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Netsweeper User Acceptance Document 8.1

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Netsweeper User Acceptance Document

About the Resource Page

Certain files and other resources can be found at this resource page.

https://helpdesk.netsweeper.com/docs/UAT/8_1_Resources/User_Acceptance_Resource_8_1_Page.html

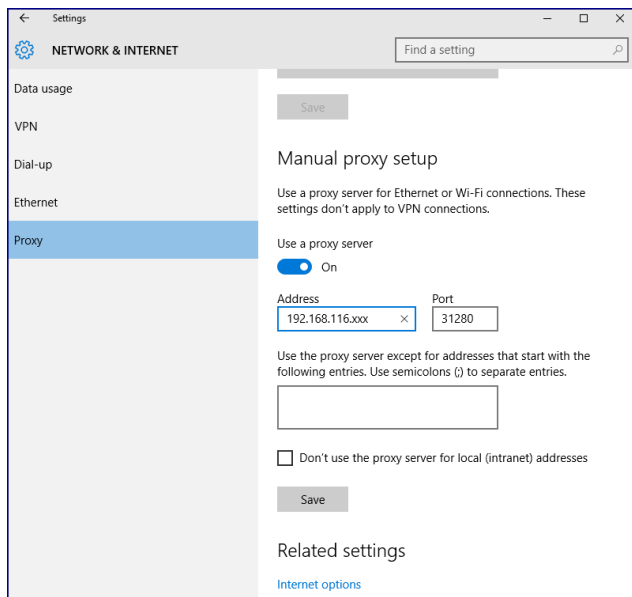
Filtering for the Test Workstation

The Netsweeper solution must be deployed so that it can route RST packets to both the filtered workstation and the web server.

- Specific UDP ports must be able to communicate to the central Web Admin (UDP 3161).
- In the 8.1 default install, NSProxy is enabled.
- This document assumes that NSProxy is enabled.

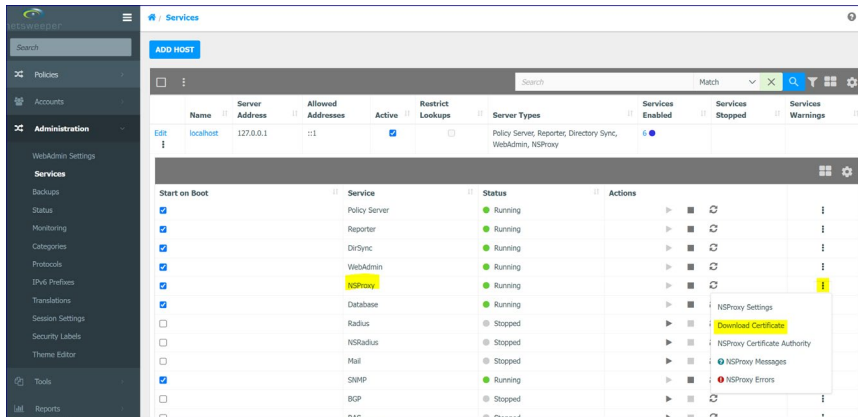
NSProxy Installation on Testworkstation

On your testworkstation, setup the proxy in your browser. Use the IP of your Policy Server and port 31280.

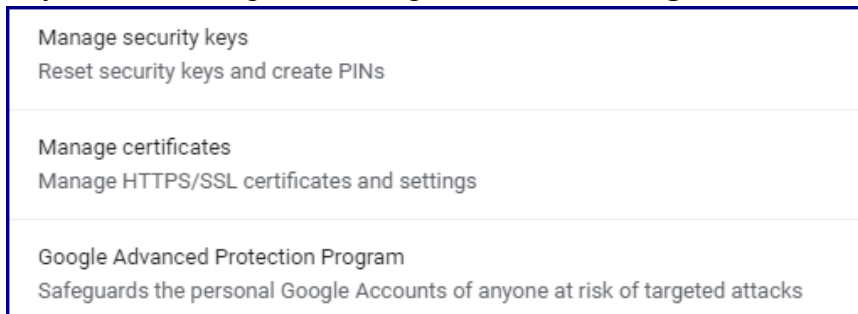


Importing a Certificate

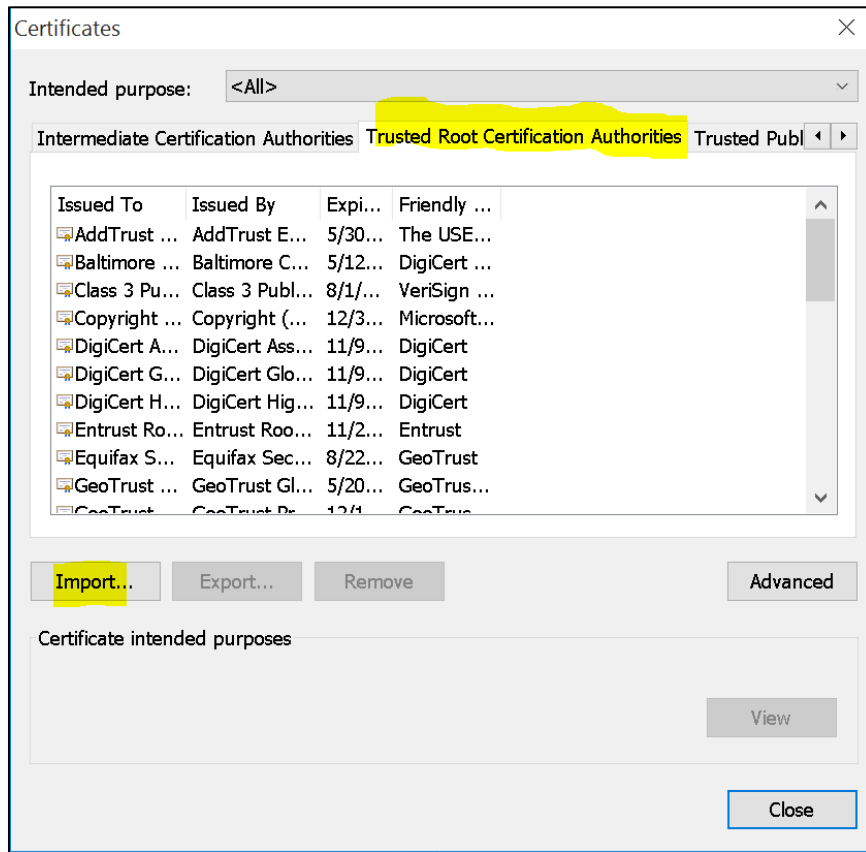
1. In the WebAdmin, go to Administration > Services and click on the **Services** tab.
2. Expand the localhost to display the Server Management page.
3. In the 'NSProxy' section, click the **Download Certificate** link. The certificate is downloaded to your download directory.



4. Copy the certificate to your workstation.
5. In your browser, go to Settings and click **Manage certificates**.



6. Click the **Trusted Root Certification Authorities** and click **Import**.



7. Follow the steps in the wizard to import the certificate.

Preconditions - Setup Filtering Group and Client

As a precondition of some of the procedures in the is document, a filtered Client workstation must be available for generating traffic and be assigned to a known Group and Client. You will need to assign the IP of your test workstation to your Client. The **testgroup** group must only have one group **default** policy.

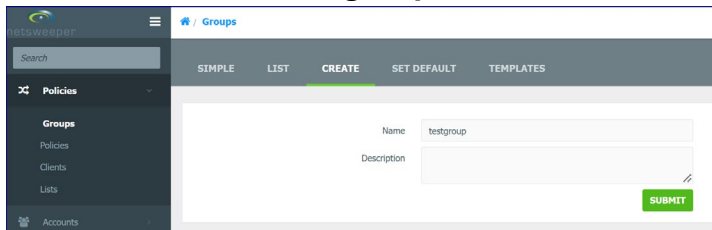
The Precondition section will:

- Create a Group 'testgroup'
- Create a Client 'testworkstation'
- Create a Policy 'testPolicy'
- Create a Simple Group 'TestGroup2'

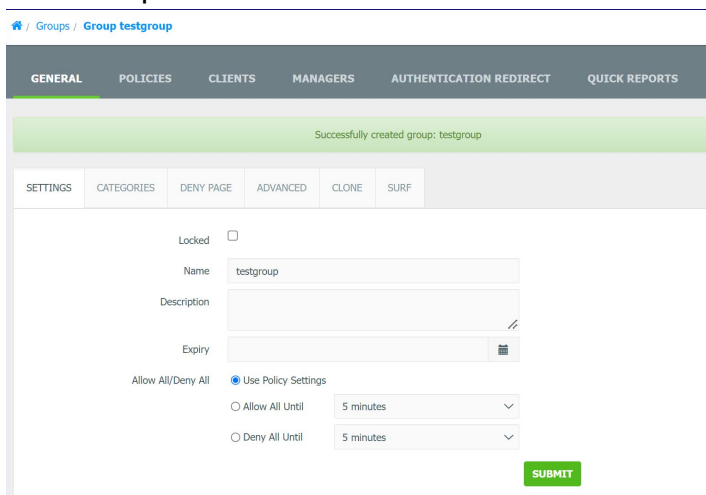
This document will assume that this section is completed as part of the precondition.

Creating a Group 'testgroup'

1. In the WebAdmin, go to Policies > Groups.
2. In the 'Groups' window, click the **Create** tab.
3. In Name field enter **testgroup** and click **Submit**.

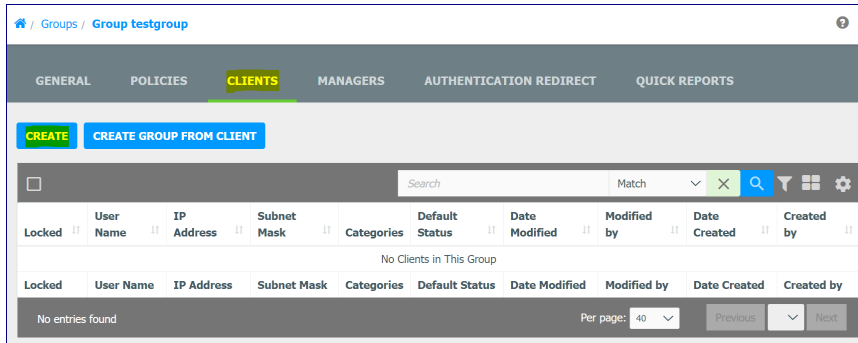


4. The Group is created.



Create Testworkstation Client

1. Click the **Clients** tab and the **Create** button.



2. In the 'Add Client to Group' ensure that the 'testgroup' is selected and click the 'Workstation Address' radio button in the 'client Type' section.
3. Enter the 'Client Name' **testworkstation**, the IP of your test workstation and a Workstation Name. Your window should look like the image below.

4. When done, click **Submit**. The new Client displays in the **Clients** tab.

Create Policy 'testpolicy'

1. In the testgroup, click the **Policies** tab and then the **List** tab.
2. Click the **default** Policy Name.

The screenshot shows the 'Policies' tab selected in the 'testgroup'. The 'LIST' sub-tab is active, displaying a table with one policy named 'default'. The table has columns for Policy Name, Category Count, Default Status, Date Modified, Modified by, Date Created, and Created by. The 'default' policy has a category count of 48, a default status of 'Deny', and was modified and created on 2022-12-01 09:48:43 by 'admin'. A search bar and filter icons are at the top of the table. The bottom of the page shows 'Showing 1 to 1 of 1' and 'Per page: 10'.

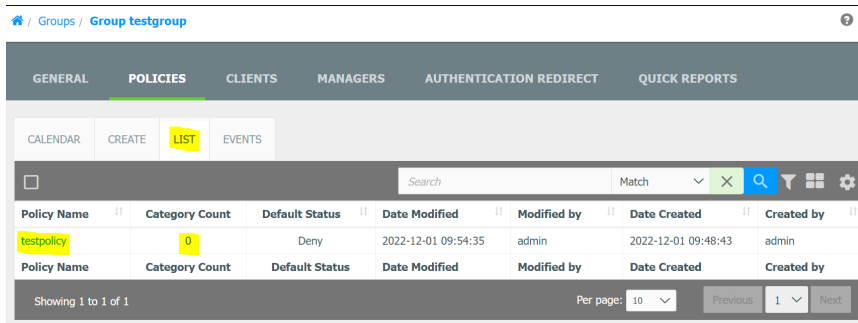
3. Rename the Policy to **testpolicy** and click **Submit**.

The screenshot shows the 'Policy default in 0' edit page. The 'GENERAL' tab is selected. At the top, there are 'CLONE' and 'SURF' buttons. Below the tabs, a green message bar says 'Successfully updated the time policy;'. The form fields include: Name (testpolicy), Description (empty), Policy Template (checkbox), and Category Action (radio buttons for Block and Allow). A green 'SUBMIT' button is at the bottom right.

4. Click the **Categories** tab and select the **None** Category Template.
5. Click **Submit**.

The screenshot shows the 'Policy testpolicy in testgroup' edit page. The 'CATEGORIES' tab is selected. At the top, there are 'CLONE' and 'SURF' buttons. Below the tabs, a green message bar says 'Successfully saved new category selection for policy testpolicy in group testgroup.'. The 'DENY PAGE' section shows a dropdown menu with 'None' selected. Below it, it says '0 Blocked'. At the bottom, a note says 'To filter categories select a category template from the dropdown.'

- Click the breadcrumb to return to the testgroup main page. You should see a Category Count of 0.

