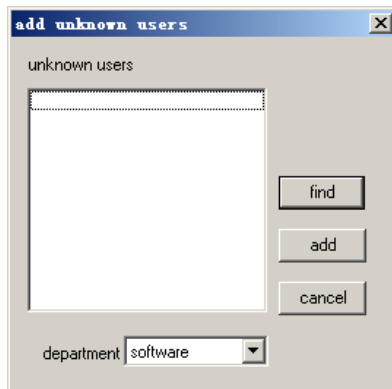
all: Find all users (contain users that has been added to netfee).

browse: Re-position in AD.



8.2.2 Add unknown user

After processing data, the system can detect some users existed. and can find these users and add them to system.



Unknown user:

The user has been detected by Netfee, but not has been added to Netfee user list.

Department: The department that the user belong to.

🔍 **Find:** Search the users that have not been added to Netfee.

➕ **Add:** Add the user to system.

8.2.3 Delete user

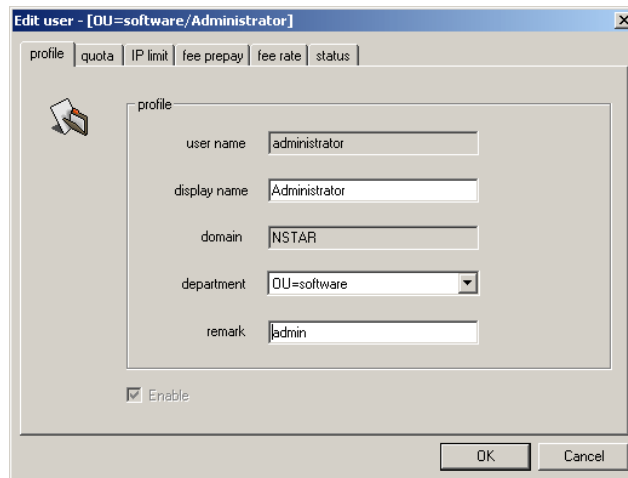
Delete user.

8.2.4 Edit user

Edit some properties of users.

8.2.4.1 Profile

Can set user's information, including user's name, display name, domain name, department, remark and so on.



The screenshot shows a dialog box titled "Edit user - [OU=software/Administrator]". It has several tabs: "profile", "quota", "IP limit", "fee prepay", "fee rate", and "status". The "profile" tab is selected. Inside the dialog, there are several input fields: "user name" with the value "administrator", "display name" with "Administrator", "domain" with "NSTAR", "department" with a dropdown menu showing "OU=software", and "remark" with "admin". At the bottom left, there is a checked checkbox labeled "Enable". At the bottom right, there are "OK" and "Cancel" buttons.

User name: The name used to login.

Display name: The full name is alias of a user.

Domain: The domain that user belongs to

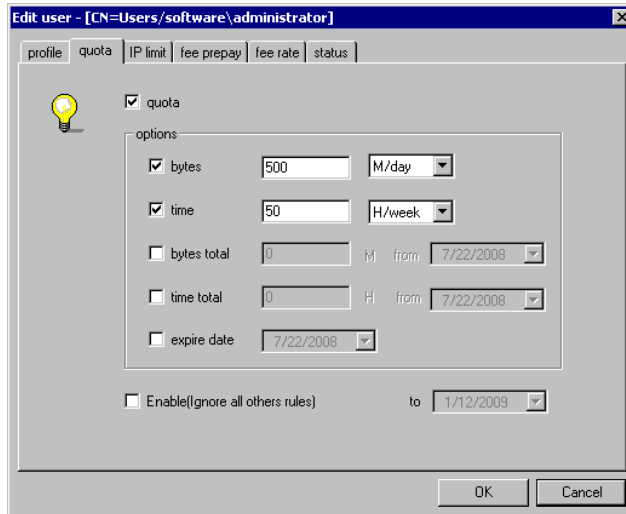
Department: The department that user belong to.

Remark: Can add user's other information.


Enable: Sign of the user status.

8.2.4.2 Quota


System can set different quota for specified users: such as "Bytes ", "Time", "Bytes total ", "Time total " and "Expire date ".



- Quota:** Select whether to use follow six ways to set quota of user.
- Bytes:** Can set quota of user's traffic every month (day, week).
- Time:** Can set quota of user's time to use Internet every month (day, week).
- Bytes Total:** Can set quota of user's total traffic
From: set the start time to calculate user's bytes used.
- Time total:** Can set quota of the total time that user uses.
From: set the start time to calculate user's time used.
- Expire date:** Can set the expired date for user.
- Enable(ignore all above rules):** Can set at a certain time before, user are not limit by above rules.

 And can query information of limit.

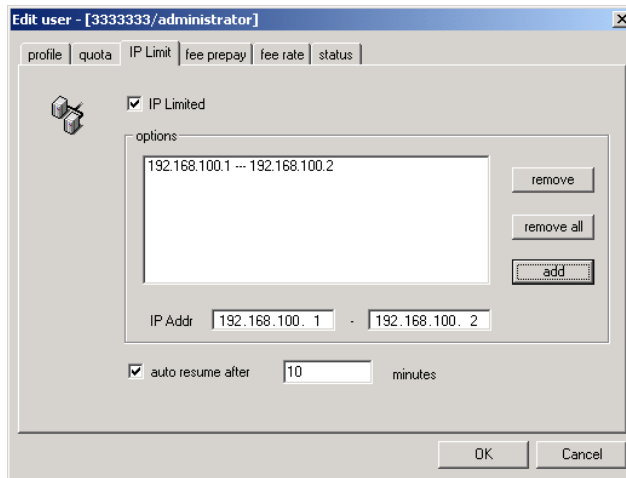
Refer to "**11.2.4.13 Bytes/Time Control**".

 If set the quota of user's traffic (or time used) by every day, the option of "Fresh time" should be "Time Interval". Refer to "**7.3 Schedule**".

 **For change to user quota, only after "Fresh data" to take effect.**

8.2.4.3 IP Limit E

Can restrict users to use specific IP address.




IP limited: Restrict user to use some specific IP address

IP addr: Set the IP sets added to the Limited IP list.


Automatically resume

When this option is selected, If user's authorization is terminated for using illegal IP address, System will regain his authorization in fixed period (e.g. n minutes) automatically. Otherwise, it cannot be resumed automatically.

 **Add:** Add limited IP sets to the Limited IP list.

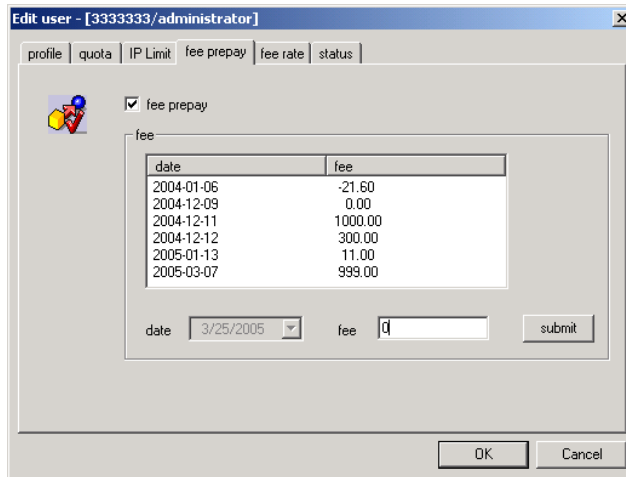
 **Remove:** Delete limited IP sets from the Limited IP list.

 **Remove all:** Delete all the limited IP sets.

 The precondition of the function taking effect is that system must Check user's IP at regular interval. Refer to "**7.3 Schedule**".

8.2.4.4 Fee prepay E

User can prepay certain fee. system will terminate it's rights if fee runs out.



Fee Limit: Select whether to use Fee limit.

Date: The date Fee added.

Fee: Fee to be added

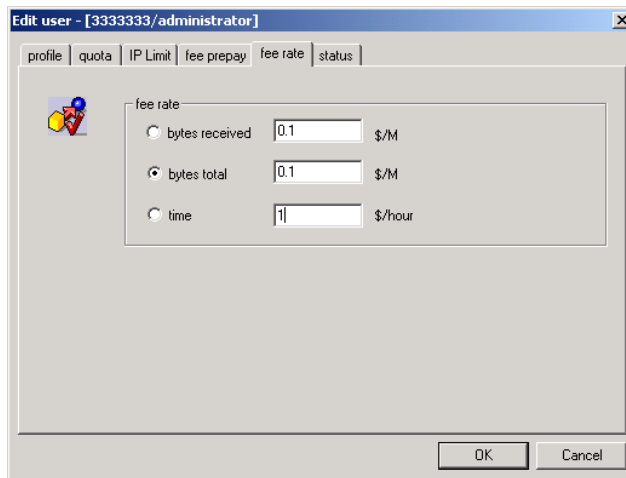
 **Submit:** Add fee

⊘ And can query information of fee limit. Refer to "**11.2.4.14 Fee control**".

⊘ **For the change to fee quota, only after "Fresh data" to take effect.**

8.2.4.5 Fee rate

Can calculate fee by "**Bytes received**", "**Bytes total**" or "**Time**".



fee rate

bytes received 0.1 \$/M

bytes total 0.1 \$/M

time 1 \$/hour

OK Cancel

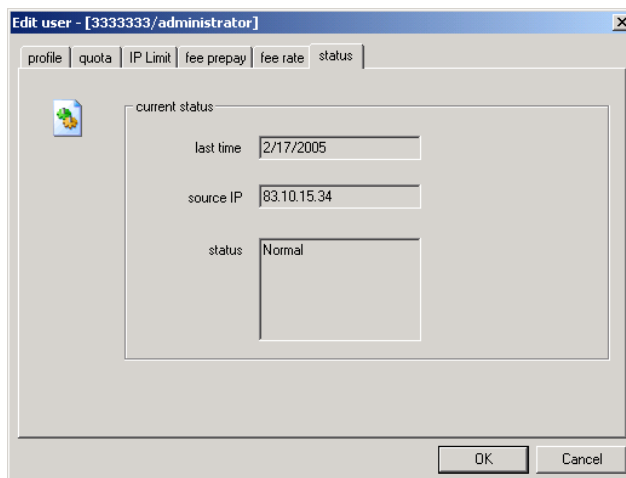
Bytes received: Calculate fee by received Bytes.

Bytes total: Calculate fee by total Bytes.

Time: Calculate fee by time.

8.2.4.6 Status

Display user's recent status



current status

last time 2/17/2005

source IP 83.10.15.34

status Normal

OK Cancel

Last time: Display the last time the user surf at internet.

IP used: Display user's latest IP address used.

User status: Display user's recent status.

9. Computer/Group Administration

Netfee can admin computer through group-computer mode. A computer belongs to group, and group contains some computers. Not only you can admin each computer, but also can admin some computers through group.

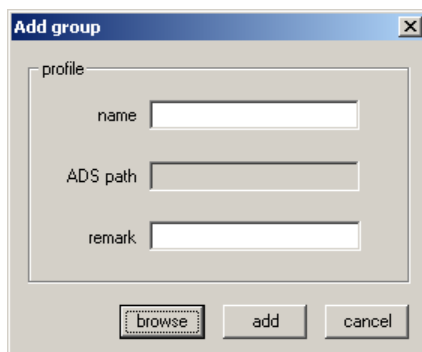
9.1 Group Administration

Can divide groups into different groups in order to manage and control computers easily. And you can make different limitations for special group: such as Bytes, Time, Fee etc. When offended any limitations, system can terminate group's authorization automatically.

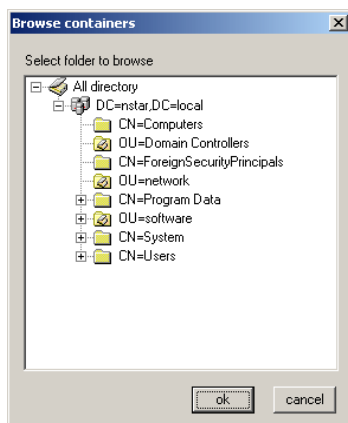
9.1.1 Add Group

Can add ou, group or container in AD as group.

Run "Add group"



Click on "browse" button, select ou, group or container in AD.



Click "browse" button to add group to netfee.

9.1.2 Delete Group

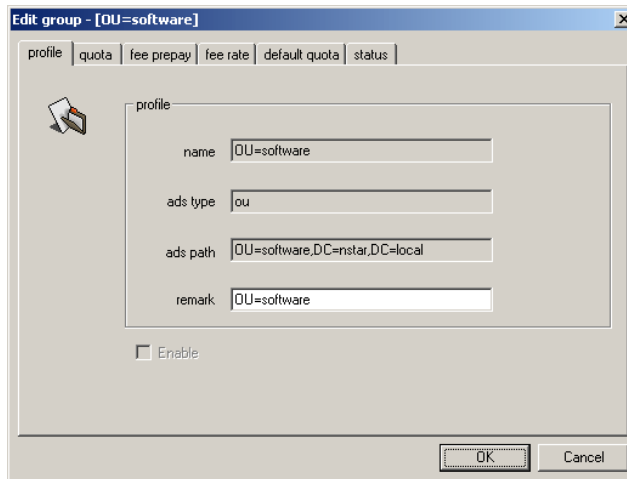
Can delete group

9.1.3 Edit Group

Right-click on the group, you can configure it.

9.1.3.1 Profile

Modify group properties including name and Remark etc.



Name: group name.

ADS type: The type of unit in AD as group.

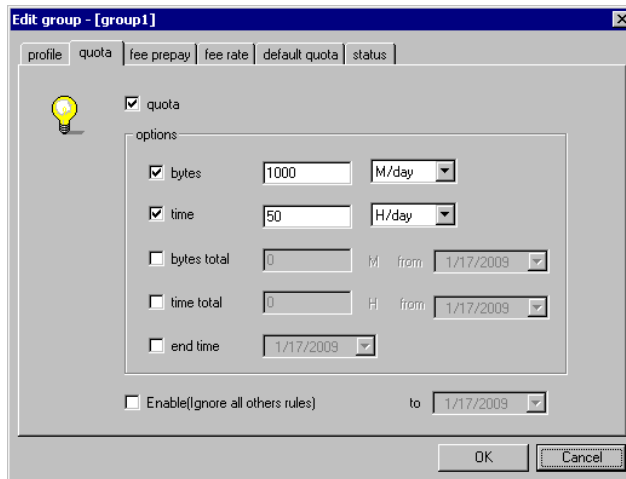
ADS path: The path of unit in AD as group.

Remark: Can set other information about group.

Enable: Sign of group current status.

9.1.3.2 Quota E

Can set different quota for different groups. It includes "Bytes", "Time", "Bytes total ", "Time total" and "Expire date".



- Quota:** Select whether to use follow six ways to set quota of groups.
- Bytes:** Can set quota of group's traffic every month (day, week).
- Time:** Can set quota of group's time to use Internet every month (day, week).
- Bytes Total:** Can set quota of group's total traffic
From: set the start time to calculate computer's bytes used.
- Time total:** Can set quota of the total time that group uses.
From: set the start time to calculate group's time used.
- Expire date:** Can set the expired date for group.
- Enable(ignore all above rules):** Can set at a certain time before, group are not limit by above rules.

⊘ And can query information of limit.

