

Creating a Sysop Account

You will create *sysop* accounts in the **Account Manager**.

To create a *sysop* account:

1. In the WebAdmin, select **Account Manager** from the **Account Management** menu.
2. Click **Add New Account**.
3. Complete the **Login Name**, **Organization**, **Password**, and **Verify Password** boxes.
4. Click **Sysop** in the **Classification** field.
5. If you click **Create account group policy**, a group and policy will be created for this account. The *sysop* will join the group as a client and be filtered.
6. Click **Submit**.
7. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

Setting Permissions for Sysop Accounts

You can set the permissions for any *sysop* account you create. A *sysop* may only perform the functions allowed by their permissions. There are many *sysop* permissions and you should carefully consider which permissions you want to give your *sysops*.

To set *sysop* permissions:

1. In the WebAdmin, select **Account Manager** from the **Account Management** menu.
2. Click **Edit** beside the *sysop* account for which you want to set permissions.
3. Click **Sysop Permissions**.
4. Select the check boxes for the functions you want your *sysops* use.
5. Click **Submit**.
6. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

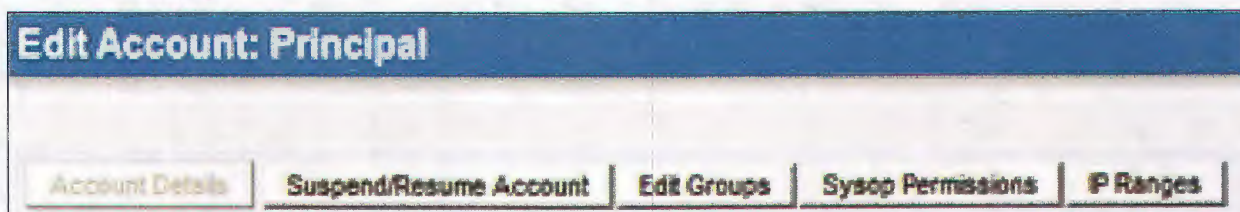


Figure 102 Options for *sysop* accounts

Assigning a Range of IP Addresses to a Sysop

An *admin* can designate a range of IP addresses for which that *sysop* is responsible.

To assign an IP range to a *sysop*:

1. In the WebAdmin, select **Account Manager** from the **Account Management** menu.
2. Click **Edit** beside the *sysop* account to which you want to add the IP range.
3. Select the IP Ranges.
4. Type in the IP Range as a subnet. For example, the subnet mask 192.168.6.0/24 includes the IP addresses from 192.168.6.1 to 192.168.6.255.
5. Click **Submit**.
6. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

Assigning a Sysop to a Group

Sysops only have access to the groups to which they are assigned. All groups that a *sysop* creates are automatically assigned to that *sysop*.

However, an *admin* can manually reassign a group to a different *sysop*, if the need arises.

To assign a group to a *sysop*:

1. Select **Account Manager** from the **Account Management** menu.
2. Select the account you want to assign the group to by clicking the account name.
3. Click **Edit Groups**.
4. Select the group you want to assign to the *sysop*.
5. Click **Submit**.
6. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

OR

1. Select **Group Manager** from the **Policy Management** menu.
2. Select the group name.
3. Click **Assign Account** from the **Account Group Memberships** section.
4. Click **Assign** beside the name of the *sysop* account.
5. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

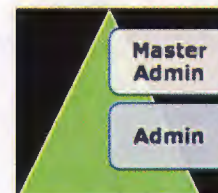
The screenshot shows the 'Edit Account: Principal' web interface. At the top, there are tabs for 'Account Details', 'Suspend/Resume Account', 'Edit Groups', 'Sysop Permissions', and 'IP Ranges'. The 'Edit Groups' tab is active. Below the tabs, there is a 'Group Membership' section with a table. The table has two columns: 'Group Name' and 'Delete'. The first row shows 'Students' in the 'Group Name' column and a checkbox in the 'Delete' column. Below the table, there is an 'Edit Groups' section with a search box and 'Search' and 'Clear' buttons. A dropdown menu is open, showing 'default', 'Group1', and 'Teachers'. The 'Teachers' option is highlighted. At the bottom right, there are 'Submit' and 'Back' buttons.

Figure 103: Assign the Teachers group to a sysop

Deleting a Group from a Sysop

To delete a group from a sysop:

1. Select **Account Manager** from the **Account Management** menu.
2. Select the account to which you want to assign the group.
3. Click **Edit Groups**.
4. Click **Delete** beside the group you want to delete.
5. Click **Submit**.
6. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.