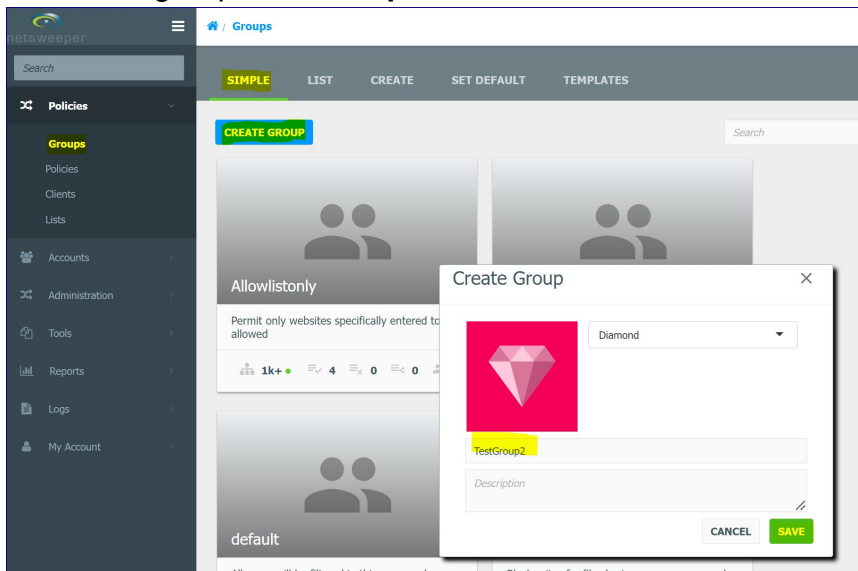


The screenshot shows the 'Group testgroup' page with the 'POLICIES' tab selected. A table lists the policies, with the first row highlighted in yellow.

Policy Name	Category Count	Default Status	Date Modified	Modified by	Date Created	Created by
testpolicy	0	Deny	2022-12-01 09:54:35	admin	2022-12-01 09:48:43	admin

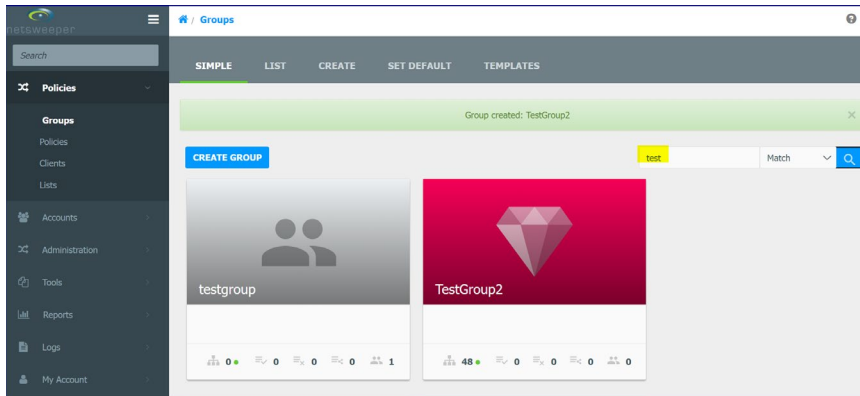
Creating a Simple Group 'TestGroup2'

- Go to Policies > Groups and click the **Simple** tab.
- Click the **Create Group** button.
- In the 'Create Group' window, select **Diamond** for the icon.
- Name the group **TestGroup2** and click the **Save** button.



- In the **Simple** tab, enter **test** in the Search field and click Search.

6. The new Simple Group displays, as well as the 'testgroup' created earlier.



7. We will use this Group later.

Monitoring

Purpose

Normal operation of the Netsweeper solution involves monitoring fundamental statistics on each server. Information such as Netsweeper Request per second, Netsweeper Cache, Netsweeper errors, etc..., are gathered over time and made available for analysis by the system administrator. The WebAdmin interface for the Netsweeper solution provides access to relevant system status information, providing average and maximum values over time. This test case will verify the correct operation of a portion of the Netsweeper filtering platform's monitoring capabilities.

Precondition

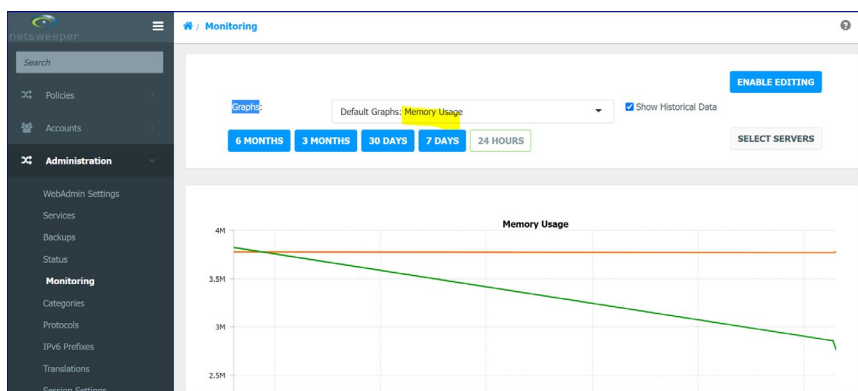
The Netsweeper solution must have been running and intercepting traffic for a period of at least 1 hour with testing taking place to generate allowed and denied request.

Test Procedure: Monitoring

1. In the WebAdmin, select Administration > Monitoring.
2. Select Default Graphs: Memory Usage from the 'Graphs' dropdown list.

Pass Criteria

The monitoring graph will appear showing the Memory usage varying over the past hour.



Notes

There are hundreds of SNMP MiBs that can be viewed using the system monitoring page. We suggest testing these MiBs. MiB's that are outlined in the Netsweeper Configuration manuals. Each service that is documented in these manuals has a list of MiB's available.

[SNMP MIBs in 8.1](#)

Notes	
Result (Pass or Fail)	
Result Comments	

Enabling Report Fields in WebAdmin Settings

For the next test, we will be required to enable a Report Data Field.

1. Go to Administration > **WebAdmin Settings**.
2. Scroll down to **Report Settings**.
3. **Hold the <CTRL> key so as not to de-select all the other selected fields.**
4. Choose **Denied Category Numbers** from the 'Enabled Data Fields'.
5. Click **Submit** to save the changes.

Report Settings

Maximum Reports Per Page	20
Maximum Report Templates Per Page	20
Maximum Quick Demand Reports Per Page	20
Maximum Quick Reports Per Page	20
Maximum Report Instances Per Page	20
Maximum Quick Report Instances Per Page	10
Maximum WebAdmin Report Table Rows	20
Maximum Report Name Display Length	40
Enabled Data Fields	Client Name Date Denied Categories Denied Category Numbers Denied Flag
Enabled Report Filter Fields	All Categories Client IP Address Client Name Date Denied Categories

Testing Local Lists

Purpose

Each individual Policy has a Local List with a list of specific URLs to allow or deny. This list can contain a mix of URLs, keywords, and file extensions. This test verifies the function of the local list, and that local filtering only applies to the appropriate group.

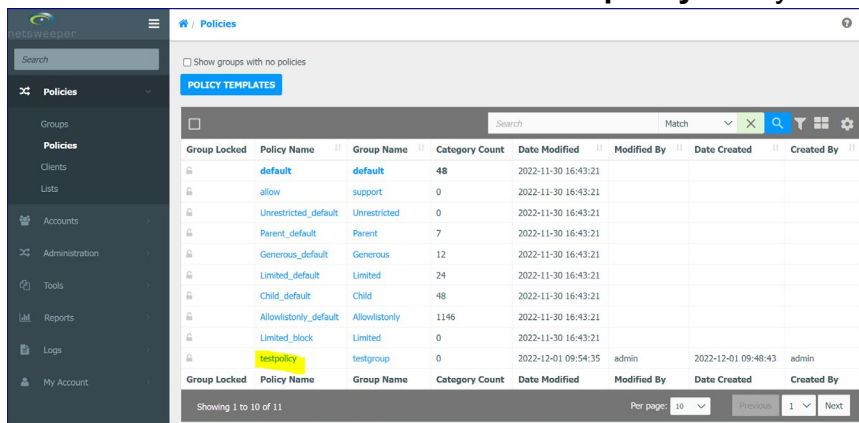
Precondition

See: Setting up Filtering Group and Client

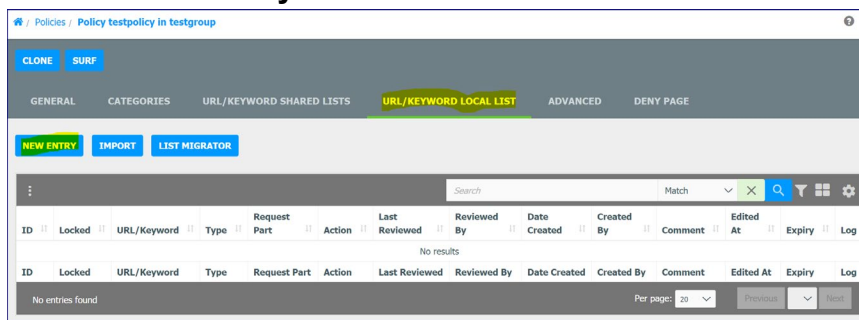
Test Procedure: Local Lists

In the WebAdmin:

1. Go to Policies > Policies and click the **testpolicy** Policy Name.



2. Click the **URL/Keyword Local List** tab.
3. Click the **Create Local List** button.
4. Click the **New Entry** button.



5. Add facebook.com in the 'New Entry' field (or another **example.com** where **example.com** represents the URL of your choice.)
6. Ensure **URL** 'Entry Type' is selected in the dropdown list.
7. Ensure **Request URL** is selected from the 'Request Part' section.

8. Select **Deny** in the 'Action' section.

Policy testpolicy in testgroup

CLONE SURF

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS **URL/KEYWORD LOCAL LIST** ADVANCED DENY PAGE

NEW ENTRY New Entry

New Entry

Entry Type ☐ Case Insensitive

Request Part

Action

Expiry

Comments

RESET FORM CLOSE **SAVE ENTRY**

9. Click the **Save Entry** button.

10. The entry is added to the Local List.

Policy testpolicy in testgroup

CLONE SURF

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS **URL/KEYWORD LOCAL LIST** ADVANCED DENY PAGE

NEW ENTRY **IMPORT** **LIST MIGRATOR**

Added Entry 'facebook.com' to Local List for policy 'testpolicy' in group 'testgroup'

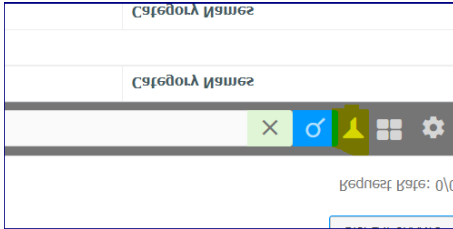
ID	Locked	URL/Keyword	Type	Request Part	Action	Last Reviewed	Reviewed By	Date Created	Created By	Comment	Date Modified	Modified By	Expiry	Log
1038		facebook.com	URL	URL	Deny			Dec 1, 2022 10:03:47	admin		Dec 1, 2022 10:03:47	admin		History

Showing 1 to 1 of 1 Per page: 50 Previous 1 Next

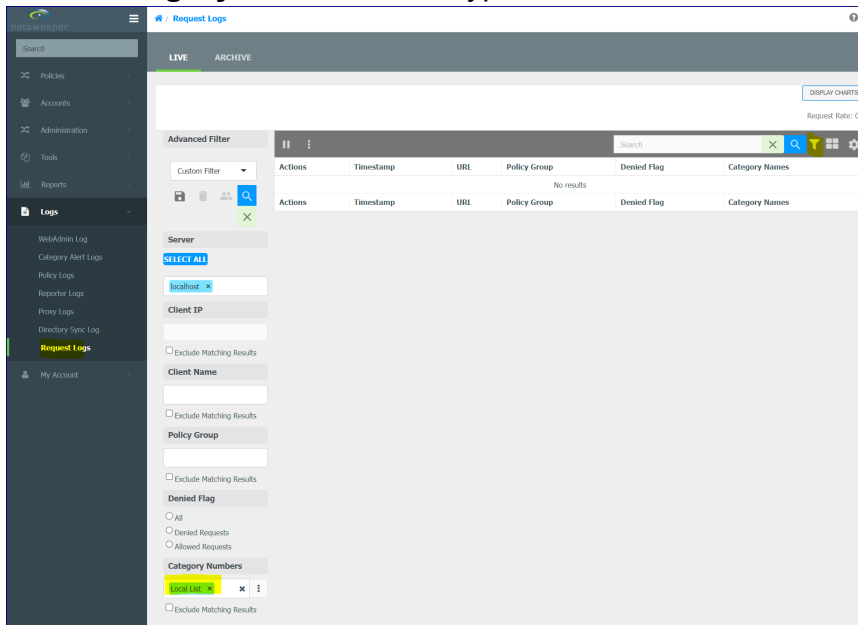
Request Logs Advanced Filters

We now want to add a Request Log Filter to our Request Logs window.

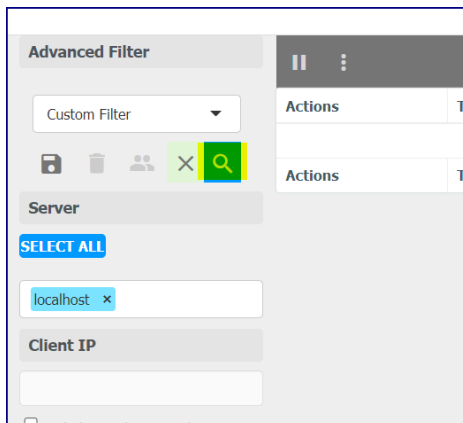
1. Go to Logs > Request Logs and click the **Advanced Filter** icon in the Table Header.