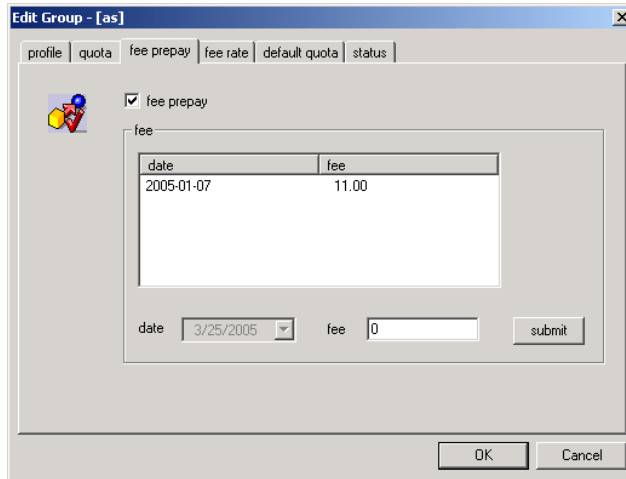
Refer to "**11.2.4.13 Bytes/Time Control**".

⊘ If set the quota of group's traffic (or time used) by every day, the option of "Fresh time" should be "Time Interval". Refer to "**7.3 Schedule**".

⊘ **For the change to group quota, only after "Fresh data" to take effect.**

9.1.3.3 Fee prepay E


Group can prepay certain fee. system will terminate it's rights if fee runs out.



Fee Limit: Select whether to use Fee limit.

Date: The date Fee added.

Fee: Fee to be added

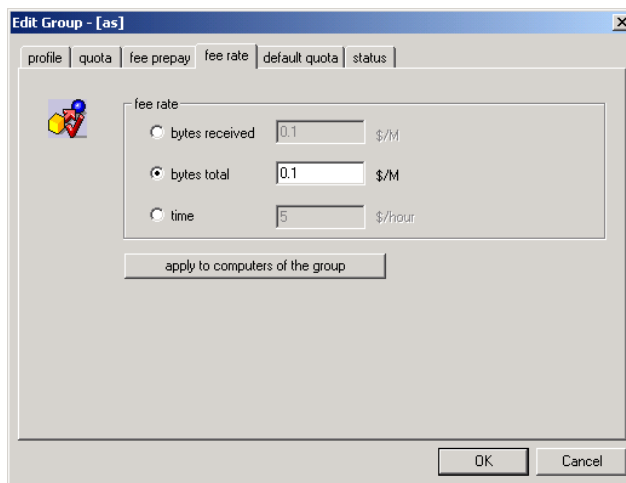
 **Submit:** Added fee.

⊘ And can query information of fee limit. Refer to "**11.2.4.14 Fee control**".

⊘ **For the change to fee quota, only after "Fresh data" to take effect.**

9.1.3.4 Fee rate E

Can calculate fee by "**Bytes received**", "**Bytes total**" or "**Time**" (used).



Bytes received: calculate fee by received Bytes.

Bytes total: calculate fee by total Bytes.

Bytes total = Bytes received + Bytes sent.

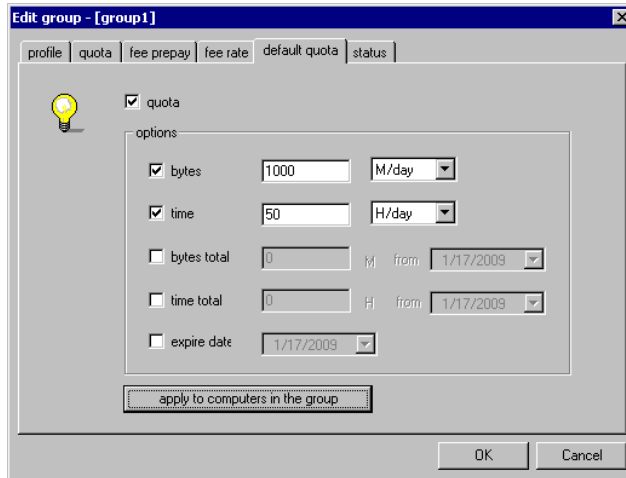
Time: calculate fee by time.

Apply to user of the Group

Can modify fee rate of all computers in the group by default fee rate.

9.1.3.5 Default quota E

Can set default quota for users in a group. It contains "Bytes", "Time", "Bytes total ", "Time total" and "Expire date".



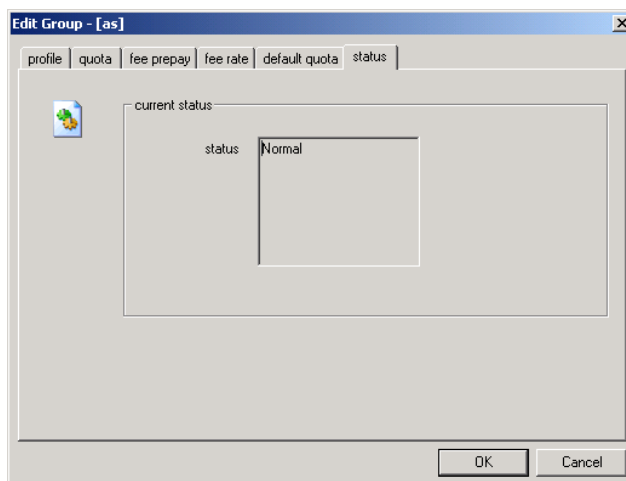
Apply to user of the group

Can modify quota of all users in a group by the default quota.

⊘ **For the change to default quota, only after "Fresh data" to take effect.**

9.1.3.6 Status

Display group's recent status



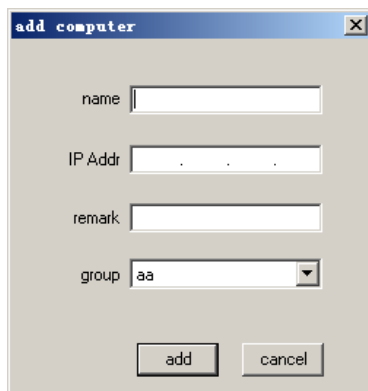
Status: Sign of recent group status

9.2 Computer Administration

Can add, delete and edit computer. And can make different limitations for special computers: such as Bytes, Time, Fee, and IP bound etc. When offended any limitations, system can terminate computers' authorization automatically.

9.2.1 Add Computer

Add computer to system.



The screenshot shows a dialog box titled "add computer". It contains the following fields and controls:

- name:** A text input field.
- IP Addr:** A text input field with a dotted pattern, indicating an IP address.
- remark:** A text input field.
- group:** A dropdown menu with "aa" selected.
- Buttons:** "add" and "cancel" buttons at the bottom.

name: computer's name.

IP addr: computer's IP address.

Remark: computer's other information.

Group: computers belong to the group.

9.2.2 Add unknown computer

After processing data, the system can detect some computers existed. and can find these computers and add them to system.



Unknown comuter:

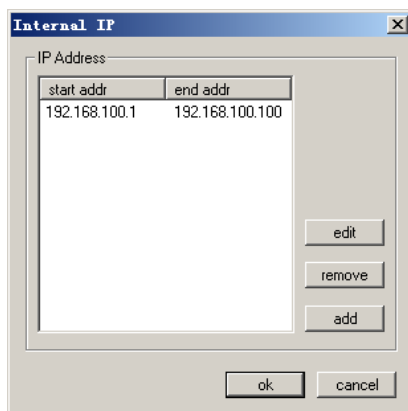
The computer has been detected by Netfee, but not has been added to Netfee computer list.

Group: The group the computer belongs to.

🔍 **Find:** Search the computers that have not been added to Netfee user list.

🔍 **Add:** Add computer.

🔍 **Filter:** Can filter some external IP when find unknown computers.



9.2.3 Delete computer

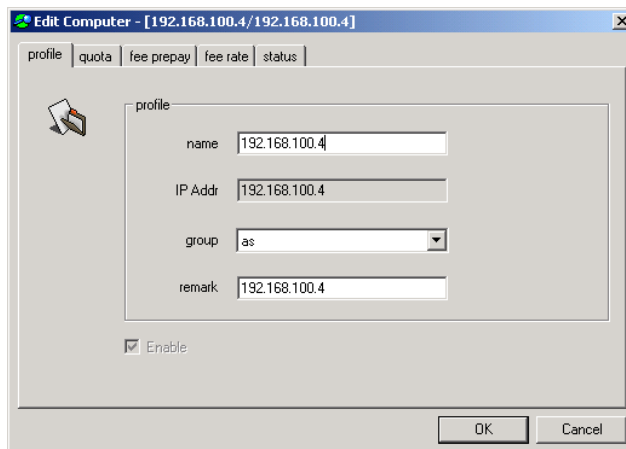
Can delete computer.

9.2.4 Edit computer

Can set some properties of computer.

9.2.4.1 Profile

Can set computer information including name, IP address, group, remark and so on.



The screenshot shows a window titled "Edit Computer - [192.168.100.4/192.168.100.4]". It has a tabbed interface with tabs for "profile", "quota", "fee prepay", "fee rate", and "status". The "profile" tab is selected. Inside the "profile" tab, there are four input fields: "name" (192.168.100.4), "IP Addr" (192.168.100.4), "group" (a dropdown menu with "as" selected), and "remark" (192.168.100.4). Below these fields is a checked checkbox labeled "Enable". At the bottom right are "OK" and "Cancel" buttons.

name: computer's name.

IP addr: computer's IP address.

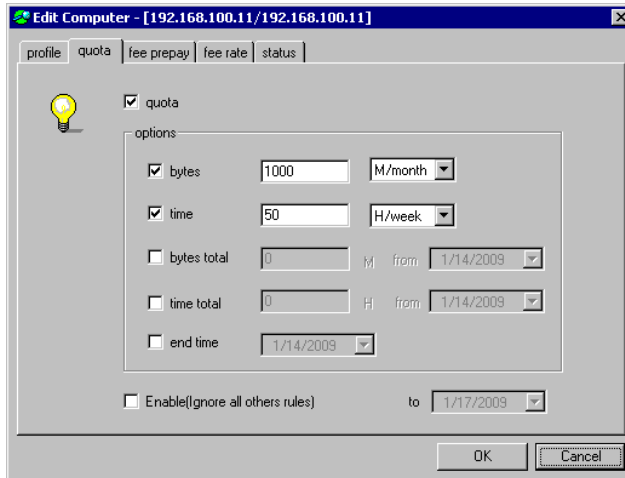
Group: The group that computer belong to.

Remark: computer's other information.

Enable: Sign of the computer status.

9.2.4.2 Quota E

System can set different quota for different computers. It includes "Bytes", "Time", "Bytes total", "Time total" and "Expire date".



- Quota:** Select whether to use follow six ways to set quota of computers.
- Bytes:** Can set quota of computer's traffic every month (day, week).
- Time:** Can set quota of computer's time to use Internet every month (day, week).
- Bytes Total:** Can set quota of computer's total traffic
From: set the start time to calculate computer's bytes used.
- Time total:** Can set quota of the total time that computer uses.
From: set the start time to calculate computer's time used.
- Expire date:** Can set the expired date for computer.
- Enable(ignore all above rules):** Can set at a certain time before, computer are not limit by above rules.

⊘ And can query information of limit.

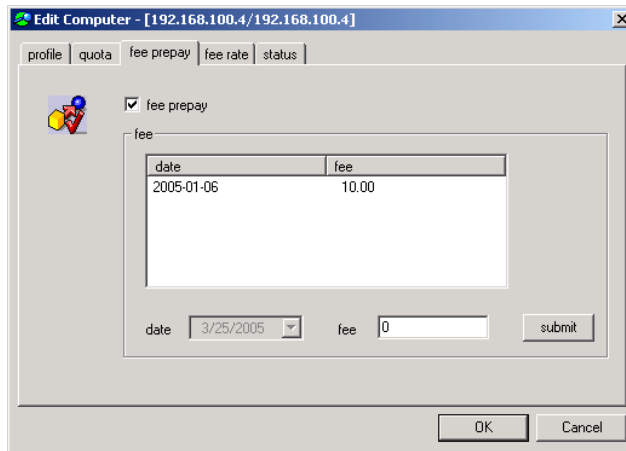
Refer to "**11.2.4.13 Bytes/Time Control**".

⊘ If set the quota of computer's traffic (or time used) by every day, the option of "Fresh time" should be "**Time Interval**". Refer to "**7.3 Schedule**".

⊘ **For the change to computer quota, only after "Fresh data" to take effect.**

9.2.4.3 Fee prepay E

User can prepay certain fee. system will terminate it's rights if fee runs out.



Fee Limit: Select whether to use Fee limit.

Date: The date Fee added.

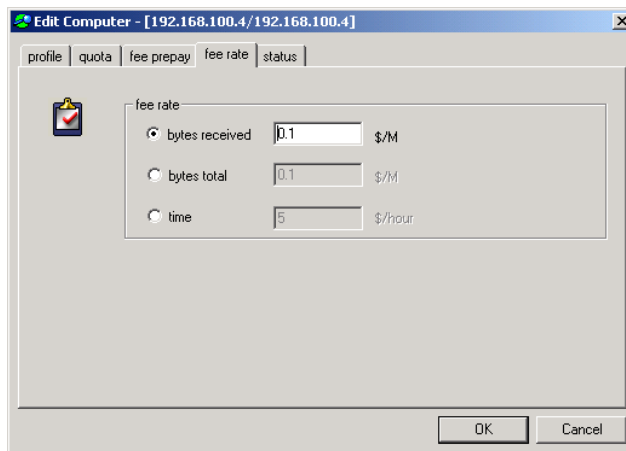
Fee: Fee to be added

Submit: Added fee.

⊘ And can query information of fee limit. Refer to "**11.2.4.14 ee control**".

9.2.4.4 Fee rate E

Can calculate fee by "Bytes received", "Bytes total" or "Time".



☉ **Bytes received:** calculate fee by received Bytes.

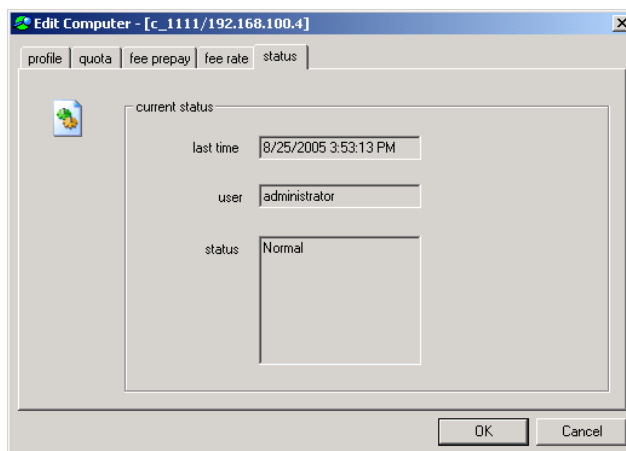
☉ **Bytes total:** calculate fee by total Bytes.

Bytes total = Bytes received + Bytes sent.

☉ **Time:** calculate fee by time.

9.2.4.5 Status

Display computer's recent status



Last time: show the last time the computer surf at internet.

User: show the last user who visits Internet from the computer.

Status: show computer's recent status.

10. Others administration

Not only Netfee can admin by user/computer, but also can admin by "Application", "Protocol", "Port", "File type" and "Dest addr".