Using the System Tools

Tools accessed through the **System Tools** menu control the Netsweeper system settings. The *master admin* can use these tools perform system maintenance and adjust the settings.

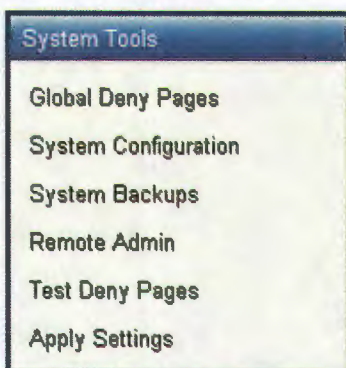


Figure 104 System Tools menu

System Tools	Function
Global Deny Pages	The Global Deny Pages tool allows you to manage and test global deny pages. These pages display when Netsweeper denies users access to Internet content.
System Configuration	System Configuration contains tools to allow the <i>master admin</i> to change the configuration of system services. When you modify the configuration of a service, you must either restart the service or reboot the server. Some services require a server reboot while others automatically reload the settings.
System Backups	The System Backups tool feature allows the <i>master admin</i> to download the current configuration file or upload an existing configuration file. It also allows the <i>master admin</i> to reset the Global Deny Pages.
Remote Admin	The Remote Admin is an interface to the Netsweeper Policy Servers that allows the administrator to see both the Remote Admin command and the result on the affected policy server.
Test Deny Pages	A Test Deny Page allows the administrator to test filtering policies.
Apply Settings	The Apply Settings tool applies configuration changes to the Netsweeper system.

Modifying a Global Deny Page

The *Global Deny Page* is the page to which users are directed when they request access to a URL to which their filtering policy denies access.

You can add links to the Global Deny Page or modify the text on the page.

To modify a Global Deny Page:

1. In the WebAdmin, select **Global Deny Pages** from the **System Tools** menu.
2. Select the **Deny Page** you want to modify, and then click **Submit**.