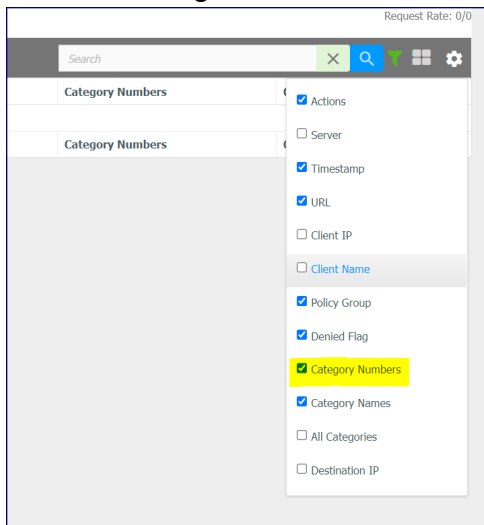
2. In the **Category Numbers** field type and then choose **Local List**.



3. Click the **Search** icon.

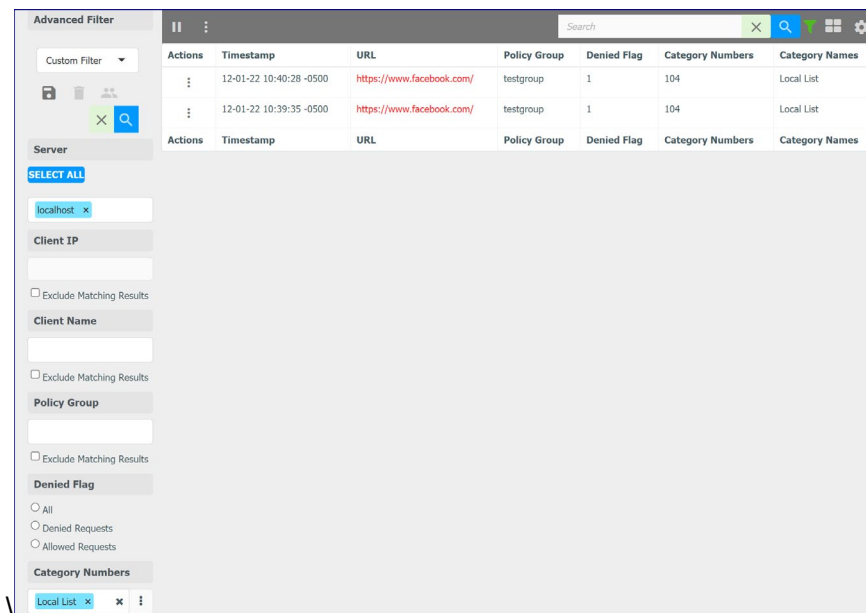


- Click the Settings icon and place a checkmark beside **Category Names**. Please note that the green Filter icon indicates that the window is filtered.

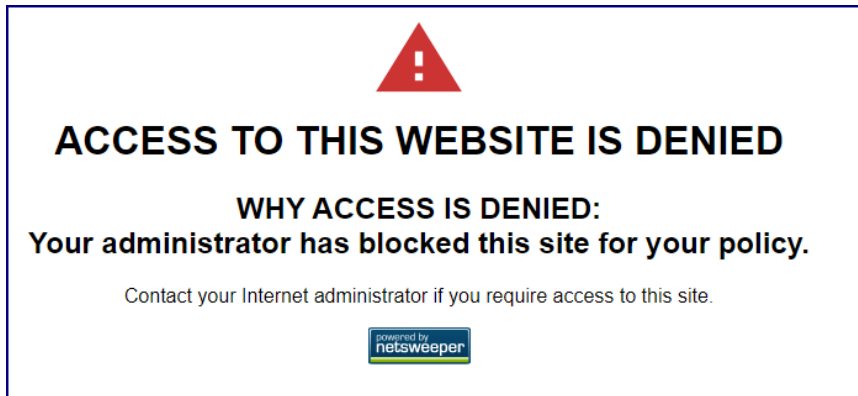


On the test Workstation filtered by testgroup:

- Clear the cache in your browser.
- Browse to the link:
<https://facebook.com>
<https://www.facebook.com>
- This is the site we enter in our Local List in the previous step.
- Request Logs should show that all the sites are unreachable. The 'Category Numbers' field should display '104' and the 'Category Names' field should display 'Local List'.



5. And a deny page displays in the testworkstation browser.



Pass Criteria

Using the filtered workstation in the **testgroup** group, browse to facebook.com or *example.com (if using)*. The Webpage **will** be unreachable.

Notes	
Result (Pass or Fail)	
Result Comments	

Domain Filter

Purpose

The Netsweeper solution can block specific domains. For example, it can block any URL or subdomain of a specific domain. This test case verifies that domain filtering behaves as expected for a Group's Local List.

Precondition

See: Setting up Filtering Group and Client

Test Procedure: Domain Filter

In the WebAdmin:

1. Go to Policies > Policies and click on **testpolicy**.
2. Click the **URL/Keyword Local List** tab.
3. Click the **New Entry** button.
4. Add **domain.com** in the 'New Entry' field. (Where *domain.com* represent the URL of your choice).
5. Ensure **URL** 'Entry Type' is selected in the dropdown list.
6. Ensure **Request URL** is selected from the 'Request Part' section.
7. Select the **Deny** tab in the 'Action' section.

The screenshot shows the 'New Entry' form in the Netsweeper WebAdmin. The form is titled 'New Entry' and has a close button (X) in the top right corner. The 'New Entry' field contains the text 'domain.com'. Below this, the 'Entry Type' is set to 'URL' with a dropdown arrow. To the right of 'Entry Type' is a checkbox labeled 'Case insensitive'. The 'Request Part' is set to 'Request URL' with a dropdown arrow. The 'Action' is set to 'Deny' with a dropdown arrow. The 'Expiry' field is empty and has a calendar icon to its right. The 'Comments' field is a text area. At the bottom of the form, there are three buttons: 'RESET FORM' (blue), 'CLOSE' (grey), and 'SAVE ENTRY' (green). The background shows the 'URL/KEYWORD LOCAL LIST' tab selected in the top navigation bar.

8. Click the **Save Entry** button.

On your Test Workstation:

1. Clear the cache in your browser.

-
2. Browse to these six links:

<http://domain.com>

<http://www.domain.com>

<http://mail.domain.com>

<https://domain.com>

<https://www.domain.com>

<ftp://domain.com>

3. Content is unreachable for all six links.

Pass Criteria

Using the filtered workstation in the **testgroup** group, browse to any URL that belongs to your specified *domain.com*. The webpage **will not** be reachable.

Notes	
Result (Pass or Fail)	
Result Comments	

Deny Specific Category

Purpose

The Netsweeper solution can filter based on the Category which the URL belongs to. The system administrator can select the categories that will not be accessible to the end users.

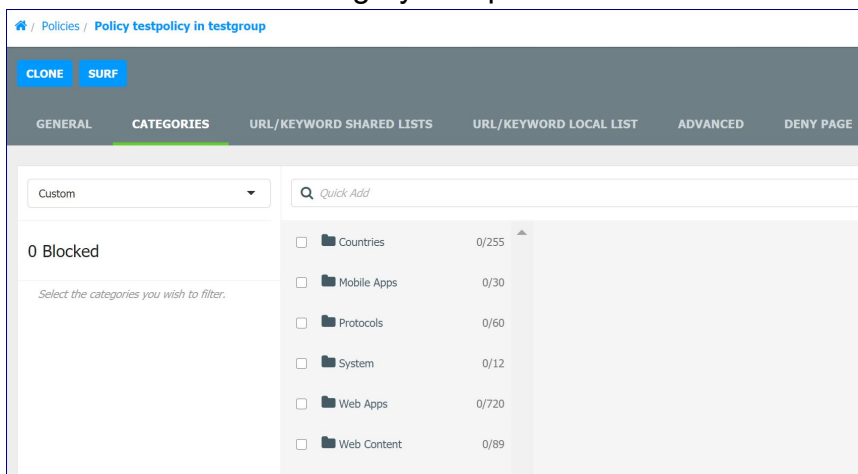
Precondition

See: Setting up Filtering Group and Client

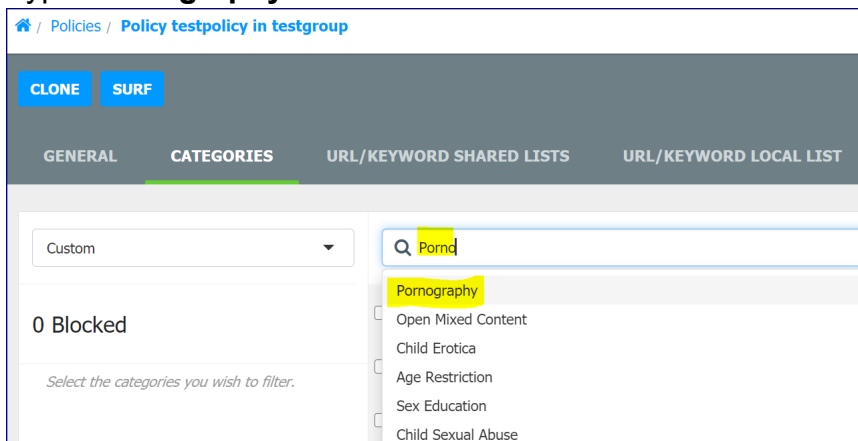
Test Procedure: Deny Specific Category

In the WebAdmin:

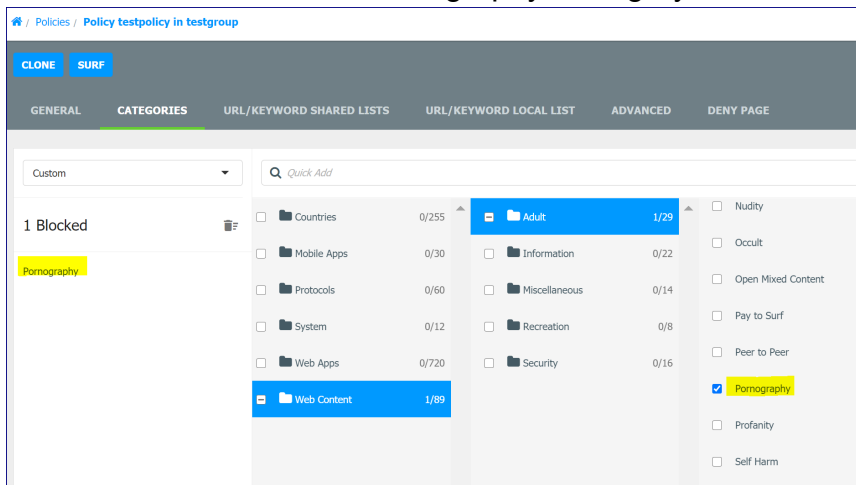
1. Go to Policies > Policies and click on **testpolicy**.
2. Click the **Categories** tab.
3. Select the **Custom** Category Template.



4. Type **Pornography** in the 'Quick Add' field and click to add it.



5. Click **Submit** to add the 'Pornography' Category.



6. Go to Policies > Policies

7. You can see that the 'Category Count' for the **testpolicy** is **1**.

Group Locked	Policy Name	Group Name	Category Count	Date Modified	Modified By
	default	default	48	2022-11-30 16:43:21	
	allow	support	0	2022-11-30 16:43:21	
	Unrestricted_default	Unrestricted	0	2022-11-30 16:43:21	
	Parent_default	Parent	7	2022-11-30 16:43:21	
	Generous_default	Generous	12	2022-11-30 16:43:21	
	Limited_default	Limited	24	2022-11-30 16:43:21	
	Child_default	Child	48	2022-11-30 16:43:21	
	Allowlistonly_default	Allowlistonly	1146	2022-11-30 16:43:21	
	Limited_block	Limited	0	2022-11-30 16:43:21	
	testpolicy	testgroup	1	2022-12-01 10:45:33	admin

On your Test Workstation:

1. Clear the cache in your browser.
2. Browse to a pornography links such as sex.com.
3. The intended Webpage is unreachable.

Pass Criteria

Using the filtered workstation in the **testgroup** group, browsing to URL that belongs to the selected Pornography Category **will not** be reachable.

Notes	
Result (Pass or Fail)	

Result Comments	

Category Templates

Purpose

The Netsweeper solution allows for the creation of Category Templates. Category Templates define a set of Categories recommended for the default Policies and these can be applied to Policies and Clients.