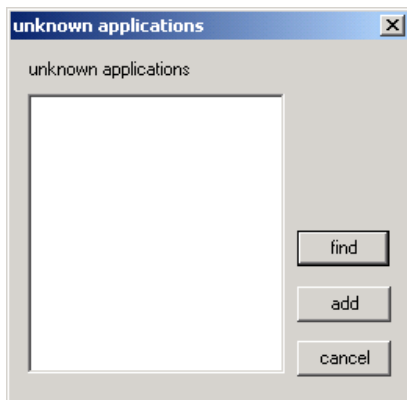
10.1 Application Administration

10.1.1 Add Application

Add application detected by netfee.

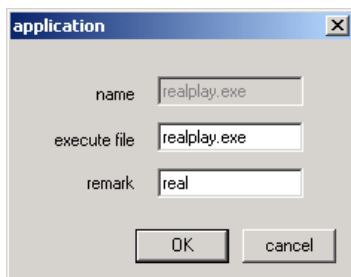
10.1.2 Add unknown Application

After processing data, system can detect some applications existed. Then can find these applications and add them to system.



10.1.3 Edit Application

Can modify application's property.



10.1.4 Delete Application

Can delete an application.

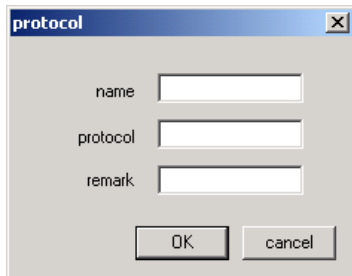
10.1.5 Delete all Applications

Can delete all applications from system once time.

10.2 Protocol Administration

10.2.1 Add Protocol

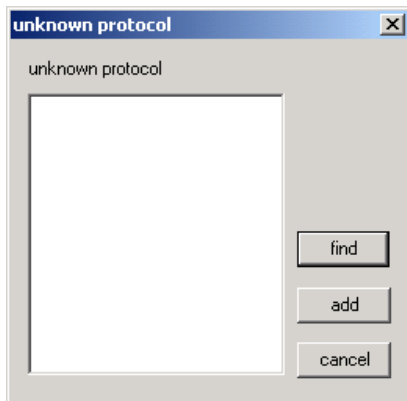
Add protocol detected by netfee.



The screenshot shows a dialog box titled "protocol" with a close button (X) in the top right corner. It contains three text input fields labeled "name", "protocol", and "remark". At the bottom of the dialog are two buttons: "OK" and "cancel".

10.2.2 Add unknown Protocol

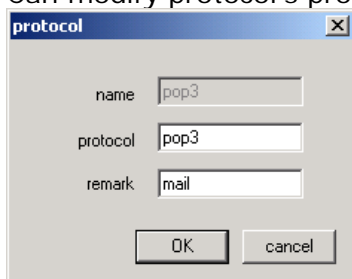
After processing data, system can detect some protocols existed. Then can find these protocols and add them to system.



The screenshot shows a dialog box titled "unknown protocol" with a close button (X) in the top right corner. It contains a large empty rectangular area for a list. To the right of this area are three buttons: "find", "add", and "cancel".

10.2.3 Edit Protocol

Can modify protocol's property.



The screenshot shows the "protocol" dialog box with the following values entered in the fields: "name" is "pop3", "protocol" is "pop3", and "remark" is "mail". The "OK" and "cancel" buttons are visible at the bottom.

10.2.4 Delete Protocol

Can delete protocol from system.

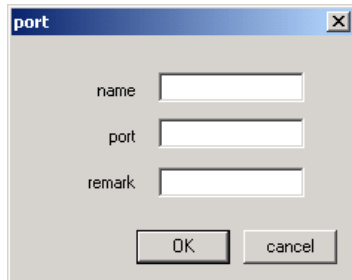
10.2.5 Delete all Protocols

Can delete all protocols from system one time.

10.3 Port Administration

10.3.1 Add Port

Add port detected by netfee.



The screenshot shows a dialog box titled "port" with a close button (X) in the top right corner. It contains three text input fields: "name", "port", and "remark". Below the fields are two buttons: "OK" and "cancel".

10.3.2 Add unknown Port

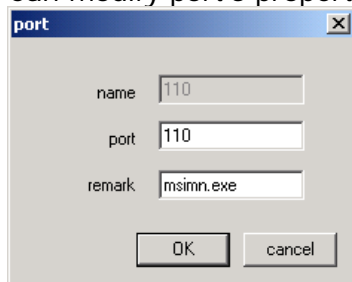
After processing data, system can detect some ports existed. Then can find these ports and add them to system.



The screenshot shows a dialog box titled "unknown port" with a close button (X) in the top right corner. It contains a large empty rectangular area. To the right of this area are three buttons: "find", "add", and "cancel".

10.3.3 Edit Port

Can modify port's property.



The screenshot shows a dialog box titled "port" with a close button (X) in the top right corner. It contains three text input fields: "name" with the value "110", "port" with the value "110", and "remark" with the value "msimn.exe". Below the fields are two buttons: "OK" and "cancel".

10.3.4 Delete Port

Can delete port from system.

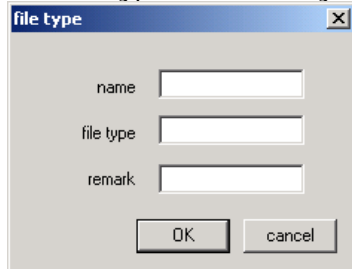
10.3.5 Delete all Ports

Can delete all ports from system one time.

10.4 FileType Administration

10.4.1 Add FileType

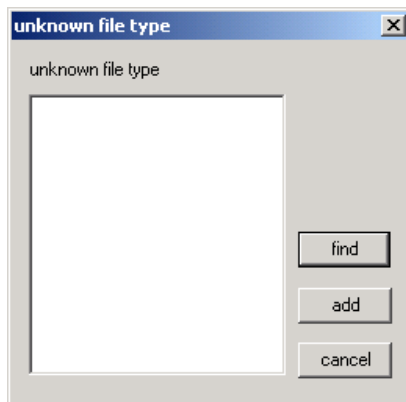
Add filetype detected by netfee.



The screenshot shows a dialog box titled "file type" with a close button (X) in the top right corner. It contains three text input fields: "name", "file type", and "remark". Below the fields are two buttons: "OK" and "cancel".

10.4.2 Add unknown FileType

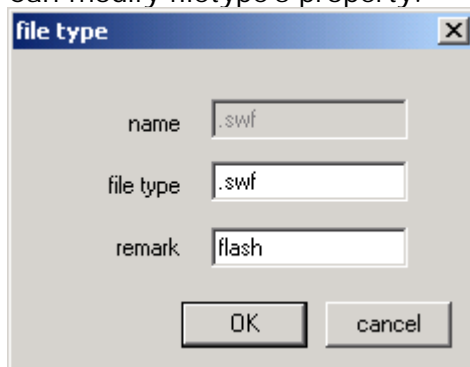
After processing data, system can detect some filetypes existed. Then can find these filetypes and add them to system.



The screenshot shows a dialog box titled "unknown file type" with a close button (X) in the top right corner. It contains a large empty rectangular area for displaying detected filetypes. To the right of this area are three buttons: "find", "add", and "cancel".

10.4.3 Edit FileType

Can modify filetype's property.



The screenshot shows a dialog box titled "file type" with a close button (X) in the top right corner. It contains three text input fields: "name" with ".swf", "file type" with ".swf", and "remark" with "flash". Below the fields are two buttons: "OK" and "cancel".

10.4.4 Delete FileType

Can delete filetype from system.

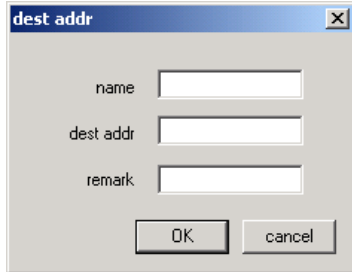
10.4.5 Delete all FileTypes

Can delete all filetypes from system one time.

10.5 Dest addr Administration

10.5.1 Add Dest addr

Add dest_addr detected by netfee.



The screenshot shows a dialog box titled "dest addr" with a close button (X) in the top right corner. It contains three text input fields: "name", "dest addr", and "remark". Below the fields are two buttons: "OK" and "cancel".

10.5.2 Add unknown Dest addr

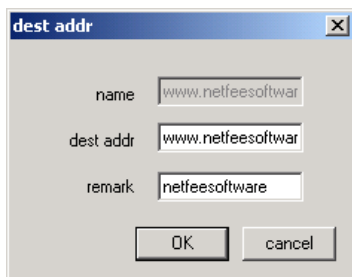
After processing data, system can detect some dest_addrs existed. Then can find these dest_addrs and add them to system.



The screenshot shows a dialog box titled "unknown addr" with a close button (X) in the top right corner. It contains a large empty rectangular area for displaying found addresses. To the right of this area are three buttons: "find", "add", and "cancel".

10.5.3 Edit Dest addr

Can modify dest_addr's property.



The screenshot shows a dialog box titled "dest addr" with a close button (X) in the top right corner. It contains three text input fields: "name" (containing "www.netfeesoftwar"), "dest addr" (containing "www.netfeesoftwar"), and "remark" (containing "netfeesoftware"). Below the fields are two buttons: "OK" and "cancel".

10.5.4 Delete Dest addr

Can delete dest_addr from system.

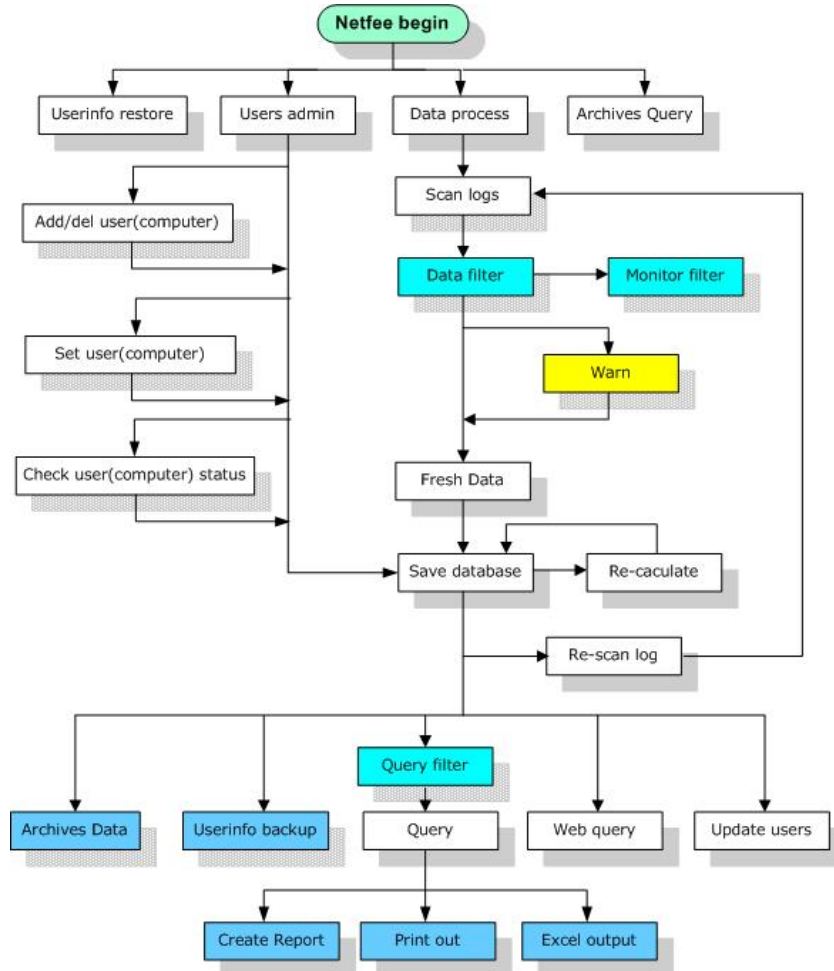
10.5.5 Delete all Dest addrs

Can delete all dest_addrs from system one time.

11. Functions of NetFee

The system include functions: "Process Data", "Query information", "Real-time information", "Warn", "Web Query", "Data archive", "Backup user information" and "Report output".

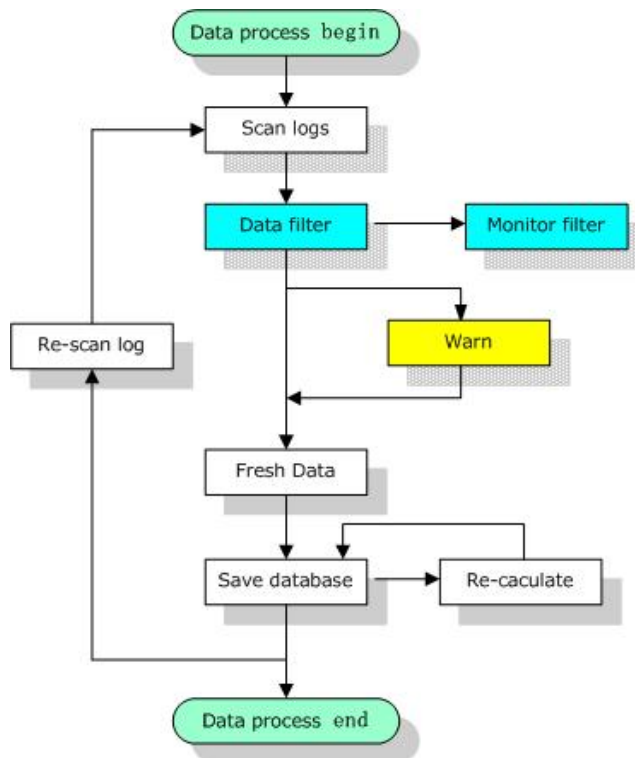
Work flows chart:



11.1 Data Process

Data process include: "Scan log", "Data Filter", "Warn", "Fresh Data", "Re-scan log" and "Re-calculate".

The work flow is as follow:



11.1.1 Scan logs

System scan logs every 180 seconds in default state. Refer to "7.3 Schedule".

When system is scanning log, the progress is shown at "realtime pane".

file name	size M	progress rate	
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	4.93	Complete	
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	5.24	Complete	

traffic \ url trace \ block requests \ file transfer \ warning \ scanning files \ output \

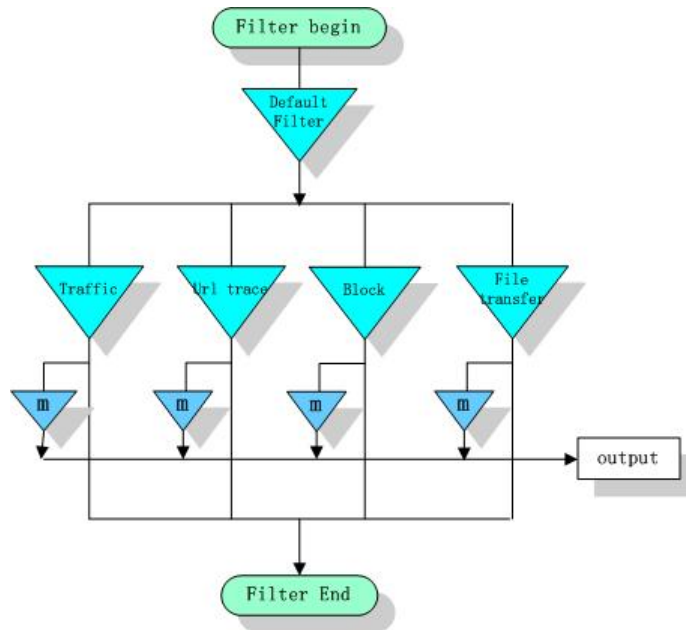
11.1.2 Data Filter P

You can modify data filter to specify some kind of data be processed.