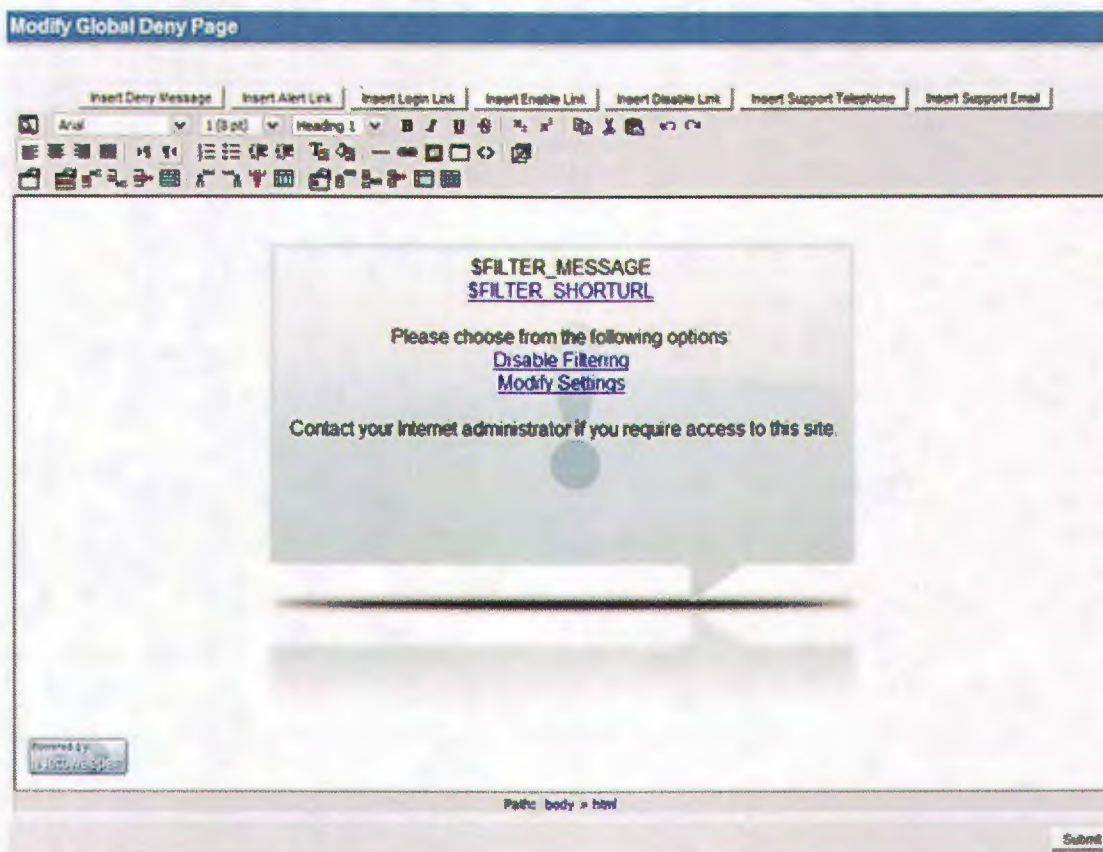


Figure 105: Modify Global Deny Page

3. Make your changes to the deny page by inserting options, text, images, etc.¹⁵
4. When you have completed the changes, click **Submit**.
5. Click **Apply Settings** on the WebAdmin task bar in the top right corner of the page and then click **Apply**.

¹⁵ Toggle between text and graphic modes to test your changes to the deny page.

Using the Remote Admin Tool to Test the Policy Servers

Admins use the **Remote Admin** tool to manage the Netsweeper Policy Servers.

Table 16 Remote Admin commands

Remote Admin Command	Description
Query NSP Version	Displays the currently installed version of Netsweeper.
Group Lookup	Displays information about the active group of an IP address you specify.
Apply Settings	Applies configuration changes to a specific IP address or client name.
Rotate Log Files	Stores the current log file and starts a new one.
URL Lookup	Lists the Category assignments and Time To Live (TTL) of a specific URL.
URL Lookup (Cache Disabled)	Similar to URL Lookup but does not search the cache. The Lookup will proceed as if the URL was not found in the cache. Lists the category assignment and Time To Live (TTL) of a specific URL.
CNS URL Lookup	Performs a direct CNS URL lookup. This bypasses the CNS Extension, CNS TLD, and all internal Netsweeper Policy Server processing.
Cache URL Lookup	Performs a direct cache URL lookup. This will <i>ONLY</i> search cache for the specific URL.
URL Lookup Default Group	Returns a denied or allowed, as defined by the default group policy.
URL Lookup Details	Returns the denied or allowed URL as defined by the default group policy, the policy server that categorizes the URL, and the category number of the URL.
Toggle Remote Logging	Enables or disables remote logging.
Reload TLD List	Reloads the top-level domain list.
Reload All Lists	Reloads the master list of URLs for the Netsweeper Policy Server.
Reset URL	Resets a URL to its default characteristics.
Assign IP to Group	Allows the assignment of a specific IP address to a particular group.
Disable Filtering	Disables filtering of a specific URL on a particular IP address for a specified length of time.
Reactivate Filtering	Reactivates disabled filtering of an IP address.
Flush NSLAM Users	Flushes all dynamic group assignments to disk.
Disable Category Filtering	Disables filtering of specific categories for a user for a specific period time.

Signal Dynamic Client Reload

Saves dynamically added clients to disk.

Testing Deny Pages

You can test your Deny Pages in the WebAdmin. Type in a URL you expect to be blocked and then click **Test**. The Deny page will then be tested. If the URL you typed in is not blocked, Netsweeper will respond: **URL Not Denied**.

Applying Settings

Some configuration changes you make in the WebAdmin will not take effect unless you *apply* them with the **Apply Settings** control.

To apply settings:

- Click **Apply Settings** on the WebAdmin task bar, and then click **Apply**
- OR
- Select **Apply Settings** from the **System Tools** menu and then click **Apply**.

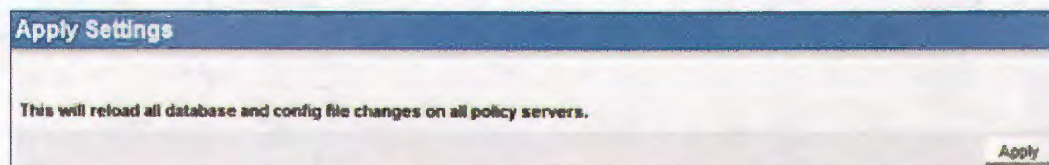


Figure 106: Apply Settings page

Managing System Configuration

System Configuration ¹⁶	Description
WebAdmin Settings	Control how the web interface functions and pages display.
Database Configuration	Specify the Host name for each part of the Netsweeper Policy Server. The standard set up will have them all on the same server.
WebAdmin Login Settings	Set the system timeouts for Admin, <i>sysop</i> , and users. You can allow different users to connect on different ports.
External Authentication Settings ¹⁷	The External Auth Module box contains the specific information for your authentication server on your network. If you have clients (end users) who are externally authorized, DO NOT enable external authentication for the WebAdmin. Otherwise, end users can log on to the WebAdmin and may change the configuration. Since the Local Allow and Deny lists have priority over lists on the NSD server, a user does not need to log on to the WebAdmin. Thus, external authentication is unnecessary in this case.