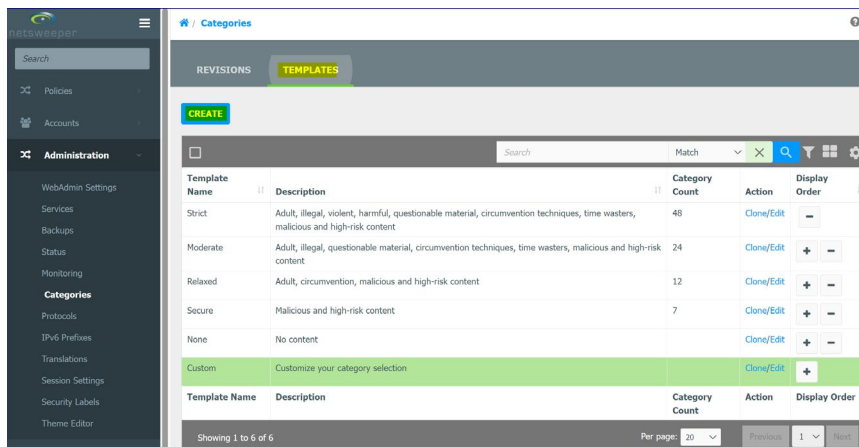
Precondition

See: Setting up Filtering Group and Client

Test Procedure: Deny Specific Category

In the WebAdmin:

1. Go to Administration > Categories and click on the **Templates** tab.
2. Click the **Create** button.



3. Name the Template **School Hours Categories** and a mandatory Description.

4. In the **Hierarchy View** tab, add a checkmark to the **Web Content** folder and click to select all Categories.

89 Categories

Category	Count	Selected
Abortions	0/255	☐
Ad Blocking	0/30	☐
Adult Mixed Content	0/60	☐
Advertising	0/12	☐
Adware	0/720	☐
Age Restriction	0/720	☐
Alcohol	0/720	☐
Countries	0/255	☒
Mobile Apps	0/30	☒
Protocols	0/60	☒
System	0/12	☒
Web Apps	0/720	☒
Web Content	89/89	☒
Adult	29/29	☒
Information	22/22	☒
Miscellaneous	14/14	☒
Recreation	8/8	☒
Security	16/16	☒

5. Click **Submit**. The 'Successfully added a new category template' message displays.
6. Use the Breadcrumbs to return to the **Templates** tab. You will see the 'School Hours Categories' Template.

Template Name	Description	Category Count	Action	Display Order
School Hours Categories	School Hours Categories	89	Clone/Edit	-
Strict	Adult, illegal, violent, harmful, questionable material, circumvention techniques, time wasters, malicious and high-risk content	48	Clone/Edit	+
Moderate	Adult, illegal, questionable material, circumvention techniques, time wasters, malicious and high-risk content	24	Clone/Edit	+
Relaxed	Adult, circumvention, malicious and high-risk content	12	Clone/Edit	+
Secure	Malicious and high-risk content	7	Clone/Edit	+
None	No content		Clone/Edit	+
Custom	Customize your category selection		Clone/Edit	+

7. Click the **Clone** link beside **School Hours Categories** Template.
8. Click the **Edit** link for the cloned Category Template
9. Change the name of this Template to **After School Categories** and Description field and click **Submit**.
10. In the left column, scroll down to **Social Networking** and click to delete the Category. This Category, which includes Facebook and YouTube, will now be

allowed for this Category Template.

Categories / Modify Category Template

Name: After School Categories

Customization Template: ☐

Description: After School Categories

89 Categories

Quick Add

Sales

Search Engine

Self Harm

Sex Education

Social Networking

Sports

Streaming Media

Substance Abuse

Countries 0/255

Mobile Apps 0/30

Protocols 0/60

System 0/12

Web Apps 0/720

Adult 29/29

Information 22/22

Miscellaneous 14/14

Recreation 8/8

Security 16/16

Web Content 89/89

Lifestyle Choices

Medication

Military

Portals

Real Estate

Religion

Sex Education

Social Networking

11. Click **Submit** again to add the updated Categories.

12. Return to the **Templates** tab and you should see the Category Templates we just created. These will be used in the next procedure.

Categories

REVISIONS TEMPLATES

CREATE

Search Match

Template Name	Description	Category Count	Action	Display Order
After School Categories	After School Categories	88	Clone/Edit	+
School Hours Categories	School Hours Categories	89	Clone/Edit	+
Strict	Adult, illegal, violent, harmful, questionable material, circumvention techniques, time wasters, malicious and high-risk content	48	Clone/Edit	+
Moderate	Adult, illegal, questionable material, circumvention techniques, time wasters, malicious and high-risk content	24	Clone/Edit	+
Relaxed	Adult, circumvention, malicious and high-risk content	12	Clone/Edit	+
Secure	Malicious and high-risk content	7	Clone/Edit	+

Time Based Policy: Using Policy Events

Purpose

In some cases, users may wish to block access to sites only at specific times. This test case will verify that time policies operate as expected.

Precondition

See: Setting up Filtering Group and Client

The created 'After School' and 'School Hours' Category Templates.

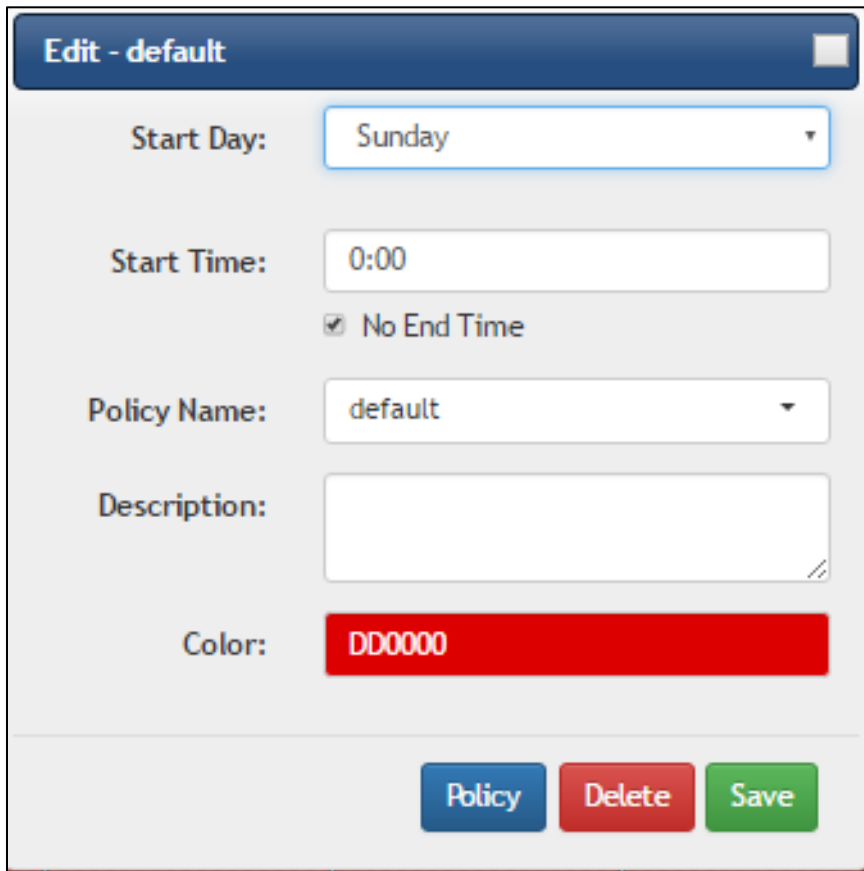
Test Procedure: Policy Events

In the WebAdmin:

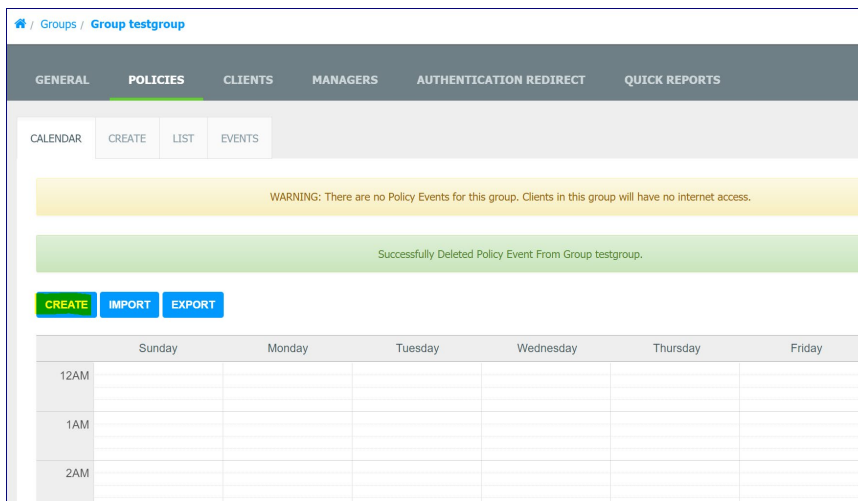
1. Go to Policies > Groups and click the **List** tab.
2. Click on **testgroup**.
3. Click the **Policies** tab.
4. We are going to delete the default Calendar Event so in the Policy Calendar tab, click the default Policy Event (in red)

	Sunday	Monday	Tuesday	Wednesday
12AM	testpolicy 12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am
1AM				
2AM				
3AM				

5. Click the **Delete** button.



6. Click the **Create** button.



7. In the Create window, click the No End Time checkbox.
8. Enter **After_School_Policy** (with no spaces) in the 'Policy Name' field and a description.

9. Enter the Color **F5FFDB** and click **Save**.

Create

Start Day: **Sunday**

Start Time: **0:00**

☒ No End Time

Policy Name: **After_School_Policy**

Description:

Color: **F5FFDB**

SAVE

10. The default 'After School Policy' is created.

[Groups](#) / [Group testgroup](#)

GENERAL **POLICIES** CLIENTS MANAGERS AUTHENTICATION REDIRECT QUICK REPORTS

CALENDAR CREATE LIST EVENTS

Created Policy Event in group 'testgroup'

CREATE **IMPORT** **EXPORT**

	Sunday	Monday	Tuesday	Wednesday	Thursday
12AM	After_School_Policy 12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am
1AM					
2AM					
3AM					
4AM					

11. Click the **Create** button again.

12. Select 'Start Day' and 'Stop Day' as Monday.

13. Select 'Multiple Days'

14. Select 'Start Time' as 8:00 and 'Stop Time' as 16:00.

15. In the 'Day Selection' field select Monday to Friday inclusive.

16. Enter the 'Policy Name' **School_Hours_Policy** with no spaces and a description.

17. Enter the Color **FFE08A**.

18. Click **Save**.

Create

Start Day:Monday

Start Time:8:00

☐ No End Time☒ Multiple Days

Stop Day:Monday

Stop Time:16:00

Day Selection:Monday × Tuesday × Wednesday × Thursday × Friday ×

Policy Name:School_Hours_Policy

Description:Policy for the School Hours

Color:FFE08A

SAVE

19. The ‘School Hours Policy’ display in the designated time.

Groups / Group testgroup

GENERAL

POLICIES

CLIENTS

MANAGERS

AUTHENTICATION REDIRECT

QUICK REPORTS

CALENDAR

CREATE

LIST

EVENTS

Created Policy Event in group 'testgroup'

CREATE

IMPORT

EXPORT

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12AM	After_School_Policy 12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am	12:00 am to 12:00 am
1AM							
2AM							
3AM							
4AM							
5AM							
6AM							
7AM							
8AM		School_Hours_Policy 08:00 am to 04:00 pm Policy for School Hours	School_Hours_Policy 08:00 am to 04:00 pm Policy for School Hours	School_Hours_Policy 08:00 am to 04:00 pm Policy for School Hours	School_Hours_Policy 08:00 am to 04:00 pm Policy for School Hours	School_Hours_Policy 08:00 am to 04:00 pm Policy for School Hours	
9AM							

20. Click the **List** tab and confirm that the 'After School Policy' and the 'School Hours Policy' are listed.

Policy Name	Category Count	Default Status
After_School_Policy	48	Deny
School_Hours_Policy	48	Deny
testpolicy	1	Deny

21. Select the **testpolicy (Errors)** Policy and click the **Delete** icon in the Table Header bar.

22. Click the **After_School_Policy** and then on the **Categories** tab for that Policy.

23. Select the **After School Categories** Template created in the previous procedure and click **Submit**.

After School Categories			
88 Blocked			
Abortions	Ad Blocking	Adult Mixed Content	Advertising
Adware	Age Restriction	Alcohol	Arts and Culture
Body Modification	Bullying	Business	Child Erotica
Child Sexual Abuse	Classifieds	Content Server	Copyright Infringement

24. Use the breadcrumbs to return to the Policy List.

25. Select the **School Hours Policy** and repeat the steps to assign the School Hours Categories.

26. When done, verify that you Policies > List tab looks like this.

Groups / Group testgroup

GENERAL

POLICIES

CLIENTS

MANAGERS

AUTHENTICATION REDIRECT

QUICK REPORTS

CALENDAR

CREATE

LIST

EVENTS

Search

Match

Policy Name	Category Count	Default Status	Date Modified	Modified by	Date Created	Created by
After_School_Policy	88	Deny	2022-12-01 10:57:12	admin	2022-12-01 10:54:35	admin
School_Hours_Policy	89	Deny	2022-12-01 10:57:24	admin	2022-12-01 10:55:55	admin
Policy Name	Category Count	Default Status	Date Modified	Modified by	Date Created	Created by

Showing 1 to 2 of 2

Per page: 10

Previous

1

Next

Pass Criteria

1. Go to Tools > Trace Request window.
2. Select the 'Group Name' **testgroup** and the 'Policy Name' **After_School_Policy**,
3. Enter facebook.com or another 'Social Networking' site and click the **Send Request** button.
4. The site is allowed under 'Social Networking'.

Client Name:

Client IP Address: [BROWSE IP](#)

Group Name: **testgroup**

Policy Name: **After_School_Policy**

URL: **http://facebook.com**

Destination IP Address:

User Agent:

Referrer:

Event Type: Check Policy

☐ Show All Steps

[SEND REQUEST](#)

Step	List URL/Keyword	Result
Protocol DNS List	http://	Category: Hypertext Transfer
Master List Lookup	facebook.com	Category: Social Networking, Hypertext Transfer
Policy Categories Check		Category: Social Networking, Hypertext Transfer Decision: Allowed

5. Change the 'Policy Name' to **School_Hours_Policy** and click **Send Request**. The site is denied by 'Social Networking'.