The data filter include five kinds of filter: "Default", "Traffic", "Url trace", "Block", "File transfer".

⊘ Data filter's rule writing can ref to "11.3 Rule specifications".

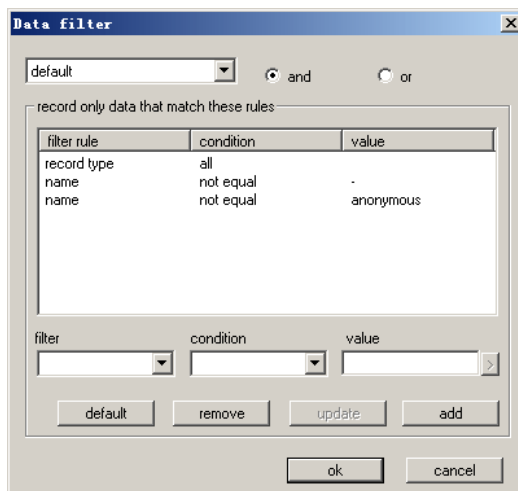
The relation among these data filters is as follow:



11.1.2.1 Default filter

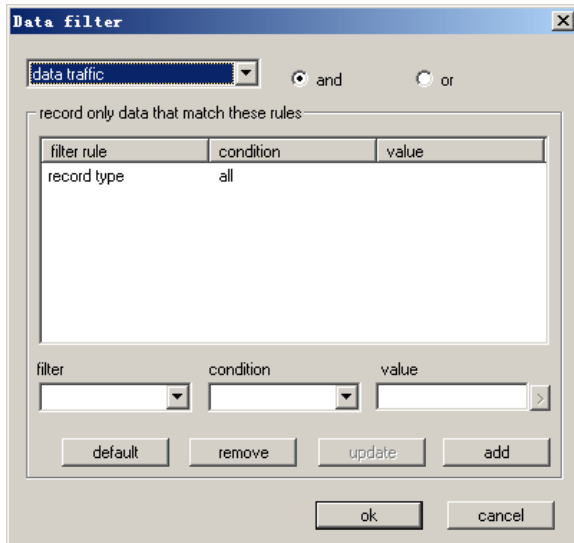
The filter is a default choice to all others filter.

For example: if there is a rule "name not equal anonymous" in "Default" filter, then all others filter own this rule by default.



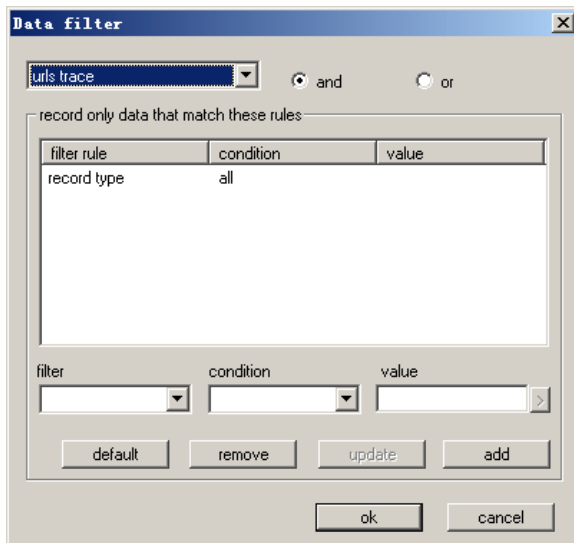
11.1.2.2 Data traffic filter

Specify what kind of data can be calculated as traffic.



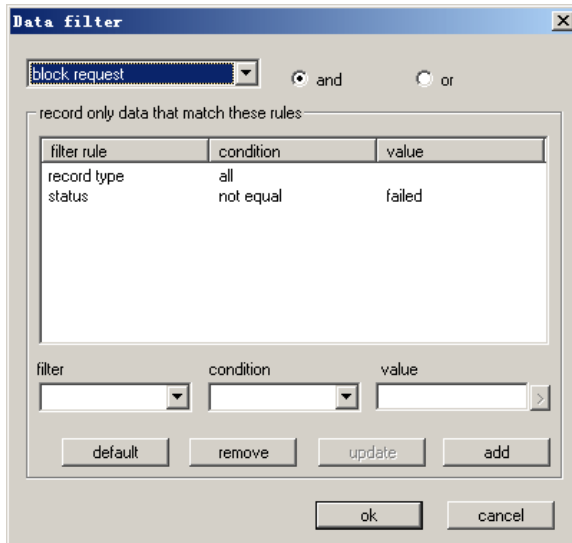
11.1.2.3 Url trace filter

Specify what kind of data can be recorded as url.



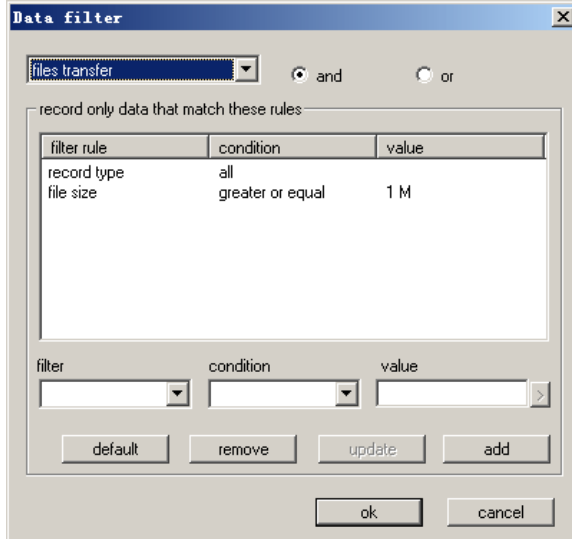
11.1.2.4 Block request filter

Specify what kind of data can be recorded as block request.



11.1.2.5 File transfer filter

Specify what kind of data can be recorded as file transferred.

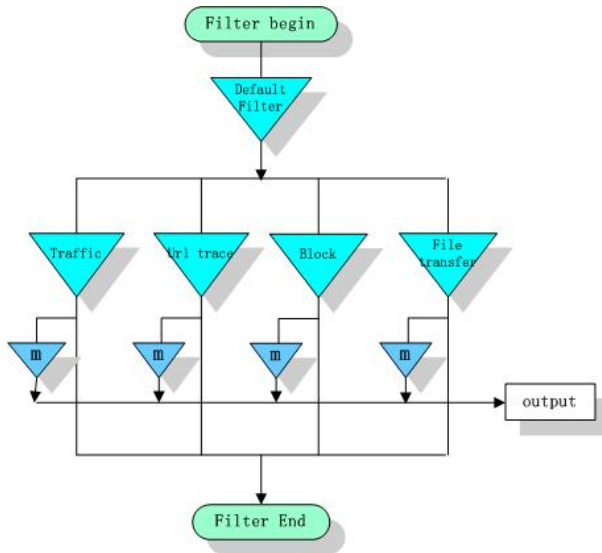


11.1.3 Monitor Filter P

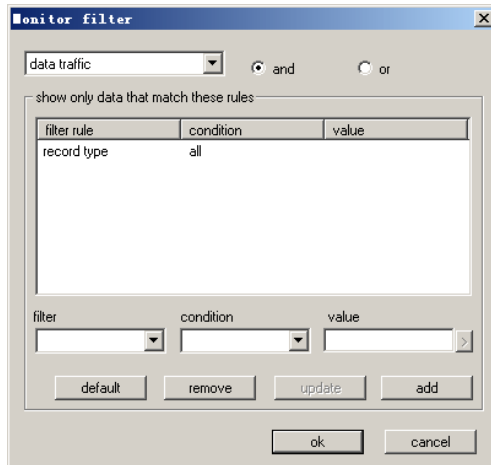
It includes four monitor filters: "Data traffic", "Url trace", "Block request" and "File transfer".

⊘ Monitor filter's rule writing can ref to "11.3 Rule specifications".

The relation among these monitor filters:



Specify what kind of data will be shown at "realtime pane".



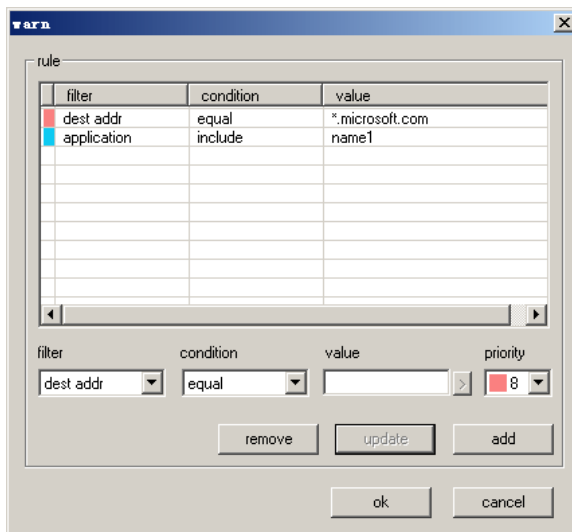
After "Monitor filter" processed, the data is shown at realtime pane.

start time	name	source addr	dest addr	protocol	port	application	time usec
06-05-13 17:57:41	administrator	192.168.100.1	www.netfeesoftware.com	http	2082	-	00:00:
06-05-13 17:57:33	administrator	192.168.100.1	www.google.com	http	80	-	00:00:
06-05-13 17:56:51	administrator	192.168.100.4	218.30.103.168	pop3	110	msimn.exe	00:01:
06-05-13 17:56:08	administrator	192.168.100.1	blog.platinum.net.cn	http	80	-	00:00:
06-05-13 17:54:16	administrator	192.168.100.1	www.google-analytics.com	http	80	-	00:03:
06-05-13 17:54:14	administrator	192.168.100.1	www.fairyfair.com	http	80	-	00:01:
06-05-13 17:54:13	administrator	192.168.100.1	bbs.chinaunix.net	http	80	-	00:02:
06-05-13 17:54:12	administrator	192.168.100.1	www.chinaunix.net	http	80	-	00:01:

11.1.4 Warn E

Can set up warn rules, when recorders that is accorded with these rules appeared, send warn message. There is priority in warning rule. Different priority rules can be shown with different color.

⊘ Warn filter's rule writing can ref to "11.3 Rule specifications".



The warning information can be shown at realtime pane.

start time	name	source addr	warning	protocol	port	application	time used	b
06-05-15 13:48:28	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:35	
06-05-15 12:39:30	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:02:36	
06-05-15 11:28:43	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:15	
06-05-15 10:47:10	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:11	
06-05-15 10:20:40	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:03:43	
06-05-15 10:03:09	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:12	
06-05-15 00:43:05	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:55	
06-05-15 00:06:10	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:40	
06-05-14 22:24:24	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:45	

And warning information can ultimately be saved into database when fresh data. Then you can query it late. Refer to "11.2.4.12 Warn".

11.1.5 Fresh Data

Run "Fresh data", the data produced from "scanning logs" can be saved into database.

Fresh Data can be run in two ways: "**Manual fresh**" and "**Auto fresh**".

- **Manual fresh**

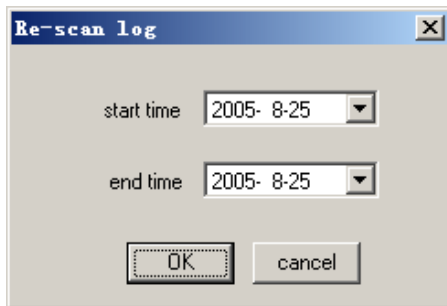
If you need to query latest Internet usage, must run "Data Process/Fresh data" manually.

- **Auto fresh data**

System can fresh data automatically. Refer to "6.3 Archive / fresh".

11.1.6 Re-scan log

If "Data filter" rules changed or system reinstalled, need to run "**Data Process/ Re-scan log**" to Re-scan previous log files.



Select the "**start date**" and "**end date**", system would Re-scan logs in this period.

11.1.7 Re-calculate data

When "admin mode" changed, need run "**Data Process/Re-calculate**".

11.2 Query

Not only can Netfee query by user (department, computer, group etc), but also can query reversely by application, protocol, port, filetype, dest_addr etc.

11.2.1 Method

11.2.1.1 Common query

Select what you want to query, then click the button "Query". Or right-click on it, run "Query".

11.2.1.2 Query cache

To improve the query speed, system can cache the query contents.

⚠ Sometimes need to clear cache before query.

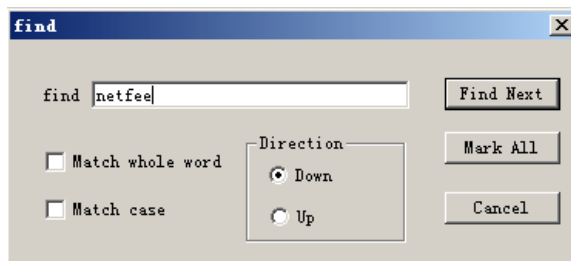
11.2.1.3 Query through columnlist

Through columnlist in toolbar, you can locate user(computer) quickly through user name or IP in alphabetical order.



11.2.1.4 Find keywords(Ctrl + F)

To find keywords in query result, you run "Edit/Find"(or Ctrl + F).



11.2.1.5 Cross Query

Can query among user, computer and applications etc.

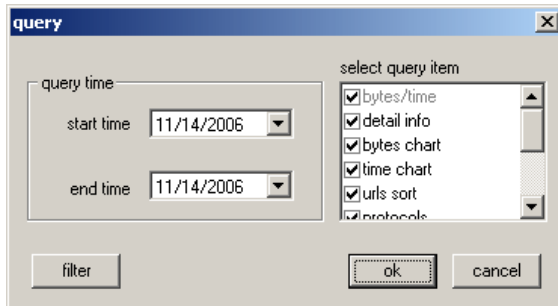
For example:

When query by user, then right-click on the query result, run "query by computer".

Or when query by computer, then right-click on the query result, run "query by user".

11.2.2 Settings

Click the user, or computer etc, run "Query". or Right-click on it to run "Query", then you can select "Start time" and "End time" to query.



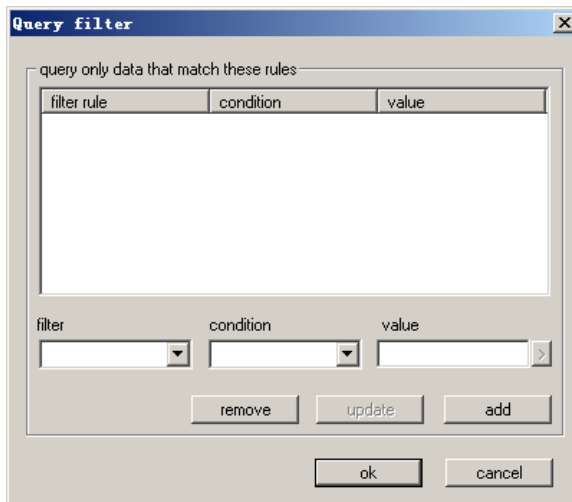
And you can select the content to query.

Click on "filter" button, can set filter for querying. Refer to **11.2.3 "Query Filter"**.

11.2.3 Query Filter

Can set filter for querying.

For example: create a rule "name not equal administrator" in query filter, then all query result doesn't contain any information about "administrator".



⊘ Query filter's rule writing can ref to "11.3 Rule specifications".

11.2.4 Content

Query content includes:

- Total information
- Bytes/Time
- Detail Information
- Bytes chart
- Time chart
- URL Trace
- URL Sort
- Protocols
- Application
- File transfer
- Block request
- Warn
- Bytes/Time Control
- Fees Control

And all querying results can be Print or output in excel, html format.