¹⁶ System Tools are only available to the *master admin*.

¹⁷ The default *admin* account never uses external authentication.

System Configuration ¹⁶	Description
Disable Filtering By	Manages how the WebAdmin handles enabling and disabling filtering for users. The three methods for disabling filtering: by IP Address, client name, or group policy. Quick Disable allows you to disable filtering for a certain amount of time.
Configuring a Netsweeper Client Filter	This section allows you to set preferences for the Profile Manager , the application used to create filtering profiles for the Client Filter Residential Edition. For example, you can set the types of Profile enabled, the installs per account, and other options. You can also set the Global Uninstall Password .
General Settings	Allows you to change various options within the WebAdmin. To see all the options, go to General Settings in WebAdmin Settings .
Reporter Web Address	The external address of the WebAdmin. Set the address to "Generated" if you want to autogenerate this address. If you are using a transparent proxy, you will need to specify the URL, such as http://192.168.100.100:8080/webadmin/ . You will also need to change the <code>nsd.conf deny_page_host</code> parameter so that it contains the routable IP address of the WebAdmin Server)
Minimum/Maximum Password Length	Maximum Local URLs on the Allow and Deny lists. (Setting a value to 10 would allow 10 Local Deny URLs and 10 Local Allow URLs.)
Maximum URL Display Length	URLs larger than the maximum will still be processed but they will have "..." appended after them.)
Accounts Per Page	This applies to number of accounts listed on each page in the Account Manager .
Groups per Page	This applies to the number of groups per page in the Group Manager , an application accessed through the Policy Management menu.
Logs per Page	This is the number of logs per page in the WebAdmin Log , an application accessed through the Logs menu.
Global URLs per Page	This applies to number of Global URLs listed on each page in the URL List Manager .
Global Keywords per Page	This applies to number of global keywords listed on each page in the Search Keywords application.
Enable Popup Windows	When you select this check box, all submenus in the WebAdmin will open in new windows.
Enabled Languages	Available and activated WebAdmin display languages
Enabled Quick Reports	Available and activated Quick Reports.
API Settings	Changes the NSLAM settings. For more information, go to http://support.netsweeper.ca and download the <i>Netsweeper API Guide</i> .

System Configuration ¹⁶	Description
Override URL Settings	<i>Admin</i> and <i>sysop</i> accounts can assign a URL to a different category when you enable this option for URL Lookup and URL Alert. The temporary category expires when the assignment times out.
Protocol Settings	If you select the checkbox, you can no longer select protocols when you try to modify categories.
Default Policy Global URL Lists	You can choose whether to enable or disable the Global Allow and Deny Lists for a policy. They are enabled by default.
Default Policy Status	You can choose whether to block (<i>black list</i>) selected categories or allow (<i>white list</i>) them.
Force Categories	Netsweeper will always enforce the categories you add to this section.
Web Proxy	You can choose to enable or disable the Web Proxy Tool. For more information on the Web Proxy, see the technical note on the support site at http://support.netsweeper.com .
Support Information	Type in your default support information. This information can be added to the Deny Pages. See Modifying the Deny Page on page 156.
Default Categories	You can choose which categories Netsweeper will automatically block for the default policy. You can also choose which protocols Netsweeper will automatically block for the default policies.
Policy Server Settings	This file contains the Netsweeper Policy Server settings. Warning Do not edit the configuration files manually unless you know exactly what you are doing or have instructions from Netsweeper Support.
Router Settings	This file contains the Router settings. Warning Do not edit the configuration files manually unless you know exactly what you are doing or have instructions from Netsweeper Support.
Reporter Settings	You can choose the types of reports (Demand , Scheduled , or Continuous) allowed for your system and specify the maximum size for a report.
Maximum Number of Report Instances per Report	The number of times a scheduled report will run before Netsweeper begins overwriting old reports. Set this number according to how long you want to keep a report. You can also add to the list of recognized HTML extensions for the Reporter and Logger.
Radius Settings	This file contains the Radius settings. Do not edit the configuration files manually unless you know exactly what you are doing, or have instructions from Netsweeper Support.