[Trace Request](#)

Client Name:

Client IP Address: [BROWSER IP](#)

Group Name: testgroup x

Policy Name: **School_Hours_Policy** x

URL: **http://facebook.com**

Destination IP Address:

User Agent:

Referrer:

Event Type: Check Policy

☐ Show All Steps

[SEND REQUEST](#)

Policy Server: localhost (127.0.0.1)

Step	List URL/Keyword	Result
Protocol CNS List	http://	Category: Hypertext Transfer
Master List Lookup	facebook.com	Category: Social Networking, Hypertext Transfer
Policy Categories Check		Category: Social Networking, Hypertext Transfer Decision: Denied
Response URL Test		Category: Host is an IP Replace URL: http://192.168.116.177:8080/web...
Filter Bypass List Lookup	http://192.168.116.177:8080	Category: Filter Bypass List, Host is an IP Decision: Allowed

Notes

Policy Events are granular on a per-minute basis.

Result (Pass or Fail)

Result Comments

Lists Window

This section will test global filtering through the 'Lists' window.

System Deny List

Purpose

When websites need to be blocked globally, regardless of group policy, then the **System Deny List** is used. URLs placed on this list will be denied for all clients, regardless of group membership and specific policy/list settings.

Precondition

See: Setting up Filtering Group and Client

Additional Precondition: Adding a Test List

1. Go to Policies > Lists and click the **Create** tab.
2. Type **testlist** in the List Name
3. Click the **System Wide List** in the 'List Assignments' section.

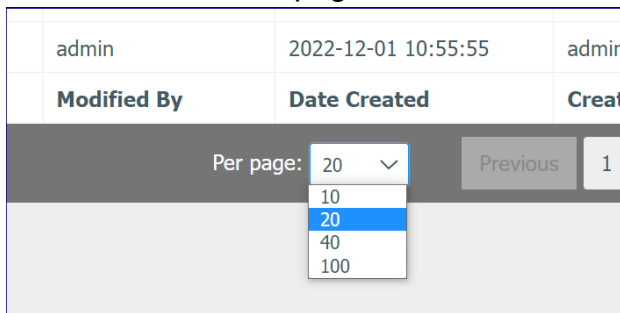
4. Click the **Create List** button.
5. The **testlist** appears in the 'Lists' window.

Test Procedure: System Deny List

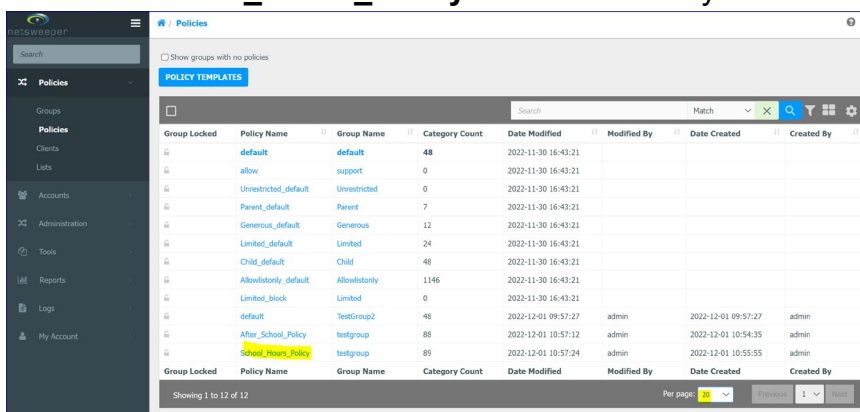
In the WebAdmin:

Modify Local List: The group that the user is assigned to must have a Local List that explicitly allows the URL you want to test with.

1. Go to Policies > Policies to open the Policies window.
2. At the bottom of the page, choose 20 from the Per page setting.



3. Click the **School_Hours_Policy** link for the Policy.



4. Click the **URL/Keyword Local List** tab.
5. Click the **Create Local List** button if displayed.
6. Click the **New Entry** button.
7. Add **pinterest.com** as the 'New Entry'.
8. Select the **URL** 'Entry Type' from the dropdown list.
9. Ensure **Request URL** is selected from the 'Request Part' section.

10. Select **Allow** in the 'Action' section.

Search

CLONE SURF

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS **URL/KEYWORD LOCAL LIST** ADVANCED DENY PAGE

NEW ENTRY

New Entry

Entry Type ☐ Case Insensitive

Request URL

Action

Expiry

Comments

RESET FORM CLOSE SAVE ENTRY

11. Click **Save Entry**. The URL is added to the Local List.

CLONE SURF

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS **URL/KEYWORD LOCAL LIST** ADVANCED DENY PAGE

NEW ENTRY IMPORT LIST MIGRATOR

Added Entry 'pinterest.com' to Local List for policy 'School_Hours_Policy' in group 'testgroup'

ID	Locked	URL/Keyword	Type	Request Part	Action	Last Reviewed	Reviewed By	Date Created	Created By	Comment	Edited At	Expiry	Log
16		pinterest.com	URL	URL	Allow			Mar 16, 2021 10:13:36	admin		Mar 16, 2021 10:13:36		History

Showing 1 to 1 of 1

Per page: 20 Previous 1 Next

Modify System-Wide URL List:

1. Go to Policies > Lists
2. Click the **testlist** and click the **New Entry** button.
3. Add **pinterest.com**. (The same URL entry that was used in Step 5 for the **testgroup** Local List)
4. Select **Deny** in the 'Action' section.

The screenshot shows the 'New Entry' form in the Netsweeper interface. The form is titled 'New Entry' and has a close button (X). It contains fields for 'New Entry' (pinterest.com), 'Entry Type' (URL), 'Request Part' (Request URL), 'Action' (Deny), 'Expiry' (YYYY-MM-DD HH:MM:SS), and 'Comments'. There are buttons for 'RESET FORM', 'CLOSE', and 'SAVE ENTRY'.

5. Click the **Save Entry** button.
6. The Deny entry is added.

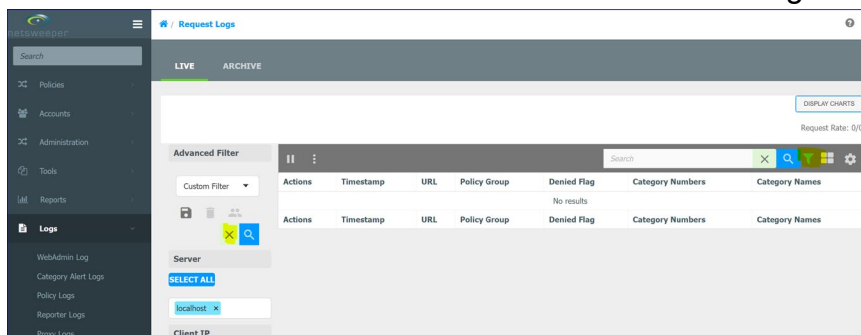
The screenshot shows the 'testlist' list in the Netsweeper interface. A green message bar at the top says 'Added Entry 'pinterest.com' to List 'testlist''. Below is a table with columns: ID, Locked, URL/Keyword, Type, Request Part, Action, Last Reviewed, Reviewed By, Date Created, Created By, Comment, Date Modified, and Modified By. The table shows one entry with ID 1040, URL/Keyword 'pinterest.com', Type 'URL', Request Part 'URL', Action 'Deny', and Date Created 'Dec 1, 2022 11:07:30'.

ID	Locked	URL/Keyword	Type	Request Part	Action	Last Reviewed	Reviewed By	Date Created	Created By	Comment	Date Modified	Modified By
1040		pinterest.com	URL	URL	Deny			Dec 1, 2022 11:07:30	admin		Dec 1, 2022 11:07:30	admin

On your Test Workstation:

1. Open the 'Request Logs' window under the Logs menu.

2. Clear the Advanced Filtering from the earlier procedure by opening the filtering pane and click the X. The Advanced Filter icon should no longer be green.



3. Clear the cache in your browser on the testworkstation.
4. Browse to *pinterest.com*.
5. The intended webpage will be unreachable.
6. The 'Request Logs' shows that it is denied by the 'System List'.

Actions	Timestamp	URL	Policy Group	Denied Flag	Category Numbers	Category Names
:	12-01-22 11:10:34 -0500	decrypt://www.google.com:443	testgroup	1	107	System List
:	12-01-22 11:09:50 -0500	http://192.168.116.151:8080/weba...	testgroup	0	102, 244	Filter Bypass List, Host is an IP
:	12-01-22 11:09:50 -0500	https://self.events.data.microso...	testgroup	1	31	Technology
:	12-01-22 11:09:50 -0500	decrypt://self.events.data.micro...	testgroup	1	107	System List
:	12-01-22 11:09:34 -0500	decrypt://www.google.com:443	testgroup	1	107	System List
:	12-01-22 11:09:29 -0500	https://192.168.116.151:8080	testgroup	0	102, 244	Filter Bypass List, Host is an IP
:	12-01-22 11:09:29 -0500	decrypt://192.168.116.151:8080	testgroup	1	107	System List
:	12-01-22 11:09:29 -0500	https://192.168.116.151:8080	testgroup	0	102, 244	Filter Bypass List, Host is an IP

Pass Criteria

Using the filtered workstation in the **testgroup** group, browsing to a URL in the **testlist** assigned to the System Deny List **will not** be reachable.

This occurs even though *pinterest.com* is allowed in the **testgroup** group policy due to List Processing order. The **System Wide List** will always take precedence over **Local Lists**.

Notes

Result (Pass or Fail)

Result Comments

Importing a System List

Purpose

The Netsweeper solution provides functionality for importing long System Lists (allow and deny.) Typically, these lists come from an external list (CSV file, spread sheet, etc.). This test case verifies the system list import feature.

Precondition

See: Setting up Filtering Group and Client

Additional Precondition 1: Adding a Test List

1. Go to Policies > Lists and click the **Create** tab.
2. Type **importlist** in the List Name
3. In the List Assignments section select **System Wide List**.
4. Click the **Create List** button.

5. Additional Precondition 2: Creating a URL Import List

You can download the systemlisttest.csv as a zip file from this link:

https://helpdesk.netsweeper.com/docs/UAT/8_1_Resources/User_Acceptance_Resource_8_1_Page.html

1. You can also create a .csv document.
2. Add the content as shown below.

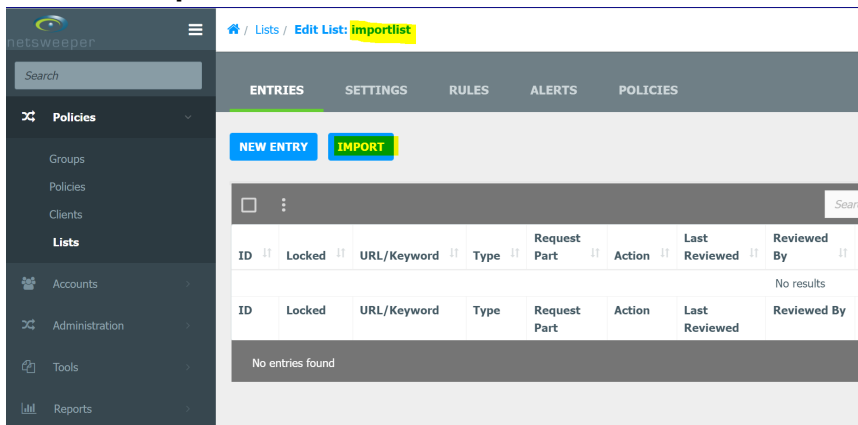
URL/Keyword	Type	Action	Action Arguments	Comments	Case Insensitive	Request Part
http://paypal.com	U	D			0	U
http://pinterest.com	U	A			0	U

3. Save the file as **systemlisttest.csv**. Use the UTF-16LE format.
Please verify that no other lists contain paypal.com or pinterest.com.

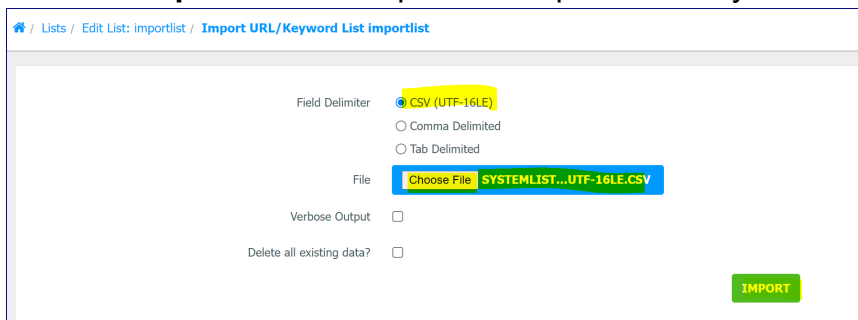
Test Procedure: Importing a System List

In the WebAdmin:

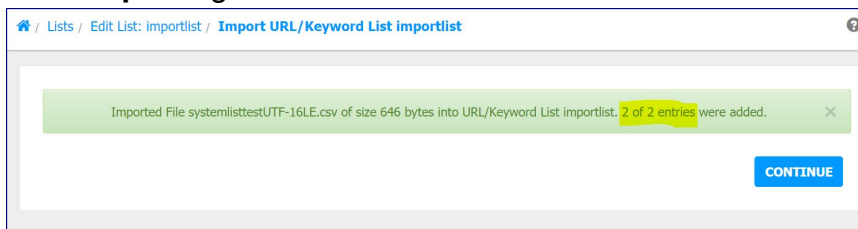
1. Go to Policies > Lists, click the **Lists** tab.
2. Click the **importlist** link that was created in *Additional Precondition 2*.
3. Click the **Import** button.



4. Click the **Choose File** button and select the **systemlisttestUTF-16LE.csv** file.
5. Click the **Import** button to open the 'Import URL/Keyword List' window.