11.2.4.1 Total information

At "User tree-view pane", click root item. There will be all users information shown at right-pane. When user's status is "disable", it will be shown in yellow color.

no	user name	full name	dep	domain	remark	statu ▲
1	account	account	software	SOFTWARE	account	enabl
2	actuser	Application...	qaqa	NSTAR	启动 Applic...	enabl
3	administrator	administrator	qaqa	NSTAR	管理计算机(...	disab
4	agent1	agent1	software	SOFTWARE	agent1	enabl
5	agent2	Agent2	software	SOFTWARE	agent2	enabl
6	aimin.zhang	aimin.zhang	software	SOFTWARE	aimin.zhang	enabl
7	aixinguo	aixinguo	software	SOFTWARE	aixinguo	enabl
8	alm	alm	software	SOFTWARE	alm	enabl
9	azure	azure	software	SOFTWARE	azure	enabl
10	baiying	baiying	software	SOFTWARE	baiying	enabl
11	baizhi guang	baizhi guang	ss	NSTAR	baizhi guang	enabl
12	baorc	baorc	software	SOFTWARE	baorc	enabl
13	baoxi aoyun	baoxi aoyun	software	SOFTWARE	baoxi aoyun	enabl
14	bhcheng	bhcheng	software	SOFTWARE	bhcheng	enabl
15	bond1	bond1	software	SOFTWARE	bond1	enabl
16	bond2	bond2	software	SOFTWARE	bond2	enabl
17	boyi sheng	boyi sheng	software	SOFTWARE	boyi sheng	enabl
18	caidong	caidong	software	SOFTWARE	caidong	enabl

It is similar to "computers" and "others".

11.2.4.2 Bytes/Time

Show information of users' every-day traffic, includes "Name", "Date", "Time used", "Bytes received", "Bytes sent", "Bytes total", "Fee" (optional).

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
	name	date	time used	bytes received	bytes sent	bytes total			
	administrator	06-11-01	14.80 h	346.92 M	14.08 M	361.19 M			
	administrator	06-11-02	12.53 h	466.88 M	11.64 M	478.79 M			
	administrator	06-11-03	5.82 h	69.74 M	12.02 M	81.84 M			
	administrator	06-11-05	2.06 h	27.67 M	2.12 M	29.79 M			
	administrator	06-11-06	13.11 h	252.96 M	10.40 M	263.65 M			
	administrator	06-11-07	15.32 h	495.61 M	11.14 M	506.97 M			
	administrator	06-11-08	9.72 h	133.44 M	7.42 M	141.17 M			
	administrator	06-11-09	5.09 h	157.44 M	4.97 M	162.43 M			
	administrator	06-11-10	12.56 h	265.36 M	8.72 M	274.50 M			
	administrator	06-11-12	0.01 h	0.17 M	0.01 M	0.18 M			
	administrator	06-11-15	17.10 h	421.64 M	29.00 M	450.74 M			
	administrator	06-11-16	12.53 h	121.52 M	9.81 M	131.61 M			
	administrator	06-11-17	7.89 h	81.56 M	5.00 M	86.55 M			
	administrator	06-11-19	1.79 h	85.90 M	1.48 M	87.37 M			
	administrator	06-11-20	10.79 h	176.85 M	15.42 M	192.29 M			

Right-click on the query result, you can also select whether output "Fee" and "Sum" information.

11.2.4.3 Details Information

Show information in details, which includes "Date", "Start time", "End time", "user name", "IP used", "Time used", "Bytes received", "Bytes sent" and "Bytes total".

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
	start time	end time	name	source addr	time used	bytes			
	06-11-01 21:49:00	06-11-01 22:15:00	administ...	192.168.100.1	0:26:45	684.50			
	06-11-01 21:54:00	06-11-01 21:55:00	administ...	192.168.100.4	0:01:35	24.84			
	06-11-01 22:20:00	06-11-01 22:26:00	administ...	192.168.100.1	0:05:41	243.14			
	06-11-01 22:24:00	06-11-01 22:26:00	administ...	192.168.100.4	0:01:23	4.09			
	06-11-01 22:51:00	06-11-01 23:10:00	administ...	192.168.100.1	0:19:10	1255.96			
	06-11-01 22:55:00	06-11-01 22:56:00	administ...	192.168.100.4	0:01:29	14.58			
	06-11-01 23:11:00	06-11-01 23:13:00	administ...	192.168.100.4	0:01:52	1373.94			
	06-11-01 23:20:00	06-11-01 23:27:00	administ...	192.168.100.4	0:07:17	1048.24			
	06-11-01 23:20:00	06-11-01 23:24:00	administ...	192.168.100.1	0:04:46	1301.77			
	06-11-01 23:51:00	06-11-01 23:58:00	administ...	192.168.100.4	0:07:37	6818.76			
	06-11-02 00:01:00	06-11-02 00:05:00	administ...	192.168.100.1	0:03:44	558.19			
	06-11-02 00:03:00	06-11-02 00:07:00	administ...	192.168.100.4	0:04:24	122.99			
	06-11-02 00:33:00	06-11-02 00:35:00	administ...	192.168.100.4	0:01:26	4.00			
	06-11-02 01:04:00	06-11-02 01:05:00	administ...	192.168.100.4	0:01:21	4.13			
	06-11-02 01:34:00	06-11-02 01:36:00	administ...	192.168.100.4	0:01:34	5.58			
	06-11-02 02:05:00	06-11-02 02:06:00	administ...	192.168.100.4	0:01:39	4.13			
	06-11-02 02:35:00	06-11-02 02:37:00	administ...	192.168.100.4	0:01:22	3.99			
	06-11-02 03:06:00	06-11-02 03:07:00	administ...	192.168.100.4	0:01:19	3.82			

Right-click on the query result, run "Detail", can show more urls information in the time interval.

Detail - administrator

time range
start time: 06-11-20 10:04:00
end time: 06-11-20 10:30:00

current status
time used: 0:25:41
bytes total: 2162.08 k
bytes received: 1995.94 k
bytes sent: 166.14 k

Detail

start time	name	source	dest addr	applic	port	time	bytes
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:04:23	189.39 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:04:27	335.18 k
06-11-20 10...	adm...	192.168...	bbs.chinaun...	-	htt...	0:00:21	50.41 k
06-11-20 10...	adm...	192.168...	www.chinaun...	-	htt...	0:00:11	207.31 k
06-11-20 10...	adm...	192.168...	65.96.88.178	msi...	net...	0:01:48	113.84 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:02:04	113.95 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:01:28	98.01 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:03:19	32.48 k
06-11-20 10...	adm...	192.168...	65.96.88.178	msi...	pop...	0:01:42	5.07 k
06-11-20 10...	adm...	192.168...	218.30.103.168	msi...	pop...	0:01:19	1.58 k
06-11-20 10...	adm...	192.168...	www.csdn.net	-	htt...	0:00:38	162.66 k
06-11-20 10...	adm...	192.168...	zi.csdn.net	-	htt...	0:00:20	418.41 k
06-11-20 10...	adm...	192.168...	z.csdn.net	-	htt...	0:00:16	31.21 k
06-11-20 10...	adm...	192.168...	www.dearboo...	-	htt...	0:00:10	21.59 k

output ok

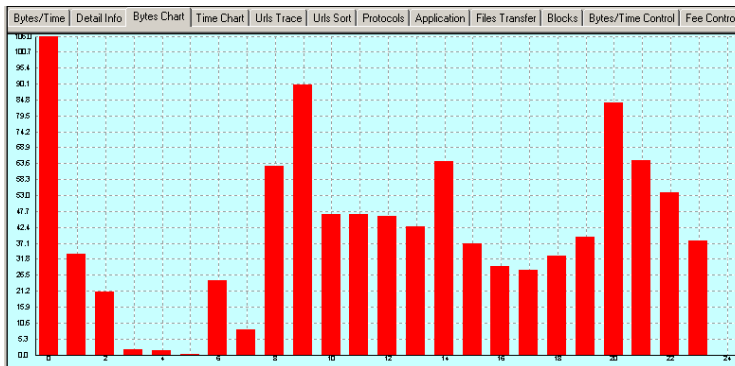
11.2.4.4 Bytes chart

Show traffic information by "Bytes chart".

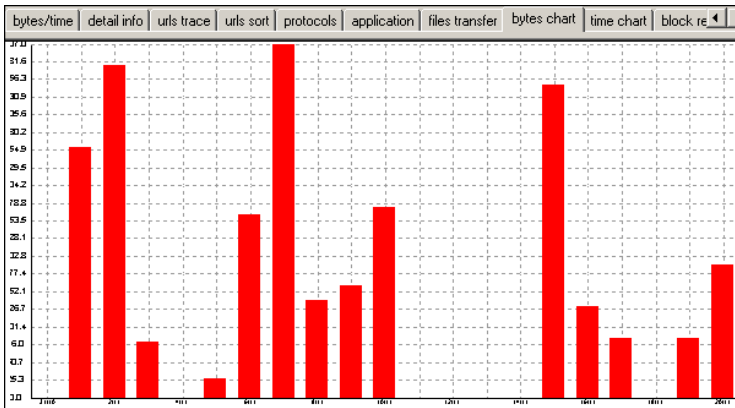
Bytes chart includes:

- **Traffic by days** -- display the traffic distribution from "Start date" to "End date".
- **Traffic by hours** -- display the Traffic distribution in 24 hours.

The chart of "**Traffic by hours**" is as follow:



The chart of "**Traffic by days**" is as follow:



Right-click on chart,run "**Detail**",can show more detail information in this period.

Detail - administrator

time range: date 2006-11-20 time 0:00:00 : 24:00:00

current status: bytes total 192.29 M bytes received 176.85 M bytes sent 15.42 M

Detail

start time	name	source	dest addr	applic	port	time	bytes
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:04:23	189.39 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:04:27	335.18 k
06-11-20 10...	adm...	192.168...	bbs.chinaun...	-	htt...	0:00:21	50.41 k
06-11-20 10...	adm...	192.168...	ww.chinaun...	-	htt...	0:00:11	207.31 k
06-11-20 10...	adm...	192.168...	65.98.88.178	msi...	sm...	0:01:48	1.41 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:02:04	113.95 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:01:23	96.01 k
06-11-20 10...	adm...	192.168...	www.netfees...	-	htt...	0:03:19	32.48 k
06-11-20 10...	adm...	192.168...	65.98.88.178	msi...	pop...	0:01:42	5.07 k
06-11-20 10...	adm...	192.168...	218.30.103.168	msi...	pop...	0:01:19	1.58 k
06-11-20 10...	adm...	192.168...	www.csdn.net	-	htt...	0:00:38	162.66 k
06-11-20 10...	adm...	192.168...	zi.csdn.net	-	htt...	0:00:20	418.41 k
06-11-20 10...	adm...	192.168...	z.csdn.net	-	htt...	0:00:16	31.21 k
06-11-20 10...	adm...	192.168...	www.dearboo...	-	htt...	0:00:10	21.59 k

output ok

Output:

Can Print or output in excel, html format.

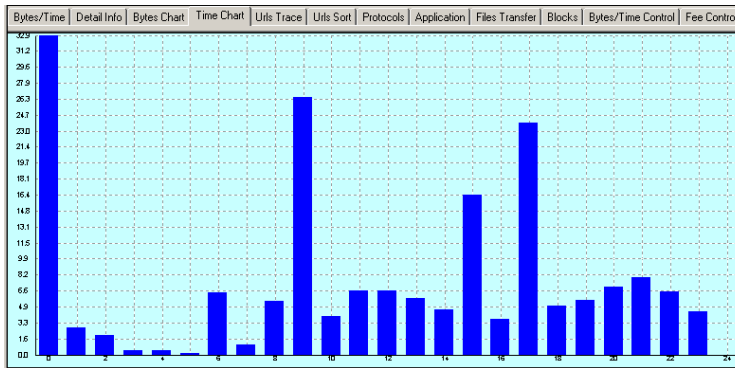
11.2.4.5 Time chart

Show traffic information by "Time chart".

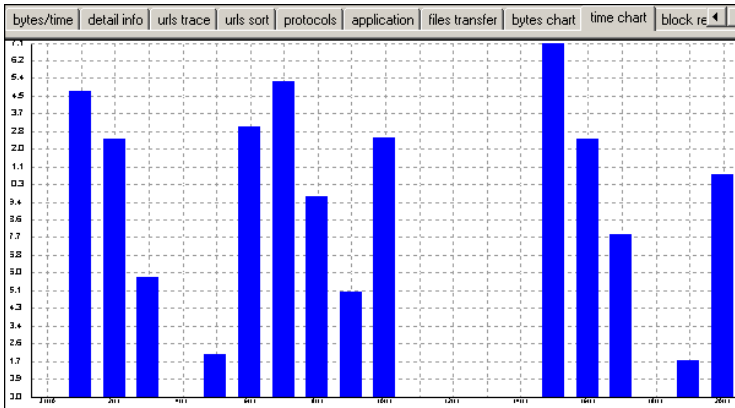
Time chart includes:

- **Time by days** -- display the Time distribution from "Start date" to "End date".
- **Time by hours** -- display the Time distribution in 24 hours.

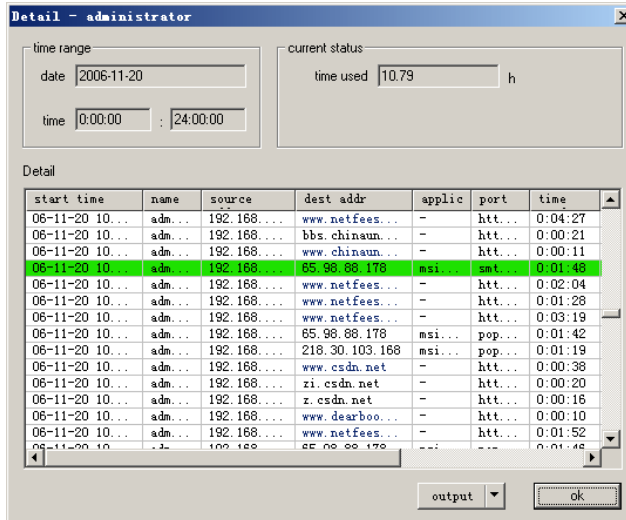
The chart of "**Time by hours**" is as follow:



The chart of "**Time by days**" is as follow:



Right-click on chart, run "**Detail**", can show more detail information in this period.



Output:

Can Print or output in excel, html format.

11.2.4.6 URL Trace

Show information of websites visited.