System Configuration ¹⁶	Description
Cache Settings	The Cache Settings control Squid and its parameters. Here you can make adjustments that may improve – or harm – the overall performance of your users' installations. Warning <i>Do not edit the configuration files manually unless you know exactly what you are doing or have instructions from Netsweeper Support.</i>
Directory Settings	Directory Settings synchronize the WebAdmin to Active Directory. You can copy your users and groups from Active Directory. For more information, see the Tech Note "Synchronizing from Active Directory" at http://support.netsweeper.com.
SNMP Settings	The Simple Network Management Protocol (SNMP) monitors network-attached devices for conditions that require administrative attention. Warning <i>Do NOT edit the configuration files manually unless you know what you are doing or have instructions from Netsweeper Support.</i>
Restart	You can restart any part of the server, such as the Netsweeper Policy Server, Reporter, Cache, Router, or Radius. After you have modified the configuration of a service, you must either restart the service or reboot the server. When you change the configuration for a service, you must restart the specific service. Click Restart for the service you want to restart.
Reboot	The Reboot Server will initiate a complete restart of the Netsweeper Policy Server. All applications are shutdown and the entire system performs a POST. You should make sure that your CMOS is set up so that it will continue to boot even if no keyboard is connected. It is usually not necessary to reboot the Netsweeper Policy Server. However, you may need to reboot it in some cases, such as when you change the IP address of the Policy Server. <i>Generally, you should never reboot your system unless Netsweeper Technical Support advises you.</i>
Master List	The Master List is Netsweeper's list of all categorized URLs. Netsweeper updates it daily, but you can manually refresh the list.
Test Components	You can test your email to ensure that you will receive any scheduled reports. You can also test external authentication. Type in the name of the script you are using for authentication and then click Test Authentication. You can then test that your users are authenticated correctly by typing in usernames and passwords.



Using the Monitoring Tools

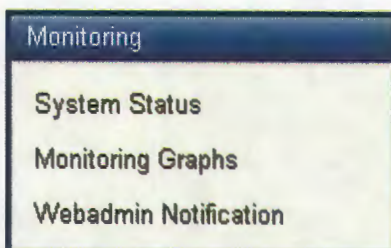


Figure 107 Monitoring menu

Table 17 Monitoring Menu Options

Monitoring	Function
System Status	Shows the current version number and status of the major components of the Netsweeper system.
Monitoring Graphs	Shows the load on the system and its performance.
WebAdmin Notification	Sends you email alerts whenever activity occurs in the WebAdmin, based on your administration level and assigned users.

Viewing System Status

To view the status:

1. Click **System Tools** on the WebAdmin menu bar.
2. Select **System Status** on the **System Tools** drop-down list.

The **System Status** and **Policy Server Reload Time** will display.

System Status				
System Type	System Address	System Status	System Date	Version Information
Netsweeper Webadmin	127.0.0.1	Online	Tue, 20 Jan 2009 11:17:38 -0500	Netsweeper Policy Server 2.6.25.20 Build: Jun 11 2008 09:59:00
Policy Server	127.0.0.1	Online	Tue, 20 Jan 2009 11:17:37 -0500	
Category Name Service	cns.net-sweeper.com	Online		

Policy Server Reload Time				
System Address	Start Time	Master List Reload	TLD List	Master List File Last Modified
127.0.0.1	Wed, 17 Dec 2008 07:53:40 -0500	Wed, 17 Dec 2008 07:53:36 -0500	Mon, 19 Jan 2009 16:26:25 -0500	Wed, 17 Dec 2008 07:53:21 -0500

Figure 108 System Status page

Viewing Monitoring Graphs

The WebAdmin creates dozens of monitoring graphs at your command.

To view Monitoring Graphs:

1. In the WebAdmin, click **Monitoring** on the WebAdmin menu bar and then click **Monitoring Graphs**.
2. Select the **Graph Type**, **Server**, **Service**, and **Interval** options you want and then click **View Graphs** on the **Monitoring Graphs** page.

System Status	
Specify the set of graphs you wish to view by selecting options from the list below, then click "View Graphs" to update this page.	
You can zoom in to the graph by clicking-and-dragging a box around the area you want to see. You can zoom out again by clicking the graph while holding down the Shift key. You cannot zoom in to a range that is shorter than 20 minutes.	
Servers can be added or removed from the monitoring graphs in the "Request Servers" menu, available under "Policy Management" in the main menu.	
Note: The graphs displaying hard drive usage and network interface statistics are server-specific. They are displayed only when the Server option is set to "One Server per Graph" or to an individual server.	
Graph Type:	Many Variables per Graph ▼
Server:	Sum of all Servers ▼
Service:	All Services ▼
Interval:	Week ▼
View Graphs	

Figure 109 Monitoring Graphs page

Field	Available options
Graph Type	• One variable per graph • Many variables per graph
Server	• All (One server per graph) • All (Many servers per graph) • Sum of all servers • Individual Servers • Localhost
Service	• All Services • Netsweeper Cache • Netsweeper Router • Netsweeper Policy Server • Netsweeper WebAdmin • Netsweeper Reporter • Netsweeper Logger • NET-SNMP Compliant
Interval	• Day • Week • Month

The resulting graphs display at the bottom of the page.