6. Click **Import** again. You will see that '2 of 2 entries were added'.



7. Click the **Continue** button to return to the Edit List window.

8. You will see the two new entries: Pinterest.com and Paypal.com.

ID	Locked	URL/Keyword	Type	Request Part	Action	Last Reviewed	Reviewed By	Date Created	Created By
1041	☐	http://paypal.com	URL	URL	Deny			Jan 25, 2018 13:45:31	admin
1042	☐	http://pinterest.com	URL	URL	Allow			Jan 25, 2018 13:45:31	admin

Showing 1 to 2 of 2

9. Go to Tools > Trace Request

10. In the URL field, enter:

http://paypal.com

11. Click **Send Request**

12. Policy Server results should state that request was '**Denied**' at the *System Lists Lookup* Step. The name of the List (Importlist) that denied the request is also listed.

Client Name:
 Client IP Address: **BROWSE IP**
 Group Name:
 Policy Name:

URL: http://paypal.com
 Destination IP Address:
 User Agent:
 Referrer:
 Client Module Name:
 Event Type: Check Policy
☐ Show All Steps **SEND REQUEST**

Policy Server: localhost (127.0.0.1)

Step	List URL/Keyword	Result
System Lists Lookup	http://paypal.com from "importlist"	Category: System List Decision: Denied
Response URL Test		Category: Host is an IP Replace URL: http://192.168.116.151:8080/web...
Filter Bypass List Lookup	http://192.168.116.151:8080	Category: Filter Bypass List, Host is an IP Decision: Allowed

Pass Criteria

Request for http://paypal.com, you **should be** blocked.

Request for http://pinterest.com, you **should not** be blocked.

Notes	You can also view the various lists in the Lists window and see that the URLs have been added.
Result (Pass or Fail)	
Result Comments	

Clients

Clients Identified by Subnet

Purpose

The Netsweeper solution enables clients to be identified using a subnet. This test verifies that a client can be identified by a subnet and receive the expected filtering policy.

Precondition

See: Setting up Filtering Group and Client

A filtered Client workstation must be available for browsing the Internet and the IP address of the filtered workstation should be within a known network subnet.

A second filtered client workstation must be available for browsing the Internet and the IP address of the filtered workstation should be within a second network subnet.

Test Procedure: Clients Identified by Subnet

In the WebAdmin:

1. Go to Policies > Groups and click the **Create** tab.
2. Type **lockdown** for the 'Group Name' and click **Submit**. The 'Group Policy' window displays.
3. Click the **Policies** tab and then the **List** tab.
4. Click the **default** policy.
5. Click the **Categories** tab.
6. Select **Custom** and place a checkmark beside all the top-level Groups to select all the Categories.
7. Click **Submit**.
8. Click the **Group lockdown** breadcrumb and then on the **Clients** tab.
9. Click the **Create** button.
10. In the 'Client Type' section select **Network Subnet**.
11. For 'Client Name' enter **client1**
12. In the 'IP Address or IP Range field type: **192.168.4.0**.

13. In the 'Subnet Mask' field type: **255.255.255.224**

The screenshot shows the 'Modify Client Client1' form. At the top, there are fields for 'Locked' (checkbox), 'Group' (dropdown menu set to 'lockdown'), and 'Expire' (calendar icon). Below this is the 'Client Type' section with three radio buttons: 'Authorized By Client Name', 'Workstation Address', and 'Network Subnet' (which is selected and highlighted in yellow). The 'Client Settings' section contains several text input fields: 'Client Name' (filled with 'Client1'), 'IP Address or IP Range' (filled with '192.168.4.0'), 'Subnet Mask' (filled with '255.255.255.224' and highlighted in yellow), 'Workstation Name' (placeholder 'Workstation Name'), 'First Name' (placeholder 'First Name'), 'Last Name' (placeholder 'Last Name'), 'Email Address' (placeholder 'Email Address'), and 'Comments' (placeholder 'Comments').

14. Click **Submit**.

15. Go to Policies > Groups and click the **List** tab

16. Click the **default** Group.

17. Click the **Clients** tab and then the **Create** button.

18. In the 'Client Type' section select **Network Subnet**.

19. For 'Client Name' enter **client2**.

20. In the 'IP Address' field enter an IP Address range that is within 192.168.4.31-192.168.4.245.

21. Click **Submit**.

22. Go to Policies > Clients to verify the two new Clients and their respective IP Addresses and Subnets.

23. Enter details for a client in the first network subnet.

On the test workstations

1. Using the filtered workstation of an IP that is in the range of the subnet for **client1**, browse to http://www.any_url.com (Where any_url.com represents the HTTP URL

request of your choice). You should be blocked as **client1** that is a member of a group **lockdown**.

2. Using the filtered workstation of an IP that is OUTSIDE of the subnet range of **client1**, browse to <http://www.example.com>. (Where *example.com* in this case represent the HTTP URL which would be usually allowed by the filtering group). Your URL request should **not** be blocked.

Pass Criteria

Using the filtered workstation in the **client1**, browse to http://www.any_url.com/. You should be blocked.

Using the filtered workstation in the **client2**, browse to <http://www.example.com/> (Where *example.com* in this case represents the HTTP URL which would be usually allowed by the filtering group). You should **not** be blocked.

Notes	
Result (Pass or Fail)	
Result Comments	

Accounts Window

SysOp Permissions

Purpose

The Netsweeper solution provides permissions that can be enabled or disabled for each **SysOp** account. This test case will verify a portion of the capabilities provided by the permissions feature in the WebAdmin.

Precondition: SysOp Permissions

In the WebAdmin:

Create testsysop1:

1. Go to Accounts > Accounts.
2. Click the **Create Advanced** tab.
3. Enter the 'Login Name' **testsysop1** and **testorganization** in the 'Organization' field.
4. Enter and confirm a password, **Netsweeper1** and choose **Sysop** as the 'Classification'.
5. Check the box marked Create Account Group Policy.

The screenshot shows the 'Create Advanced' form in the Netsweeper WebAdmin. The form includes fields for Login Name, First Name, Last Name, Email Address, Organization, Description, No Password, Account Password, Verify Password, Classification, Account Templates, Expiry, Web Admin Theme, Create account group policy, Assign to all managed groups, Change password on login, and Enforced Categories. The 'Create account group policy' checkbox is checked. The 'Submit' button is at the bottom right.

6. Click **Submit**. You are returned to the 'Accounts' window.

Assign Permissions:

1. Click the **Edit** link beside 'testsysop1' to open the 'Edit Account' window.

2. Click the **Permissions** tab.
3. Place checkmarks beside the Policy and List Permission Groups shown here.

Accounts / Edit Account **testsysop1**

GENERAL SUSPEND GROUPS **PERMISSIONS** IP RANGES ASSUME IDENTITY

EDIT LIST

DEFAULT ACCESS SELECT ALL DESELECT ALL

☐	Group Interfaces
☐	Group General
☐	Group Advanced
☐	Group Admin
☒	Policy General
☒	Policy Advanced
☐	Client General
☐	Client Advanced
☐	Account General
☐	Account Advanced
☐	Account Admin
☐	Tools
☒	List General
☒	List Admin
☐	Logs General

4. Click **Submit** and confirm the modification by clicking **OK** on the warning window. The 'Account Permissions Updated' message displays.

Create testsysop2:

1. Go to Accounts > Accounts
2. Click the **Create Advanced** tab.
3. Enter the 'Login Name' **testsysop2**.
4. Enter **testorganization** in the 'Organization' field.
5. Enter and confirm a password, **Netsweeper1**.
6. Choose **Sysop** as the 'Classification'.

7. Check the box marked **Create Account Group Policy**.

The screenshot shows the 'Accounts' window with the 'CREATE ADVANCED' tab selected. The form contains the following fields and values:

- Login Name:** testsysop2
- First Name:** First Name
- Last Name:** Last Name
- Email Address:** Email
- Organization:** testorganization
- Description:** Description
- No Password:** ☐
- Account Password:** Password (Strength: Medium)
- Verify Password:** Password
- Classification:** ☒ Sysop, ☐ Admin, ☐ User
- Account Templates:** Select Account Templates
- Expiry:** YYYY-MM-DD HH:MM:SS
- Web Admin Theme:** Global Web Admin Theme
- Create account group policy:** ☒
- Assign to all managed groups:** ☐

8. Click **Submit**. You are returned to the 'Accounts' window.

Modify testsysop2 permissions:

1. Click the **Edit** link beside 'testsysop2' to open the 'Edit Account' window.
2. Click the **Permissions** tab.
3. Enable **Policies** only. Do not check any other permissions.

The screenshot shows the 'Policy General' section with the following permissions:

- ☒ Policies
- ☐ Create Group Policies
- ☐ Rename Policies
- ☐ Clone Policies
- ☐ Modify Policy Category and Protocols Selections
- ☐ Delete Group Policies
- ☐ Reset Policies

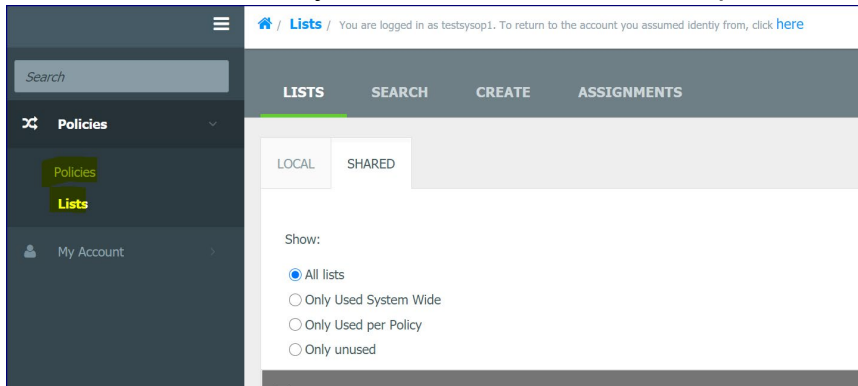
4. Click **Submit** and confirm the modification by clicking **OK** on the warning window. The 'Account Permissions Updated' message displays.

Test Procedure: SysOp Permissions

Log in as testsysop1:

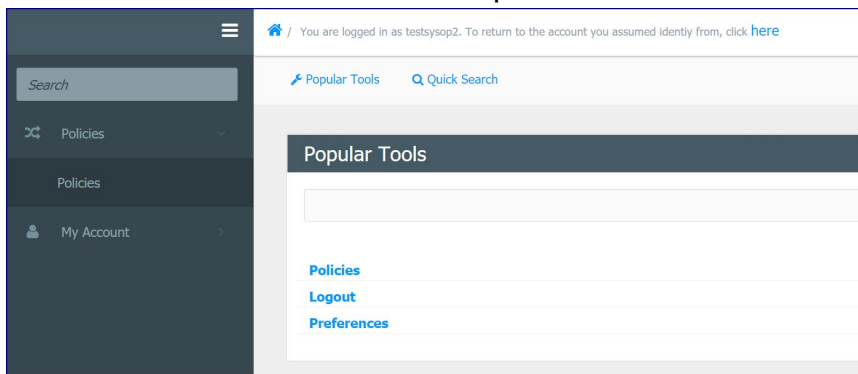
1. Log in as **testsysop1** with password Netsweeper1.
2. Go to Policies > Policies.
3. Click on the **default** Policy.

4. Click the URL / Keyword Local List tab.
5. You can see the **Create Local List** button.
6. In the **Policies** menu you can also see the **Lists** option.



Log in as testsysop2:

1. Log in as **testsysop2** with password Netsweeper1.
2. Go to Policies > Policies.
3. Click on the **default** Policy.
4. Click the URL / Keyword Local List tab.
5. You cannot see the **Create Local List** button.
6. Ensure that '**Lists**' is not a menu option.



Pass Criteria

For the **testsysop1**, the button to create a Local List on a Policy is enabled and the '**Lists**' menu is a menu option under '**Policies**'.

For the **testsysop2**, the button to create a Local List on a Policy is not visible and the '**Lists**' option is not a menu option under '**Policies**'.

Notes

Result (Pass or Fail)	
Result Comments	

Delegated Administration

Purpose

The Netsweeper solution provides functionality that enables the delegation of policy management for specific groups to specific sysop accounts. This test case will verify that sysop roles can be partitioned with control over specific groups of browsing users.

Preconditions

This functionality can be verified out of the box.

Test Procedure: Delegated Administration

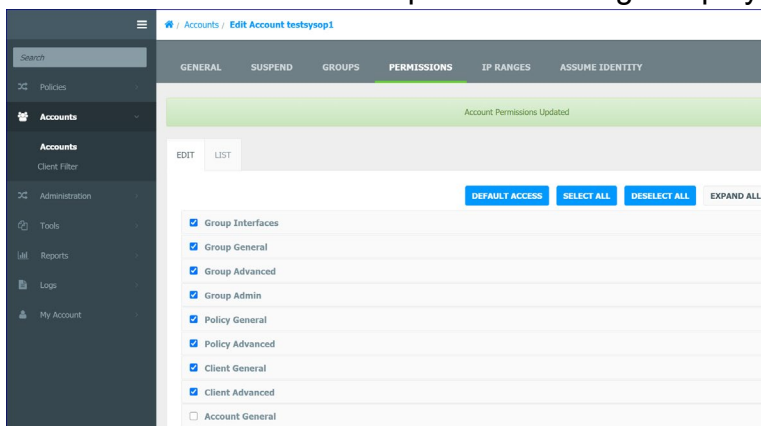
In the WebAdmin:

Create testsysop:

1. Go to Accounts > Accounts and select testsysop1. This is the SysOp we created in the previous procedure.

Modifying testsysop1's Permissions

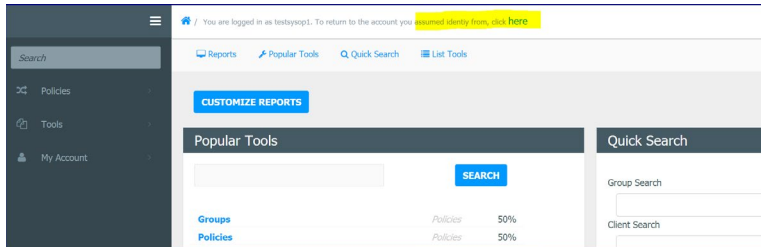
1. Click the **Edit** link beside 'testsysop1' to open the 'Edit Account' window.
2. Click the **Permissions** tab.
3. Choose the **Deselect All** button to deselect the previous permissions we added.
4. Enable: Group, Policy and Client Permissions.
5. Click **Submit** and confirm the modification by clicking **OK** in the warning window. The 'Account Permissions Updated' message displays.