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
06-11-20 16:49:00	192.168.100.1	pfp.sina.com.cn		http	80	-			
06-11-20 16:50:00	192.168.100.1	tech.sina.com.cn		http	80	-			
06-11-20 16:50:00	192.168.100.1	image2.sina.com.cn		http	80	-			
06-11-20 16:51:00	192.168.100.4	212.200.162.2		unidenti...	3128	iexplor...			
06-11-20 16:54:00	192.168.100.4	64.246.16.7		unidenti...	3128	iexplor...			
06-11-20 16:55:00	192.168.100.4	64.132.47.58		rtsp	554	iexplor...			
06-11-20 16:56:00	192.168.100.1	image2.sina.com.cn		http	80	-			
06-11-20 16:56:00	192.168.100.1	ad4.sina.com.cn		http	80	-			
06-11-20 17:00:00	192.168.100.1	comment4.news.sina...		http	80	-			
06-11-20 17:01:00	192.168.100.4	65.96.88.178		ftp	26583	flashfp...			
06-11-20 17:01:00	192.168.100.4	64.246.16.7		unidenti...	3128	iexplor...			
06-11-20 17:04:00	192.168.100.4	65.96.88.178		smtp	25	msimn.exe			
06-11-20 17:05:00	192.168.100.4	64.132.47.58		rtsp	554	iexplor...			
06-11-20 17:06:00	192.168.100.1	auto.sina.com.cn		http	80	-			
06-11-20 17:06:00	192.168.100.1	image2.sina.com.cn		http	80	-			
06-11-20 17:06:00	192.168.100.1	ad4.sina.com.cn		http	80	-			
06-11-20 17:06:00	192.168.100.1	beacon.sina.com.cn		http	80	-			
06-11-20 17:06:00	192.168.100.1	secure-cn.imrworldw...		http	80	-			

11.2.4.7 URL Sort

Not only can Netfee show the information of URLs visited, but also can sort them in order of visits, Time, Bytes and so on

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
dest addr	Visit	time used	bytes	bytes sent					
65.98.88.178	640	23.87 h	6.34 M	27.03 M					
218.30.103.168	614	17.04 h	2.63 M	0.82 M					
www.netfeesoftware.com	343	11.28 h	60.97 M	5.81 M					
image2.sina.com.cn	242	9.07 h	72.83 M	15.94 M					
paowang.com	216	8.29 h	30.55 M	2.47 M					
www.google-analytics.com	214	8.58 h	1.80 M	1.30 M					
sd4.sina.com.cn	209	7.40 h	40.12 M	6.36 M					
beacon.sina.com.cn	191	7.06 h	0.98 M	0.98 M					
comment4.news.sina.com.cn	180	7.57 h	33.06 M	8.34 M					
pfp.sina.com.cn	134	5.80 h	4.98 M	1.50 M					
z.csdn.net	131	4.16 h	3.41 M	3.71 M					
pfpip.sina.com	127	5.51 h	0.08 M	0.16 M					
secure-cn.inrworldwide.com	118	4.68 h	0.27 M	0.36 M					
news.sina.com.cn	115	5.13 h	34.32 M	0.78 M					
tech.sina.com.cn	99	2.58 h	52.96 M	0.91 M					
cq144.csdn.net	96	3.75 h	0.34 M	0.26 M					
www.google.com	94	2.72 h	28.88 M	3.40 M					
www.csdn.net	88	1.87 h	13.89 M	1.56 M					

Right-click on selected url item, run "Detail" can show more information of websites visited.

Detail - administrator

dest addr: www.netfeesoftware.com

time: start time [2006-10-31] end time [2006-11-20]

current status: time used [11.28 h] bytes total [66.78 M] bytes received [60.97 M] bytes sent [5.81 M]

start time	name	source	dest addr	applic	port	time
06-11-01 16...	adm...	192.168...	www.netfees...	-	htt...	0:00:21
06-11-01 18...	adm...	192.168...	www.netfees...	-	htt...	0:00:11
06-11-01 19...	adm...	192.168...	www.netfees...	-	htt...	0:00:13
06-11-01 19...	adm...	192.168...	www.netfees...	-	htt...	0:00:44
06-11-01 22...	adm...	192.168...	www.netfees...	-	htt...	0:03:41
06-11-01 22...	adm...	192.168...	www.netfees...	-	htt...	0:00:13
06-11-01 23...	adm...	192.168...	www.netfees...	-	htt...	0:00:33
06-11-02 06...	adm...	192.168...	www.netfees...	-	htt...	0:00:17
06-11-02 07...	adm...	192.168...	www.netfees...	-	htt...	0:04:58
06-11-02 07...	adm...	192.168...	www.netfees...	-	htt...	0:00:25
06-11-02 07...	adm...	192.168...	www.netfees...	-	htt...	0:00:51

output [v] [ok]

Output:

Can Print or output in excel, html format.

11.2.4.8 Protocols

Show information of protocols, and can sort them in order of visits, Time, Bytes and so on

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
				protocol	Visit	time used	bytes received	bytes sent	
				http	5236	183.99 h	2174.58 M	80.35 M	
				rtsp	53	12.98 h	612.90 M	0.61 M	
				ms firewall storage	3	4.59 h	124.29 M	10.44 M	
				ssl-tunnel	152	5.07 h	22.48 M	4.73 M	
				pop3	1163	34.13 h	7.37 M	1.98 M	
				unidentified ip traffic	50	6.07 h	4.68 M	0.89 M	
				http proxy	14	0.62 h	2.13 M	0.33 M	
				pop3s	73	2.82 h	0.84 M	0.19 M	
				ftp	13	3.74 h	0.72 M	25.52 M	
				https	2	0.10 h	0.65 M	0.18 M	
				msn messenger	10	1.51 h	0.12 M	0.07 M	
				nntp	3	0.64 h	0.06 M	0.00 M	
				smtp	4	0.21 h	0.02 M	0.16 M	

Right-click on a protocol item, run "Detail" can show more detail information of protocol.

The screenshot shows a window titled "Detail - administrator" with the following fields and data:

- protocol: rtsp
- time: start time 2006-10-31, end time 2006-11-20
- current status: time used 12.98 h, bytes used 613.51 M, bytes received 612.90 M, bytes sent 0.61 M
- Detail table:

start time	name	source	dest addr	applic	port	time	b
06-11-01 05...	adm...	192.168...	61.135.144.203	wmp...	rtsp...	0:14:17	4
06-11-01 05...	adm...	192.168...	61.135.144.203	wmp...	rtsp...	1:12:39	3
06-11-01 20...	adm...	192.168...	61.135.144.203	iex...	rtsp...	0:27:57	5
06-11-01 20...	adm...	192.168...	61.135.144.203	iex...	rtsp...	0:01:22	1
06-11-01 20...	adm...	192.168...	61.135.144.203	iex...	rtsp...	0:21:47	4
06-11-02 17...	adm...	192.168...	61.135.144.203	iex...	rtsp...	0:00:31	
06-11-08 00...	adm...	64.132.4...	192.168.100.4	iex...	rtsp...	0:04:22	
06-11-08 00...	adm...	192.168...	64.132.47.79	iex...	rtsp...	0:04:27	
06-11-08 00...	adm...	192.168...	64.132.47.79	iex...	rtsp...	0:01:11	
06-11-08 00...	adm...	192.168...	64.132.47.79	iex...	rtsp...	0:06:13	1
06-11-08 00...	adm...	192.168...	64.132.47.79	iex...	rtsp...	0:04:17	1

Output:

Can Print or output in excel, html format.

11.2.4.9 Applications

Can show information of applications, and can sort them in order of visits, Time, Bytes and so on.

application	Visit	time used	bytes received	bytes sent
-	5356	186.40 h	2173.22 M	85.08 M
iexplore.exe	122	11.35 h	423.58 M	1.82 M
wmplayer.exe	8	4.28 h	177.19 M	0.12 M
mmc.exe	3	4.59 h	124.29 M	10.44 M
realplay.exe	7	2.88 h	43.82 M	0.05 M
msimn.exe	1243	37.80 h	8.29 M	2.33 M
flashfxp.exe	13	3.74 h	0.72 M	25.52 M
msnmsgr.exe	13	1.65 h	0.34 M	0.11 M
winword.exe	2	1.01 h	0.13 M	0.00 M
tracq.exe	10	3.40 h	0.00 M	0.00 M

Right-click on a application item, run "**Detail**" can show more detail information of application.

The screenshot shows a window titled "Detail - administrator" with the following fields and data:

- application: wmplayer.exe
- time: start time [2006-10-31], end time [2006-11-20]
- current status: time used [4.28 h], bytes used [177.31 M], bytes received [177.19 M], bytes sent [0.12 M]
- Detail table:

start time	name	source	dest addr	applic	port	time	byte
06-11-01 05...	adm...	192.168...	61.135.144.203	wmp...	rts...	0:14:17	4075
06-11-01 05...	adm...	192.168...	61.135.144.203	wmp...	rts...	1:12:39	3814
06-11-10 19...	adm...	192.168...	207.46.211.254	wmp...	rts...	0:38:51	1806
06-11-17 03...	adm...	192.168...	61.135.144.203	wmp...	rts...	0:16:26	3376
06-11-17 03...	adm...	192.168...	61.135.144.203	wmp...	rts...	0:02:11	C
06-11-17 03...	adm...	192.168...	61.135.144.203	wmp...	rts...	1:04:06	7088
06-11-20 02...	adm...	192.168...	61.135.144.203	wmp...	rts...	0:27:13	8404
06-11-20 02...	adm...	192.168...	61.135.144.203	wmp...	rts...	0:20:56	3091

Buttons: output, ok

Output:

Can print or output in excel, html format.

11.2.4.10 File Transfer

Show information of files transferred. And can sort them in order of Bytes and so on.

bytes/time	detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block re
start time	name	source addr	link related	protocol					
06-11-01 05:39:00	administr...	192.168.100.4	61.135.144.203	rtsp					
06-11-01 05:54:00	administr...	192.168.100.4	61.135.144.203	rtsp					
06-11-01 11:35:00	administr...	192.168.100.1	http://www.pkusp.com.cn/chua...	http					
06-11-01 12:19:00	administr...	192.168.100.1	http://www.ta-ta.cn/images/E...	http					
06-11-01 16:21:00	administr...	192.168.100.4	http://www.enet.com.cn/escho...	http					
06-11-01 16:22:00	administr...	192.168.100.4	http://www.enet.com.cn/escho...	http					
06-11-01 16:23:00	administr...	192.168.100.4	http://www.enet.com.cn/escho...	http					
06-11-01 16:43:00	administr...	192.168.100.4	http://www.enet.com.cn/escho...	http					
06-11-01 17:57:00	administr...	192.168.100.4	http://www.xyz-jm.com/grweb/...	http					
06-11-01 20:06:00	administr...	192.168.100.4	61.135.144.203	rtsp					
06-11-01 20:36:00	administr...	192.168.100.4	61.135.144.203	rtsp					
06-11-01 20:38:00	administr...	192.168.100.4	61.135.144.203	rtsp					
06-11-01 23:52:00	administr...	192.168.100.4	http://www.nstar.com.cn/netf...	http					
06-11-02 08:39:00	administr...	192.168.100.1	http://p.blog.csdn.net/image...	http					
06-11-02 08:58:00	administr...	192.168.100.4	http://211.100.21.180/CSDN_L...	http					
06-11-02 17:31:00	administr...	192.168.100.4	http://winmedia.cctv.com.cn/...	http					
06-11-02 18:01:00	administr...	192.168.100.4	http://winmedia.cctv.com.cn/...	http					
06-11-02 20:02:00	administr...	192.168.100.4	http://211.100.21.180/CSDN L...	http					

11.2.4.11 Block request

Show information of blocked request.

detail info	urls trace	urls sort	protocols	application	files transfer	bytes chart	time chart	block request	warr
time	source addr	dest addr	dest port	protocol	status				
06-11-01 23:59:00	192.168.100.4	65.98.88.178	110	pop3	denied				
06-11-02 00:00:00	192.168.100.1	paowang.com	8080	http	denied				
06-11-02 22:13:00	192.168.100.1	blogs.atlassia...	8080	http	denied				
06-11-02 23:50:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-03 00:00:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-03 10:09:00	192.168.100.4	65.98.88.178	110	pop3	denied				
06-11-03 10:39:00	192.168.100.4	65.98.88.178	110	pop3	denied				
06-11-03 11:09:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-03 11:20:00	192.168.100.4	65.98.88.178	110	pop3	denied				
06-11-05 23:57:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-06 00:00:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-07 15:58:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-07 15:58:00	192.168.100.1	secure-cn.imrw...	8080	http	denied				
06-11-07 18:15:00	192.168.100.1	sports.sina.co...	8080	http	denied				
06-11-07 18:15:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-08 13:49:00	192.168.100.1	sb.google.com	8080	http	denied				
06-11-08 13:54:00	192.168.100.4	218.30.103.168	110	pop3	denied				
06-11-08 14:24:00	192.168.100.4	65.98.88.178	110	pop3	denied				

11.2.4.12 Warn E

Show warning information.

application	files transfer	bytes chart	time chart	block request	warning	bytes/time control	fee control
start time	name	source addr	warning	dest addr	prot		
06-10-31 13:28:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 14:14:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 14:42:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 17:50:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 18:30:00	administrator	192.168.100.12	dest addr equal www...	www.netf...	http		
06-10-31 19:39:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 20:38:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 20:48:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 21:44:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 21:52:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 21:57:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 22:36:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 22:47:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-10-31 22:53:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-11-01 00:21:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-11-01 01:07:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-11-01 10:00:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		
06-11-01 10:05:00	administrator	192.168.100.1	dest addr equal www...	www.netf...	http		

11.2.4.13 Bytes/Time Control E

Show information of control. When the remain of traffic or time is less than 0, records are shown in Yellow.

application	files transfer	bytes chart	time chart	block request	warning	bytes/time control	fee control
name	date	bytes quota	bytes	bytes remain			
administrator	06-11-01	1110.00 M	361.19 M	748.81 M			
administrator	06-11-02	748.81 M	478.79 M	270.02 M			
administrator	06-11-03	270.02 M	81.84 M	188.18 M			
administrator	06-11-05	1110.00 M	29.79 M	1080.21 M			
administrator	06-11-06	1080.21 M	263.65 M	816.56 M			
administrator	06-11-07	816.56 M	506.97 M	309.59 M			
administrator	06-11-08	309.59 M	141.17 M	168.42 M			
administrator	06-11-09	168.42 M	162.43 M	5.99 M			
administrator	06-11-10	5.99 M	274.50 M	-268.51 M			
administrator	06-11-12	1110.00 M	0.18 M	1109.82 M			
administrator	06-11-15	1109.82 M	450.74 M	659.08 M			
administrator	06-11-16	659.08 M	131.61 M	527.47 M			
administrator	06-11-17	527.47 M	86.55 M	440.92 M			
administrator	06-11-19	1110.00 M	87.37 M	1022.63 M			
administrator	06-11-20	1022.63 M	192.29 M	830.34 M			

11.2.4.14 Fee control E

Show information of Fee. When remain of fee is less than 0, records are shown in Yellow.

application	files transfer	bytes chart	time chart	block request	warning	bytes/time control	fee control
name	date	fee	fee Remain	fee added			
administrator	06-11-01	34.66	401.58	0.00			
administrator	06-11-02	46.67	354.91	0.00			
administrator	06-11-03	6.96	347.95	0.00			
administrator	06-11-05	2.77	345.18	0.00			
administrator	06-11-06	25.31	319.87	0.00			
administrator	06-11-07	49.53	270.34	0.00			
administrator	06-11-08	13.35	256.99	0.00			
administrator	06-11-09	15.74	241.25	0.00			
administrator	06-11-10	26.55	214.70	0.00			
administrator	06-11-12	0.02	214.68	0.00			
administrator	06-11-15	42.16	172.52	0.00			
administrator	06-11-16	12.10	160.42	0.00			
administrator	06-11-17	8.13	152.29	0.00			
administrator	06-11-19	8.58	143.71	0.00			
administrator	06-11-20	17.63	126.08	0.00			

11.3 Rule specifications

Data filter, monitor filter, warning and query are all involved with the rules writing.

11.3.1 Prefix wildcard – "*"."

Support prefix wildcard "*"." for dest address.