Sample Monitoring Graphs

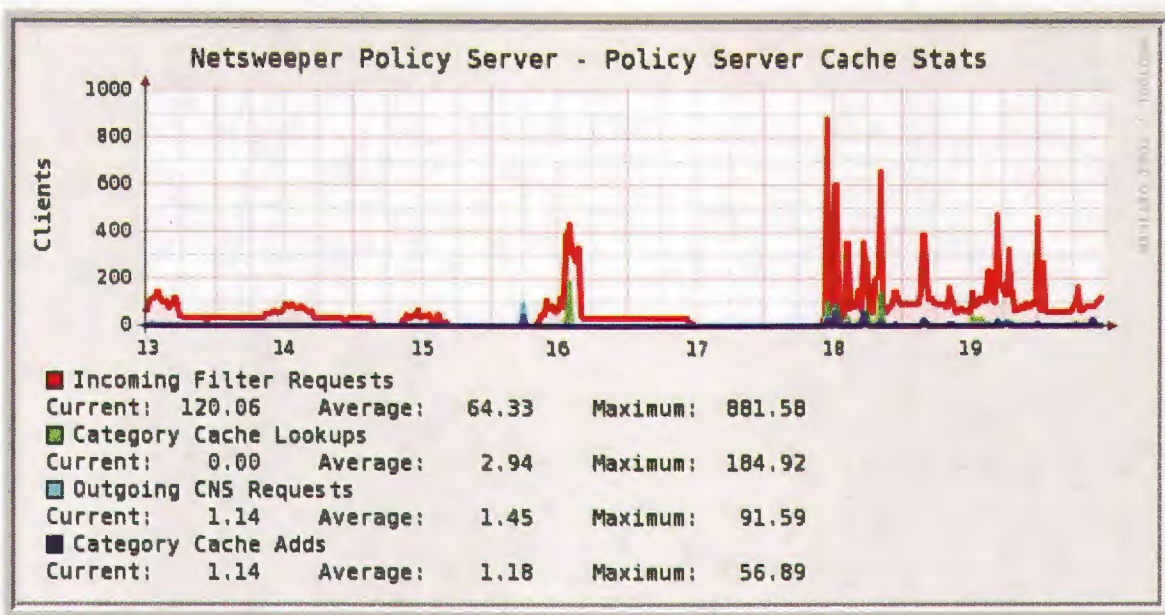


Figure 110 Graph of Policy Server Cache Stats

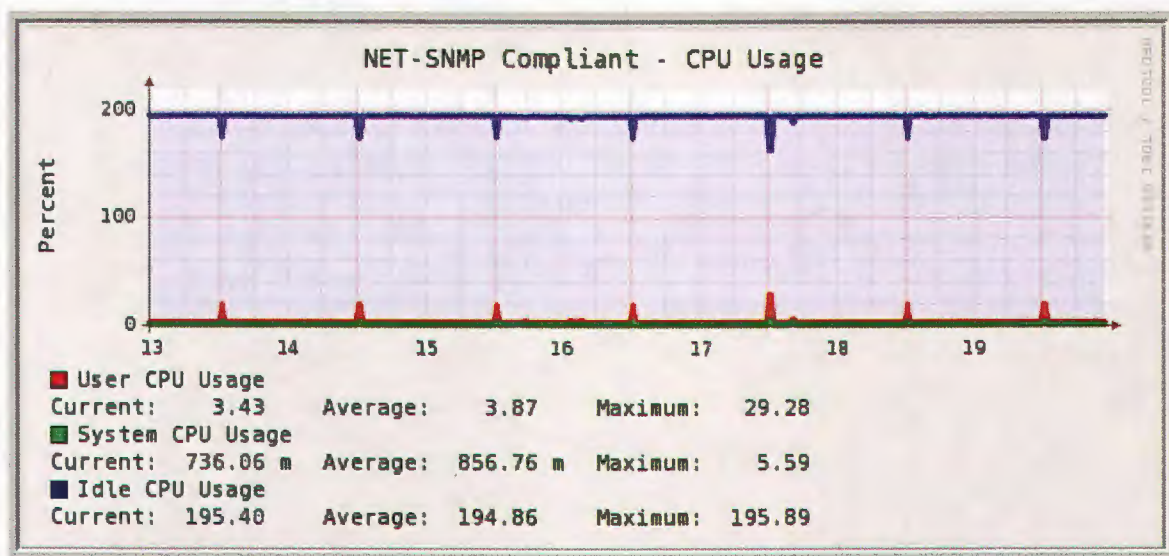


Figure 111 NET-SNMP Compliant CPU Usage