Assume Identity testsysop1

1. Click the **Assume Identity** tab.
2. Go to Policies > Groups and click the **List** tab.
3. Click the **testsysop** group.

4. Click the **Clients** tab and then the **Add New Client** button.
5. Enter **testclient** in the 'Client Name' field.
6. Click **Submit**. The Client is added to the 'Clients' list.
7. Click the link at the top of the window to return from 'Assume Identity'.



Pass Criteria

The **testsysop** account should have a restricted view in the WebAdmin and only buttons related to Group, Policy and Client Management should display.

The Groups and Policies windows should display only **testsysop** group and the Policy(s) for that group.

Notes	
Result (Pass or Fail)	
Result Comments	

Categories

Creating and Using Custom Categories

Purpose

In some circumstances, it may be required to assign a number of specific web sites to a category not existing in standard set of Netsweeper categories (e.g. 'News Sites'). Custom categories function exactly like any other category in that they can be denied or allowed and the Category name appears in Deny Pages, Request Logs, Reports, etc. This test verifies the ability to create and use custom categories.

NOTE: This test has been broken into five procedures.

Precondition

See: Setting up Filtering Group and Client

Only the Category Deny List should be filtered.

Test Procedure 1: Creating a Custom Category

In the WebAdmin:

1. Go to Administration > Categories.
2. Click the **Clone** Action for the 'Published' Revision (marked in green). A new Revision displays below the published revision.
3. Click the **Edit** link for the newly cloned Revision to open the 'Category Editor'.

Revision Name	Category Version	Published	Modified	Action
Current revision	27	yes	2021-03-16 13:04:38	Export/Clone
Netsweeper 6.4.7 Categories	27	no	2020-06-15 21:17:18	Export/Clone/Publish/Edit
Current revision clone 2	27	no	2021-03-16 13:04:38	Export/Clone/Publish/Edit
Netsweeper 6.3.7 Categories	26	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.5 Categories	25	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.3 Categories	24	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.1.6 Categories	23	no	2020-06-15 21:17:16	Export/Clone/Publish/Edit
Netsweeper 6.0.5 Categories	22	no	2018-02-12 16:20:00	Export/Clone/Publish/Edit
Netsweeper 5.3.1 Categories	21	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit
Netsweeper 5.2.3 Categories	20	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit

4. Name the Revision: **TestRevision** and click **Submit**.

The screenshot shows the 'Category Editor' interface. At the top, a green banner indicates 'Successfully updated the category revision.' Below this, the 'Revision Name' field is filled with 'TestRevision' and the 'Category Version' field is filled with '27'. A green 'SUBMIT' button is visible. On the right, a blue 'CREATE' button is present. The left sidebar shows a 'Category Filter' and a list of categories: Countries, Mobile Apps, nMonitor, Protocols, System, Web Apps, and Web Content. The right sidebar shows the 'Edit Group' settings for 'Countries', including 'Enabled' (checked), 'Name' (Countries), 'Parent' (dropdown), and 'Description' (This is the parent category group for Country Categories.). A green 'SUBMIT' button is at the bottom right of the right sidebar.

5. Click the **Create** button.

6. Select 'Category' as the Type .

7. Enter **Deny List** for the 'Name' and assign its 'Parent' as the **Web Content** Category Group.

The screenshot shows the 'Create Group/Category' interface. The 'Type' is set to 'Category'. The 'Name' field is filled with 'Deny List'. The 'Parent' dropdown is set to 'Web Content'. The 'Description' and 'Examples' fields are empty. A green 'SUBMIT' button is at the bottom right. The left sidebar shows the same 'Category Filter' and list of categories as the previous screenshot. The right sidebar shows the 'Edit Group' settings for 'Web Content', including 'Enabled' (checked), 'Name' (Web Content), 'Parent' (dropdown), and 'Description' (This is the parent category group for Web Content Categories.). A green 'SUBMIT' button is at the bottom right of the right sidebar.

8. Click **Submit**. The new Category displays under the 'Web Content' group.

Created the group/category in the category revision successfully

Category Filter

EXPAND ALL

- + Countries
- + Mobile Apps
- + nMonitor
- + Protocols
- + System
- + Web Apps
- Web Content
 - Deny List

Edit Category **ADVANCED**
Enabled ☒
Number 10000
Name Deny List
Parent Web Content x
Description
Examples
SUBMIT

9. Click the breadcrumb to return to the Categories window.

10. Click the **Publish** link beside the TestRevision and click **OK** to confirm the choice.

Categories

REVISIONS TEMPLATES

IMPORT

Revision Name	Category Version	Published	Modified	Action
Current revision	27	yes	2021-03-16 13:04:38	Export/Clone
Netsweeper 6.4.7 Categories	27	no	2020-06-15 21:17:18	Export/Clone/Publish/Edit
TestRevision	27	no	2021-03-16 13:07:51	Export/Clone/Publish/Edit
Netsweeper 6.3.7 Categories	26	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.5 Categories	25	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.3 Categories	24	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.1.6 Categories	23	no	2020-06-15 21:17:16	Export/Clone/Publish/Edit
Netsweeper 6.0.5 Categories	22	no	2018-02-12 16:20:00	Export/Clone/Publish/Edit
Netsweeper 5.3.1 Categories	21	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit
Netsweeper 5.2.3 Categories	20	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit

Showing 1 to 10 of 26 Per page: 10 Previous 1 Next

11. The 'Successfully published groups and categories in the revision' message displays.

Revision Name	Category Version	Published	Modified	Action
Current revision	27	no	2021-03-16 13:04:38	Export/Clone/Publish/Edit
Netsweeper 6.4.7 Categories	27	no	2020-06-15 21:17:18	Export/Clone/Publish/Edit
TestRevision	27	yes	2021-03-16 13:07:51	Export/Clone
Netsweeper 6.3.7 Categories	26	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.5 Categories	25	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.2.3 Categories	24	no	2020-06-15 21:17:17	Export/Clone/Publish/Edit
Netsweeper 6.1.6 Categories	23	no	2020-06-15 21:17:16	Export/Clone/Publish/Edit
Netsweeper 6.0.5 Categories	22	no	2018-02-12 16:20:00	Export/Clone/Publish/Edit
Netsweeper 5.3.1 Categories	21	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit
Netsweeper 5.2.3 Categories	20	no	2016-11-17 11:00:00	Export/Clone/Publish/Edit

Showing 1 to 10 of 26 Per page: 10 Previous 1 Next

Test Procedure 2: Creating and Assigning a Re-Categorization List

1. Go to Policies > Lists and click the **Create** tab.
2. Enter **Recategorizelist** for the 'List Name'.
3. In the 'List Assignments' section select **Categorization List**.
4. In the 'Restrictions' section choose **Categorize**.

List Name: Recategorizelist

Comments:

Merge Entries On Review: ☐

List Assignments: ☒ System Wide List, ☒ Categorization List, ☐ Suggest List, ☐ Filter Bypass List, ☐ Override Categorization List

List Service Enabled: ☒

List Service Interval (seconds): 0

List Service Next Run Time: Next Run Time: Y

Show Metadata Fields: ☐

Restrictions:

Restrict Actions: ☐ Allow, ☐ Deny, ☒ Categorize, ☐ Rewrite URL, ☐ Modify Header, ☐ Proceed to List, ☐ No Action

Restrict Types: ☐ URL, ☐ Scheme, ☐ Path, ☐ Query, ☐ Words and Keywords, ☐ File Extension, ☐ Regular Expression

Restrict Request Parts: ☐ Request URL, ☐ Server IP, ☐ Client IP, ☐ User Agent Header, ☐ Referrer Header, ☐ Policy Event Data, ☐ Module Name, ☐ Search Keywords

Assigned Categories: 1

Permissions:

Buttons: ADD SYNOP, ADD SYNOP DEFAULTS, REMOVE ALL SYNOP PERMISSIONS, CREATE LIST

5. Click the **Create List** button.
6. Return to the 'Lists' window.

Test Procedures 3: Adding New Entries to the List

1. Select the **Recategorizelist** you created above.
2. Click the **New Entry** button.
3. Enter **facebook.com** in the 'New Entry' field.
4. In the 'Categories' section type **Deny List** in the field.
5. The 'Deny List' Category displays in the Categories section.

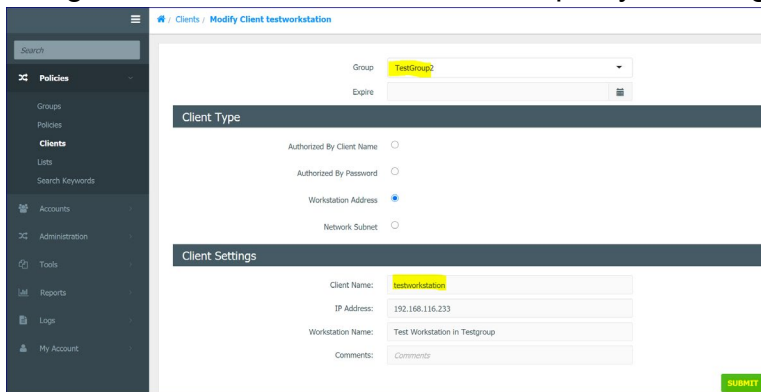
6. Click **Save Entry**. The new entry is added to the list.
7. Repeat the New Entry steps above for **example1.com**, **example2.com** (Where **example1.com** and **example2.com** represents the HTTP URL that was not used in the previous testing).
8. The List Entries Table should look like this.
NOTE. The URLs seen below may differ from the ones that you have used.

ID	Locked	URL/Keyword	Type	Request Part	Action	Last Reviewed	Reviewed By	Date Created	Created By	Comment	Edited At
20		facebook.com	URL	URL	Category			Mar 16, 2021 13:11:31	admin		Mar 16, 2021 13:11:31
21		example1.com	URL	URL	Category			Mar 16, 2021 13:11:53	admin		Mar 16, 2021 13:11:53
22		example2.com	URL	URL	Category			Mar 16, 2021 13:12:02	admin		Mar 16, 2021 13:12:02

Adding Testworkstation to TestGroup2

Earlier we created a Simple Group TestGroup2. We will add the Testworkstation to this Group.

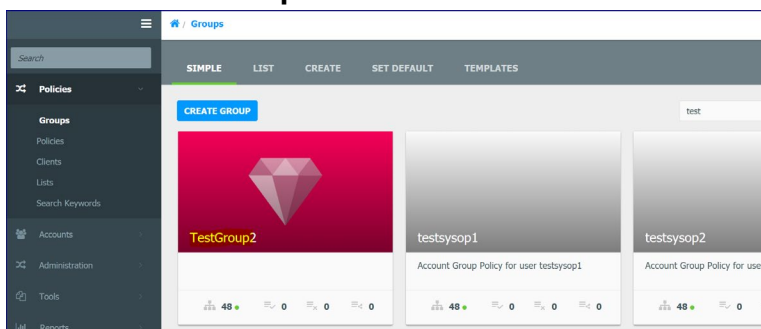
1. Go to Policies > Clients.
2. Click the **testworkstation** to open the modify window.
3. Assign the testworkstation to TestGroup2 by selecting it from the 'Group' dropdown.