For example: dest address - equal - *.microsoft.com.

11.3.2 Rear wildcard – ".*"

Support rear wildcard ".*" for source address.

For example: source addr - equal – 192.168.100.*.

11.3.3 Rear wildcard – "*""

Support rear wildcard "*" for name, protocol, application and link related

For example: name - equal – admin*.

application - equal – msn*.

link related - equal – http://www.microsoft.com/china*.

11.3.4 Network Element

When filter rules condition is: "Include" and "Exclude", the network element can be used. Refer to "**11.4 Network Element**".

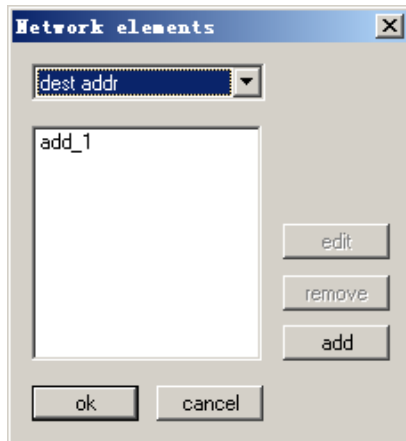
For example: Have a Application element set –"App1".

The rule can set as: Application – Include – App1.

11.4 Network Element P

Network element can be used in various filter rules condition settings: "Include" and "Exclude". Refer to "**11.1.2 Data filter**", "**11.1.3 Monitor filter**", "**11.1.4 Warn**" and "**11.2.3 Query filter**".

The Elements includes: "name", "application", "source address", "dest address", "file type", "link related", "port", "protocol" and "time".



⊘ Element writing can ref to "11.3 Rule specifications".

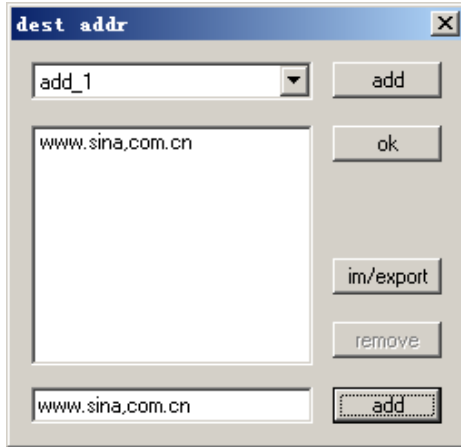
11.4.1 Add

Can add network element.

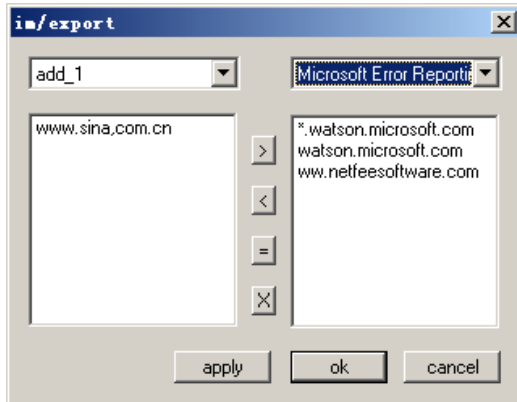


11.4.2 Edit

Can add or remove element item to element.



In addition, "dest address" element can import or export web address from ISA server's Domain sets and Url sets.



11.5 Real-time information

The realtime information is shown at "realtime pane". It includes: "traffic", "url trace", "block request", "file transfer", "warning", "scanning files", "output" and "event". And can set "Monitor filter" to specify what kind of data be shown. Refer to "**11.1.3 Monitor filter**"

11.5.1 Traffic

Show users' traffic at realtime.

start time	name	source addr	last time	bytes received	bytes sent
06-05-13 00:37:10	administrator	64.70.26.253	06-05-13 00:38:38	1.06 MB	0.00 MB
06-05-13 00:39:29	administrator	64.70.26.234	06-05-13 01:33:27	0.00 MB	0.00 MB
06-05-12 00:07:23	administrator	192.168.100.1	06-05-13 17:57:45	144.32 MB	17.76 MB
06-05-12 00:18:17	administrator	192.168.100.4	06-05-13 15:44:42	317.79 MB	3.06 MB

traffic \ url trace \ block requests \ file transfer \ warning \ scanning files \ output /

And you can add rules to select what kind of data will be shown. For example: only show the traffic with "**Dest port**" equal "110".

11.5.2 Url trace

Show websites visited by users at realtime.

start time	name	source addr	dest addr	protocol	port	application	time usec
06-05-13 17:57:41	administrator	192.168.100.1	www.netfeesoftware.com	http	2082	-	00:00:
06-05-13 17:57:33	administrator	192.168.100.1	www.google.com	http	80	-	00:00:
06-05-13 17:56:51	administrator	192.168.100.4	218.30.103.168	pop3	110	msimn.exe	00:01:
06-05-13 17:56:08	administrator	192.168.100.1	blog.platinum.net.cn	http	80	-	00:00:
06-05-13 17:54:16	administrator	192.168.100.1	www.google-analytics.com	http	80	-	00:03:
06-05-13 17:54:14	administrator	192.168.100.1	www.fairyfair.com	http	80	-	00:01:
06-05-13 17:54:13	administrator	192.168.100.1	bbs.chinaunix.net	http	80	-	00:02:
06-05-13 17:54:12	administrator	192.168.100.1	www.chinaunix.net	http	80	-	00:01:

traffic \ url trace \ block requests \ file transfer \ warning \ scanning files \ output /

And you can add rules to select what kind of data will be shown. For example: only show website with "**application**" equal "msimn.exe".

11.5.3 Block request

Show block requests at real-time.

time	source addr	dest addr	dest port	protocol	status	rule	name
06-05-13 14:09:05	192.168.100.1	www.google-analytic...	80	http	failed	allow	administrator
06-05-13 13:56:31	192.168.100.1	www.google-analytic...	80	http	failed	allow	administrator
06-05-13 13:43:57	192.168.100.1	adwords.google.com	443	ssl-tunnel	failed	allow	administrator
06-05-13 12:09:00	192.168.100.4	218.30.103.168	110	pop3	denied	netfee_bloc...	administrator
06-05-13 12:02:00	192.168.100.1	comment4.news.sina...	80	http	failed	allow	administrator
06-05-13 11:50:48	192.168.100.1	comment4.news.sina...	80	http	failed	allow	administrator
06-05-13 11:40:32	192.168.100.1	comment4.news.sina...	80	http	failed	allow	administrator
06-05-13 11:36:29	192.168.100.1	beacon.sina.com.cn	80	http	failed	allow	administrator

traffic \ url trace \ block requests \ file transfer \ warning \ scanning files \ output /

And you can add rules to select what kind of data will be shown. For example: only show block request with "**source addr**" equal "192.168.100.3".

11.5.4 File transfer

Show files transferred at real-time.

time	name	source addr	dest addr	port	protocol	file type	applicatio
06-05-13 15:39:34	administrator	192.168.10...	http://winmedia.cctv.com.cn/wwwwx...	80	http	.wmv	-
06-05-13 15:38:44	administrator	192.168.10...	http://www.cctv.com/homepage2006...	80	http	.flv	-
06-05-13 15:37:31	administrator	192.168.10...	http://www.cctv.com/homepage2006...	80	http	.flv	-
06-05-13 00:39:20	administrator	192.168.10...	64.70.26.234	554	rtsp	.*	wmplayer
06-05-13 00:38:43	administrator	64.70.26.234	192.168.100.4	4546	mms	.*	ie:explo.e
06-05-13 00:37:10	administrator	64.70.26.253	192.168.100.4	4542	mms	.*	ie:explo.e
06-05-13 00:32:23	administrator	64.70.26.253	192.168.100.4	4533	mms	.*	ie:explo.e
06-05-13 00:29:15	administrator	192.168.10...	http://download.microsoft.com/downl...	80	http	.exe	-

And you can add rules to select what kind of data will be shown. For example: only show recorders with "file size" greater or equal "5M".

11.5.5 Warn

Show warning information at real-time.

start time	name	source addr	warning	protocol	port	application	time used	b
06-05-15 13:48:28	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:35	
06-05-15 12:39:30	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:02:38	
06-05-15 11:28:43	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:15	
06-05-15 10:47:10	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:11	
06-05-15 10:20:40	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:03:43	
06-05-15 10:03:09	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:12	
06-05-15 00:43:05	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:00:55	
06-05-15 00:06:10	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:40	
06-05-14 23:24:24	administrator	192.168.100.4	dest port equal 110	-	110	msimn.exe	00:01:45	

11.5.6 Scanning files

Show file-scanning progress.

file name	size M	progress rate
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	4.93	Complete
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	5.24	Complete

When file is scanned, show the percentage of scanning progress.

After scan finished, display "Complete".

When scan cancelled, display "Aborted".

11.5.7 Output

Show information system processing data. Such as "Fresh data", "process control data", "calculate fee", "clear data", "updat users" etc.

task	progress rate
reset users	Complete
clear database	Complete
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	51%
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	waiting...
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	waiting...
D:\Program Files\Microsoft ISA Server\ISALogs\ISALOG_2...	waiting...

11.5.8 Event

Show the system return warning or error message.

time	content
09-01-19 19:19:00	Scan logs.
09-01-19 19:18:46	Fresh data.
09-01-19 19:18:37	Can not find log files! netfee can noly support W3C or ISA server file format. confirm file format ..
09-01-19 19:18:37	Scan logs.
09-01-19 19:18:02	Netfee server init finished.
09-01-19 19:18:00	Can not connect to ISA server.
09-01-19 19:18:00	Netfee server init.

traffic\url trace\block requests\file transfer\warning\scanning files\output\events/

11.6 Web query E

User can query through Web.

11.6.1 Web settings

Install IIS, create "virtual directory", set "Alias" as "netfee" and set "Directory" to the directory - ".\program files\netfee\web" for web publishing. The "Access Permissions" of "virtual directory" must be set as "Read", "Run script", "Execute".

And the "All unknown ISAPI extend" in "Web service extend" must be set as "Allow".

11.6.2 Web publish

can select which field to be shown when web query (Refer to "7.6 Web query").

11.6.3. Web query

If web server address is 192.168.100.1, you can run IE on your computer and input "http://192.168.100.1/netfee/auth.dll". Then appear a "Query information" window.

Query Information			
User name :	<input type="text" value="administrator"/>	Start Date :	<input type="text" value="2009-01-19"/>
Password :	<input type="password"/>	End Date :	<input type="text" value="2009-01-19"/>
Domain :	<input type="text" value="software"/>		
<input type="button" value="Query"/>			

Input "User name", "Password" and "Domain", click "Query" button. then you can get user information

Query result

User name	Date	Bytes quota(M)	Bytes used(M)	Bytes remain(M)	Time quota(h)	Time used(h)	Time remain(h)
software\administrator	2009-01-04	500.00	99.79	400.21	500.00	1.16	498.84
software\administrator	2009-01-05	500.00	890.26	-390.26	498.84	19.39	479.45
software\administrator	2009-01-06	500.00	1664.68	-1164.68	479.45	32.98	446.47
software\administrator	2009-01-07	500.00	1868.43	-1368.43	446.47	25.33	421.14
software\administrator	2009-01-08	500.00	1085.87	-585.87	421.14	15.13	406.01
software\administrator	2009-01-09	500.00	2049.67	-1549.67	406.63	58.63	348.00
software\administrator	2009-01-10	500.00	2043.31	-1543.31	348.50	44.33	304.17
software\administrator	2009-01-11	500.00	1602.29	-1102.29	500.00	26.31	473.69
software\administrator	2009-01-12	500.00	1814.37	-1314.37	473.69	30.59	443.10
software\administrator	2009-01-13	500.00	1084.73	-584.73	445.19	44.24	400.95
software\administrator	2009-01-14	500.00	1282.24	-782.24	402.96	31.44	371.52
software\administrator	2009-01-15	500.00	783.37	-283.37	371.52	16.02	355.50
software\administrator	2009-01-16	500.00	682.80	-182.80	355.50	13.50	342.00
software\administrator	2009-01-17	500.00	422.38	77.62	342.00	10.04	331.96
software\administrator	2009-01-18	500.00	1031.57	-531.57	500.00	17.04	482.96
software\administrator	2009-01-19	500.00	655.32	-155.32	487.87	15.00	472.87

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11.7 Data archive

Can archive data automatically.

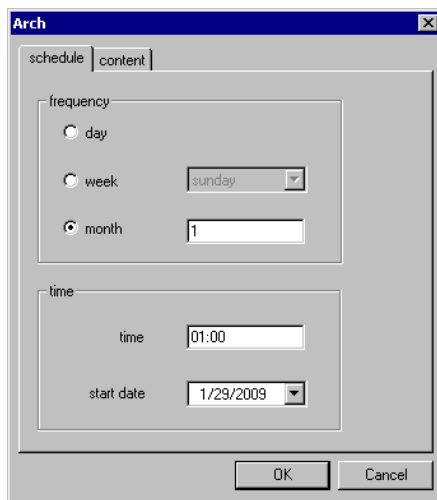
11.7.1 Archive Data

Run "**File/Archive data**" to archive data.

 The archived data will be removed.

11.7.1.1 Schedule

Set schedule to archive.



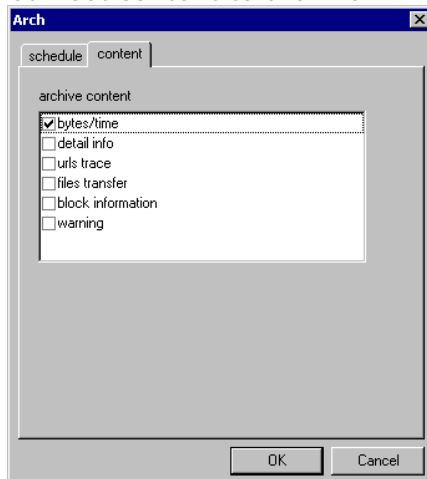
Frequency: The frequency to archive.

Time: The time to archive.

Start date: The start date to archive.

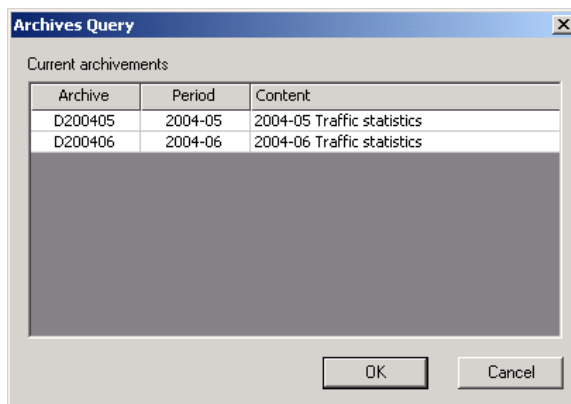
11.7.1.2 Content

Can set content to archive.



11.7.2 Query Archives

Run "File/Query archives" to query archives.



11.8 Backup system information

System can backup system information at regular interval to avoid to lost important information.

11.8.1 Backup system information

There are two methods to backup system information: "**manually**" and "**automatically**"

- **Manual backup**

Run "**File/Backup system information**", system will generate a ".ubk" file.