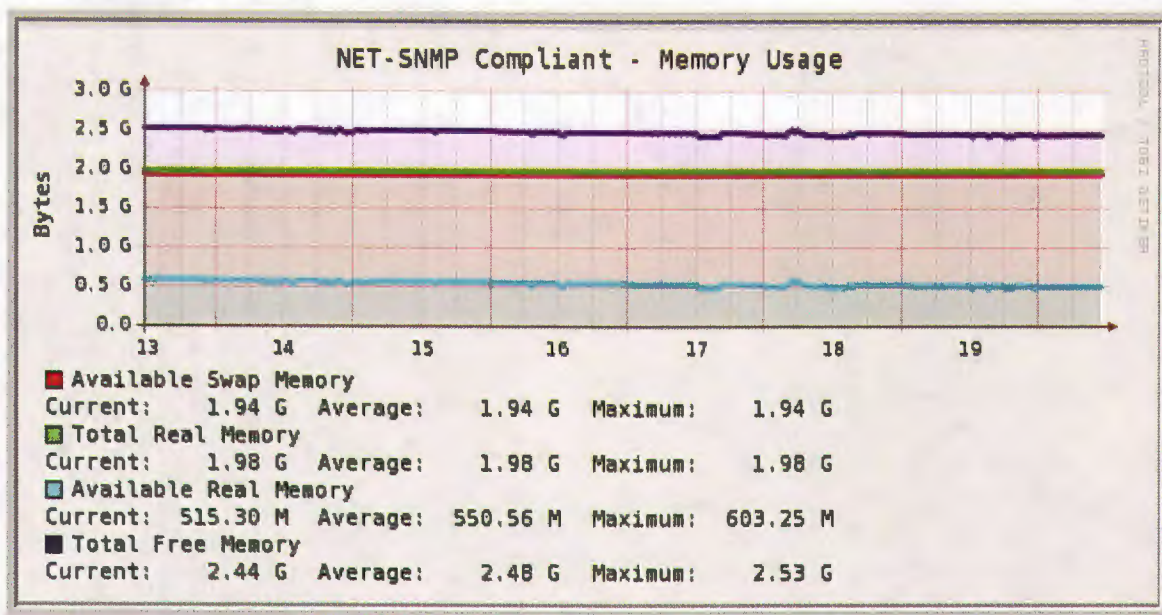


Figure 112 NET-SNMP Compliant - Memory Usage

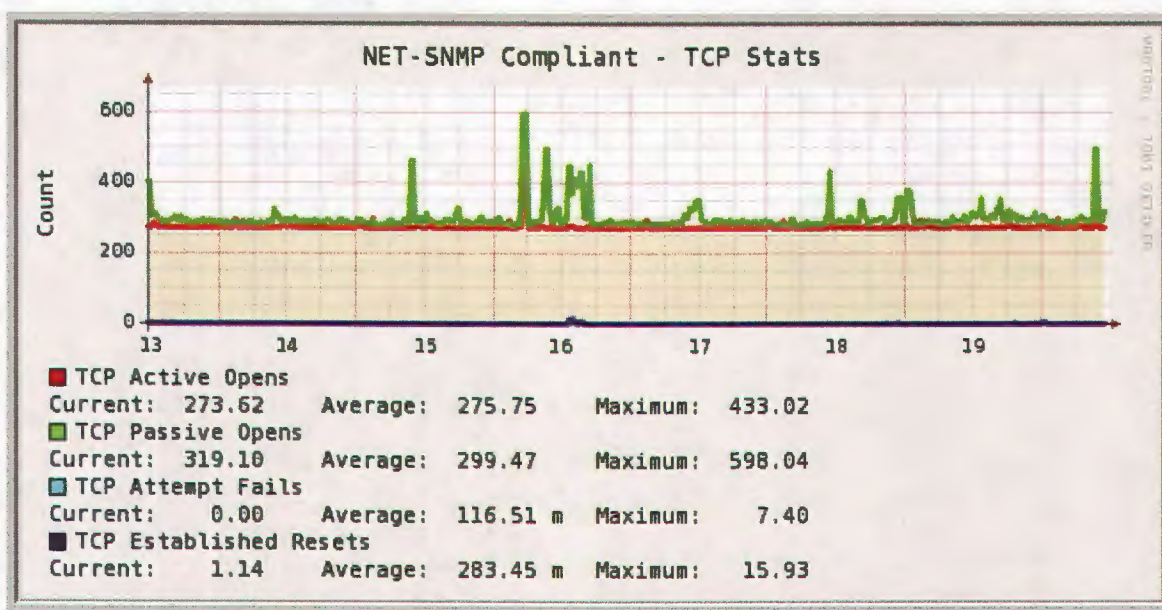


Figure 113 NET-SNMP Compliant - TCP Stats