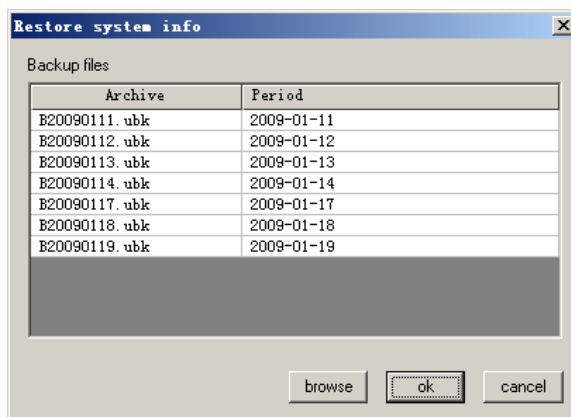
- **Automatic backup**

System generates name for the backup file by the date and backup it into "* /netfee/backup/", (e.g. 20010518.ubk) everyday.

About auto-backup settings, refer to "**7.3 Schedule**".

11.8.2 Restore system information

Can restore system information using ".ubk" files.



Run "**File/Restore system information**", select a "*.ubk" file, then a warning dialog appears:



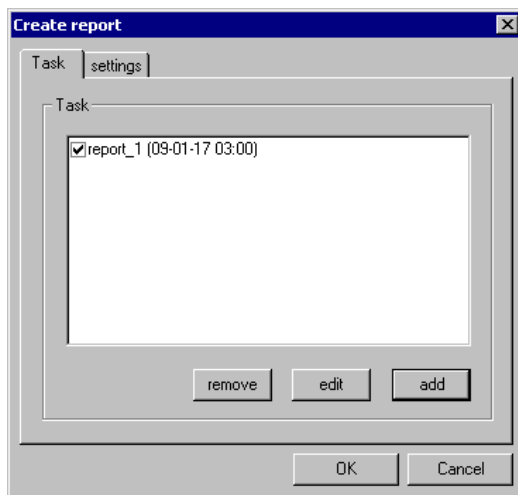
Click "**ok**", then you will restore all system information.

11.9 Report

Can create various report automatically.

11.9.1 Task

Create some tasks to generate report automatically.

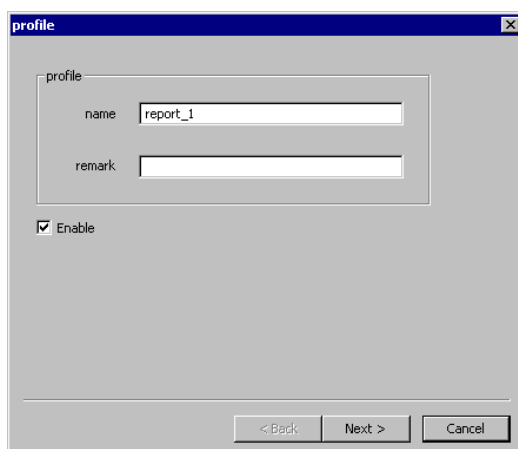


11.9.1.1 Add

Click "add" to create report task.

11.9.1.1.1 Profile

The profile of report task.

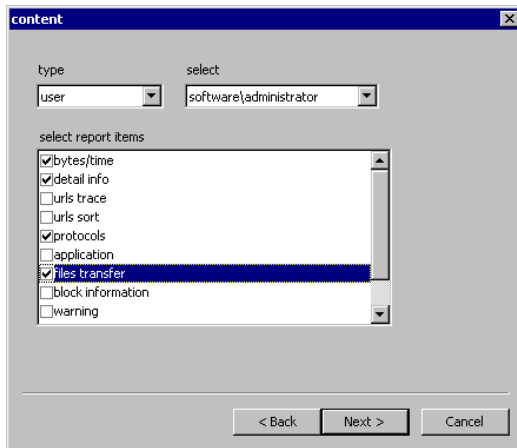


Name: Report task's name.

Enable: Allow the use of this task.

11.9.1.1.2 Content

Can set content of report.

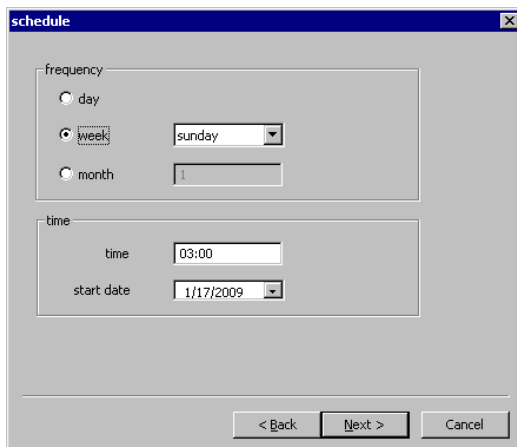


Type: Include "All users", "Dep", "User", "All computers", "Group", "Computer", "Application", "Protocol", "Port", "File type", "Dest addr".

Item: content of report.

11.9.1.1.3 Schedule

Can set the schedule for report generation.



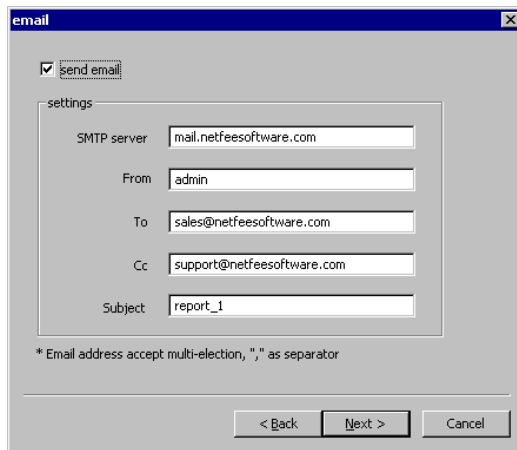
Ⓒ **Frequency:** The frequency of report generation.

Time: The time to create report.

Start date: The start date to create report.

11.9.1.1.4 Email

Send report by email.



Send email: Choose whether or not to send email.

SMTP server: Mail server.

From: Email sender.

To: The address of email recipients.

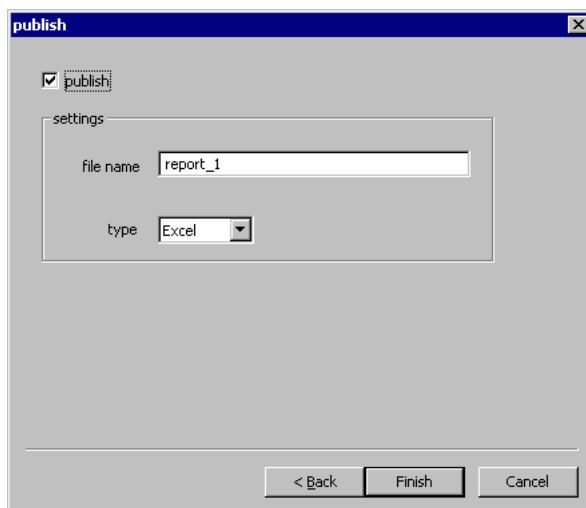
Cc: The address of email CC.

Subject: The subject of email.

Email address accept multi-election, \",\" as separator.

11.9.1.1.5 Publish

Save report to document. The document will be at directory - ".\program files\netfee\Report\".

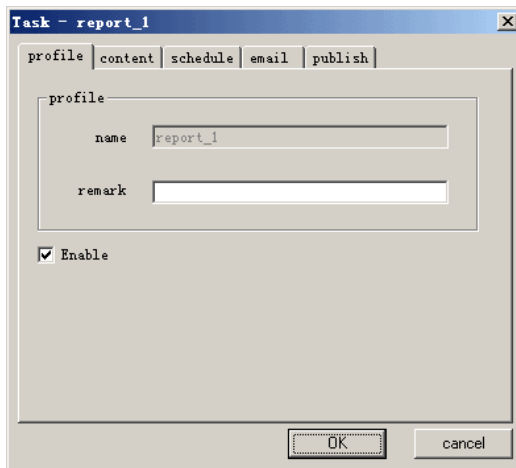


Send email: Choose whether or not to save document.

Type: The type of document: Html or Excel.

11.9.1.2 Edit

Edit the report task.



11.9.1.3 Remove

Remove the report task.

11.9.2 Settings

Can set the property of report task.



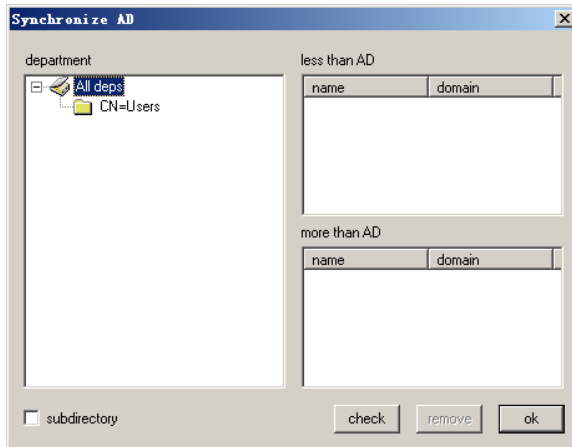
Report title: The report title will appear at top of report. You can modify it.

Company name: The company name will appear at bottom of report. You can modify it with your company name.

Max records: The max records to create report.

11.10 AD synchronize

Run the "**Tools/Synchronize AD**", to maintain Netfee users and AD users synchronization.



Q1: what is the system requirement?

A1:

- ISA Sever(2000/2004/2006)、WinRoute6.0, WinProxy5.1、CSM_Proxy
- Windows NT 4.0 (Service Pack 5)
Or Windows 2000 Server (Service Pack 2)
Or Windows 2003 Server
- Microsoft Data Access Components (MDAC) 2.5
- Internet Explorer 5.01

Q2: what is the difference between "Netfee standard" and "Netfee Plus"?

A2: Netfee Standard does not have user control function and only can do query.

Q3: what is the advantage of using NetFee?

A3:

1. Manage, control and monitor
2. Charge
3. Do some analysis of every user/department

Q4: Does Netfee need lots of system resource?

A4: No! Netfee need a little system resource because of using data cache algorithm.

Q5: Does Netfee support to report output?

A5: Yes. It can output the report in Excel, HTML formats.

Q6: what control methods does Netfee support?

- A6:**
- 1.traffic limitation (by month)
 2. Time limitation (by month)
 3. Fee limitation
 4. Total traffic limitation
 5. Total time limitation
 6. Date Expired

Q7: Does Netfee scan data very fast?

A7: Netfee can scan data at the speed of 200M/min (PIII, 128MRAM)

Q8: Can Netfee archive user information?

A8: Yes. Netfee can archive the information by month for you to check later.

Q9: what is difference between Netfee and Common log file analyzer?

A9: Main difference

1. Analyse method

Common log file analyzer only do some statistics on traffic and time, but Netfee can do more things, such as who visits which website, at which time, using how long time, using how many traffic. Additionally, Netfee can query internet usage of every user(department).

2. Control function

This is the main aspect that Netfee differs from common log file analyzer. Not only does Netfee do some statistics of time and traffic, but also it can set some strategies to limit the users. When user runs time out, or use illegal IP, Netfee can terminate his rights to logon the network.

3. Charge

Netfee is a kind of software with charging function. It supports various charging methods including time, traffic etc.

Q10: Do we need to do some special configuration if we use SQL Server as our database?

A10: No! If you select SQL server as database, run "**Create**" at "**Tools/Settings/Database**".

Q11: Can Netfee support different fee rate at different time?

A11: yes, run "**Tools/Settings/Discount time**" do some special set

Q12: How to limit the time and traffic of user or department in one month?

A12: run "**Set user(department)/Quota**" do some settings

Q13: Should we install MS Excel in our computer if we want to output the result in Excel format?

A13: No! Because netfee can do it automatically.

Q14: how to set NetFee to use remote query through Web?

A14: Steps as follow:

1. Run "Tools/Settings/ web query" choose the directory for web publishing in "File directory". If you do not select the default directory, ".\program files\netfee\web", you have to copy all files in default directory to the selected directory.

2. Install IIS, create "virtual directory", set "Alias" as "netfee" and set "Directory" to the directory for web publishing. And you must set the "Access Permissions" of "virtual directory" as "Read", "Run script", "Execute".

3. Database registration
 - 3.1. Run "Control Pane/ Administrative Tools /ODBC", select "add" in "system DSN", select "Microsoft Access Driver" from diver list, and click "finish".
 - 3.2. Input "Netfee" into "Data Source Name".
 - 3.3. Click "Database/Select", add "WebInfo.mdb" in selected web publishing directory
 - 3.4 Click "ok".

4. query information and change password through Web.

If web server address is 192.168.100.3, you can run IE on your computer and input "http://192.168.100.3/netfee". A window with "Query" and "Change password" buttons appear. Click on "Query", then input username and password follow the direction given by the system. you can get user information Click "Change password" follow the direction given by the system. Then you can change user password

Q15. Does NetFee support bound user with IP address?

A15: Yes! Just add the legal IP address into "Set User/IP limit"

Q16: the size of Netfee.ntf would become bigger and bigger with running of NetFee. How to deal with this situation?

A16: You should archive data in time. After archive data, system will remove some previous data from database, then the file Netfee.ntf will become smaller. And the query speed will increase at same time.

Q17: Does Netfee standard/plus have users(computers) limit?

A17: NO!

Q18: Can we install Netfee on a remote computer?

A18: Yes!

1. share log directory in ISA Server, then install Netfee on remote computer, then add ISA Server and its directory at "**Tools/Settings/Logs**".
2. Install ISA server Management at the computer running netfee.
3. Run "**Tools/Settings/Connect to firewall**". specify a computer name running ISA server with *computer_name* or IP address. Then, type the user name, password, and domain for the user who will remotely manage. Refer to "**6.1 Connect to firewall**".

Q19:After Install Netfee, it can only process the current log. how can i process previous logs?

A19: Run "**Process data/re-scan log**", then select the date you want process from. Netfee will process previous logs

Q20:How about the Licenses number of Netfee enterprise be calculated?

A20: Netfee can administrator base on users or computers. It's Licenses number is the limit of users **or** computers.

Q21: what's the difference between "Data filter" and "Monitor filter"?

A21: "**Data filter**" Can setup the rules to specify what type data can be analyzed. "**Monitor filter**" can setup rules to specify what type recorder can be displayed. To sum up, "**Data filter**" can affect the query result, but "**Monitor filter**" can not!

Q22: Can i set not to analyze urls information?

A22: Yes! Run "**Tools/Data filter/Urel trace**", modify "**recorder type**" to "nothing".

Q23: Can netfee send warnning when recorder's port is equal 8000?

A23: Yes! Run "**Tools/Warn**", set up a rule - "Dest port equal 8000".

Q24: Can i find a keyword in query result?

A24: Yes! Run "Edit/Find" or Ctrl + F, then a dialog appear, input the keyword you will find, press "OK".

Q25: After Install Netfee, Run "Add Unknown users", But system tell me "there are not unknown users exist",Why?

A25: Only After freshing data, the system can detect some users existed. So can find these users and add them to system. To sum up, only "scan data" and "fresh data" run at least Once, can the "**Add Unknown users**" function act on.

Q26:Does Netfee plus/enterprise support WinRoute and winproxy?

A26: No! Only Netfee **standard** can support WinRoute and winproxy.

Q27: what's the difference between department (group) of netfee and the group of windows 2000(2003) server?

A27: The department and group of netfee maybe the group of windows 2000(2003) server, or **NOT**.

13. License agreement

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Netstar NetWork Technology Inc.

Address: 29 XueYuan Lu, HaiDian District, Beijing 100083, China

Phone: 86-10-82331909

Http://www.netfeesoftware.com

Email: sales@netfeesoftware.com