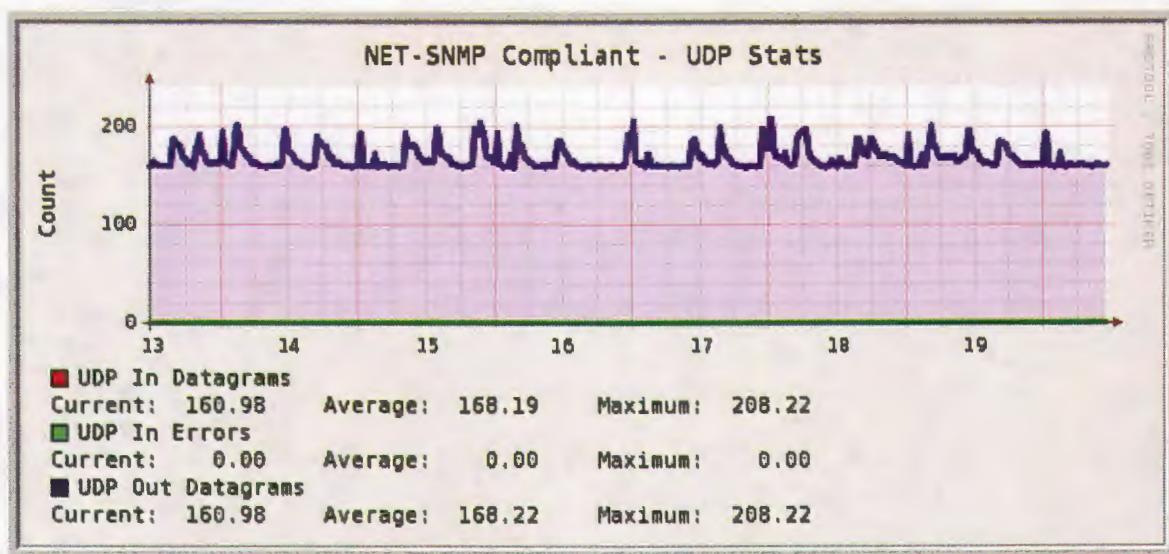


Figure 114 NET-SNMP Compliant - UDP Stats

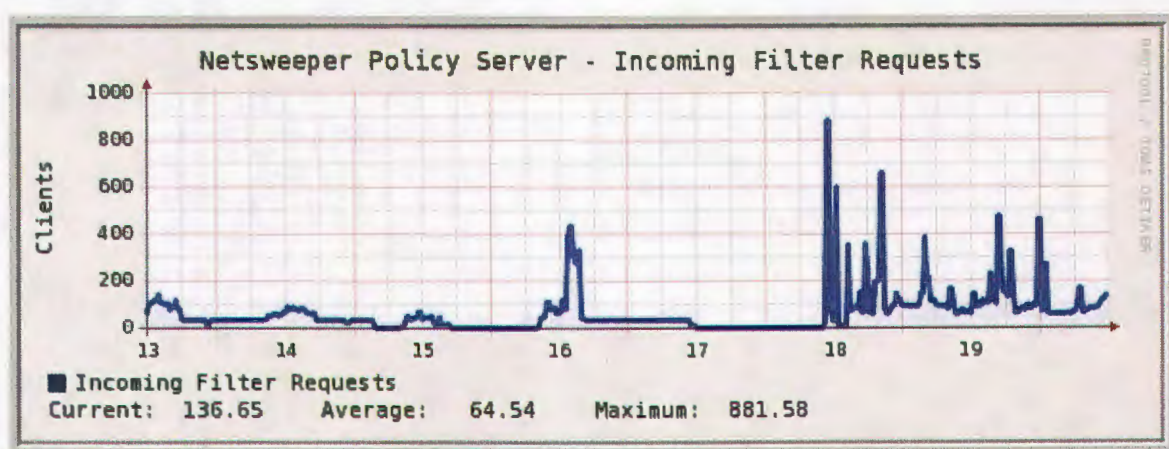


Figure 115 Netsweeper Policy Server - Incoming Filter Requests