4. Click **Submit**.

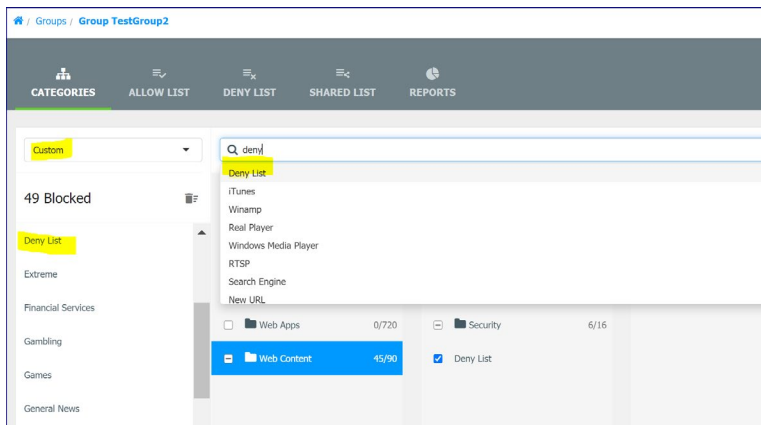
Test Procedures 4: Blocking Sites for the testgroup

1. Go to Policies > Groups and click the **Simple** tab.
2. Click the **TestGroup2** icon.



3. Click the **Categories** tab and select **Custom** from the dropdown list.

4. Type the Custom Categories **Deny List** we created earlier in the 'Quick Add' field and select it.

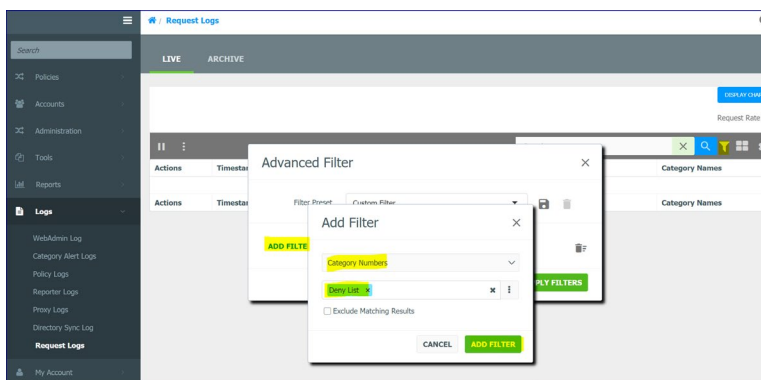


5. The Category **Deny List** is added.
6. Click **Submit**. This will block the 'Deny List' category for this Group.

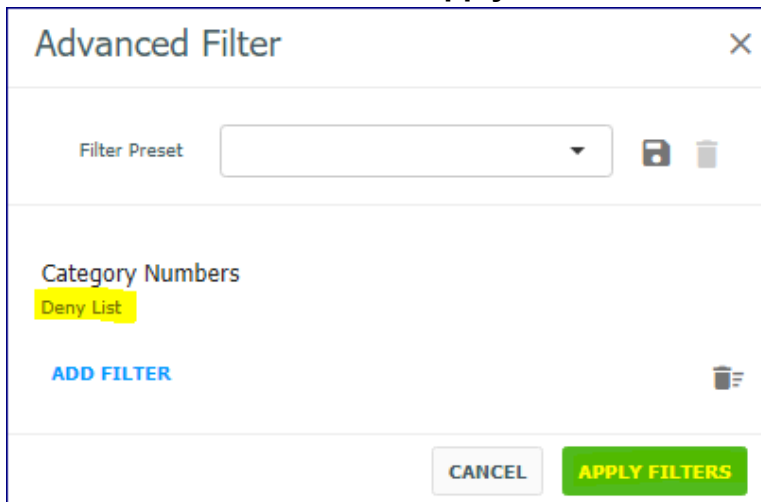
Create a Request Log Filter

We will create a Request Log Filter for the Deny List Custom Category.

1. Go to Logs > Request Logs and click the **Advanced Filter** icon to open the 'Advanced Filter' popup.
2. Click the **Add Filter** link.
3. Select **Category Numbers** from the dropdown and type **Deny List** in the next field.
4. Click the **Add Filter** button.



- The Filter is added. Click the **Apply Filters** button.

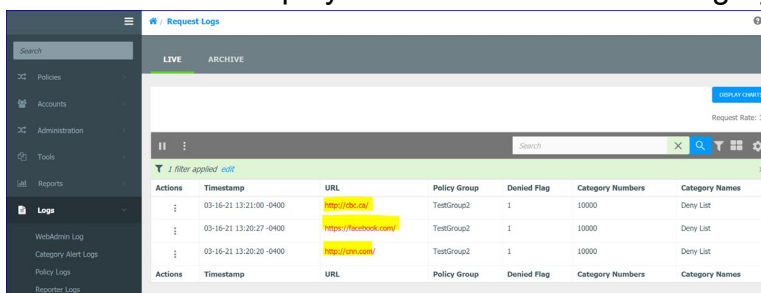


The 'Advanced Filter' dialog box is shown. It has a 'Filter Preset' dropdown menu, a 'Deny List' category selected, and an 'ADD FILTER' button. At the bottom, there are 'CANCEL' and 'APPLY FILTERS' buttons.

Test Procedures 5: Verifying the Custom Categories

On the Test Workstation:

- With the filtered 'Request Logs' window open, browse to three URLs we recategorized in the **recategorizelist** earlier:
- <http://example.com>
<http://example1.com>
<http://example2.com>
- The intended webpages will be unreachable on the testworkstation.
- The three URLs display as 'Denied' with the 'Category Number 'Denied List'.



The 'Request Logs' window shows a table of denied requests. The table has columns: Actions, Timestamp, URL, Policy Group, Denied Flag, Category Numbers, and Category Names. Three rows are visible, all with a 'Denied Flag' of 1 and 'Category Names' of 'Deny List'.

Actions	Timestamp	URL	Policy Group	Denied Flag	Category Numbers	Category Names
⋮	03-16-21 13:21:00 -0400	http://abc.ca/	TestGroup2	1	10000	Deny List
⋮	03-16-21 13:20:27 -0400	https://facebook.com/	TestGroup2	1	10000	Deny List
⋮	03-16-21 13:20:20 -0400	http://test.com/	TestGroup2	1	10000	Deny List

Pass Criteria

Using the filtered workstation in the **testgroup2** group, browsing each URL assigned to the **Deny List** Category **will not** be reachable. In the 'Request Logs' they should appear as denied and categorized as **Deny List**.

Notes

Result (Pass or Fail)	
Result Comments	

Policies and Categories

Allow Selected Categories – Allow Policy

Purpose

When it is simpler to prohibit web access based on a short list of permitted Categories, **Allow List mode** is used. This means that only the selected categories will be allowed, which is the opposite of the standard out of the box 'Deny List' mode. This test verifies that 'Allow List' mode functions as expected.

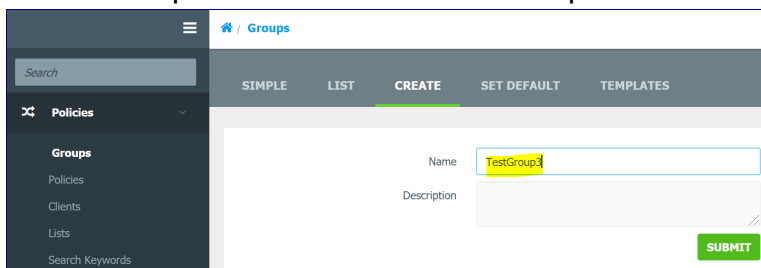
Precondition

See: Setting up Filtering Group and Client

Test Procedure: Allow List Mode

In the WebAdmin:

1. In the 'Groups' window create TestGroup3.



The screenshot shows the 'Groups' window in the WebAdmin interface. The 'CREATE' tab is selected, and the 'Name' field contains 'TestGroup3'. The 'Description' field is empty. A green 'SUBMIT' button is located at the bottom right of the form.

2. In the Tools > Trace Request window ensure select testgroup3 as the 'Group Name' and enter Guinness.com in the URL field.

- Click the **Send Request** button and confirm that Guinness.com is denied under the Category of 'Alcohol'.

Client Name:

Client IP Address: [BROWSE IP](#)

Group Name: TestGroup3 x

Policy Name:

URL: http://guinness.com

Destination IP Address:

User Agent:

Referrer:

Event Type: Check Policy

☐ Show All Steps

[SEND REQUEST](#)

Policy Server: localhost (127.0.0.1)

Step	List URL/Keyword	Result
Protocol CNS List	http://	Category: Hypertext Transfer
Master List Lookup	guinness.com	Category: Alcohol, Hypertext Transfer
Policy Categories Check		Category: Alcohol, Hypertext Transfer Decision: Denied
Response URL Test		Category: Host is an IP Replace URL: http://192.168.116.177:8080/weba...
Filter Bypass List Lookup	http://192.168.116.177:8080	Category: Filter Bypass List, Host is an IP Decision: Allowed

- Return to TestGroup3 and click the **Policies** and **List** tabs.
- Click the **default** policy.

Groups / Group TestGroup3

GENERAL **POLICIES** CLIENTS MANAGERS AUTHENTICATION REDIRECT QUICK REPORTS

CALENDAR CREATE **LIST** EVENTS

Policy Name	Category Count	Default Status
default	48	Deny
Policy Name	Category Count	Default Status

Showing 1 to 1 of 1 Per page: 10 1 2

- In the **General** tab select **Allow** for 'Category Action' and click **Submit**.

Groups / Group TestGroup3 / Policy default in TestGroup3

[CLONE](#) [SURF](#)

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS URL/KEYWORD LOCAL LIST

Name: default

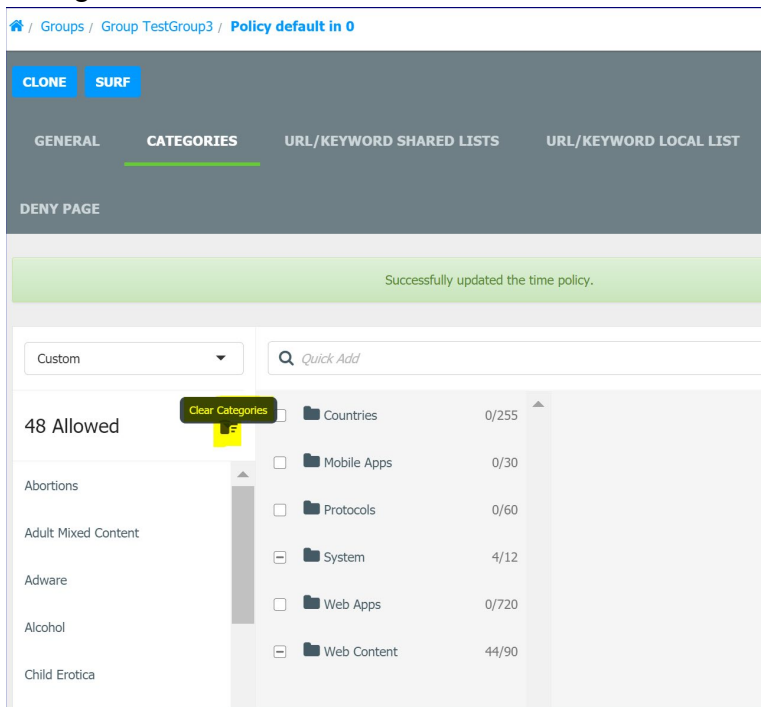
Description:

Policy Template: ☐

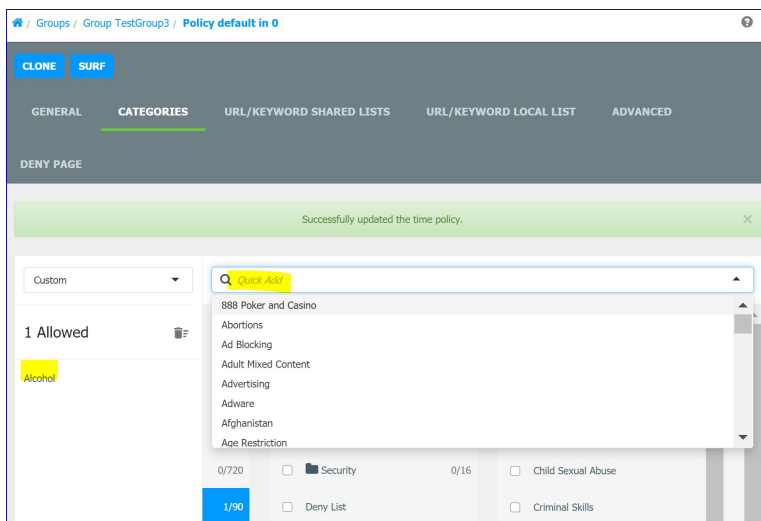
Category Action: ☐ Block ☒ **Allow**

[SUBMIT](#)

7. Click the **Categories** tab, select **Custom** from the dropdown list and delete all the Categories.



8. In the 'Quick Add' field, type **Alcohol** and add it to the left pane.
9. Click **Submit**.



10. Go to 'Trace Request'.
11. Select Testgroup3 from the 'Group Name' dropdown list and enter Guinness.com as the URL.

12. Click the **Send Request** button. You will see that the Category 'Alcohol' is allowed.

The screenshot shows the 'Trace Request' interface. The 'Group Name' is set to 'TestGroup3'. The 'URL' is 'http://guinness.com'. The 'Event Type' is 'Check Policy'. The 'SEND REQUEST' button is highlighted. Below the form, a table shows the results of the policy check.

Step	List URL/Keyword	Result
Protocol CNS List	http://	Category: Hypertext Transfer
Master List Lookup	guinness.com	Category: Alcohol, Hypertext Transfer
Policy Categories Check		Category: Alcohol, Hypertext Transfer Decision: Allowed

13. Enter **google.com** in the URL field and click **Send Request**.

14. You will see that Google is denied under the Category 'Search Engine'.

The screenshot shows the 'Trace Request' interface with the 'URL' set to 'http://google.com'. The 'SEND REQUEST' button is highlighted. Below the form, a table shows the results of the policy check.

Step	List URL/Keyword	Result
Protocol CNS List	http://	Category: Hypertext Transfer
Master List Lookup	google.com	Category: Search Engine, Hypertext Transfer
Policy Categories Check		Category: Search Engine, Hypertext Transfer Decision: Denied
Response URL Test		Category: Host is an IP Replace URL: http://192.168.116.177:8080/web...
Filter Bypass List Lookup	http://192.168.116.177:8080	Category: Filter Bypass List, Host is an IP Decision: Allowed

Pass Criteria

Using the testgroup3 in the **testgroup3** group, browsing the URL <http://guinness.com> will be reachable but google.com will be denied.

Notes

Result (Pass or Fail)	
Result Comments	

Category Lookup

CNS Categorization

Purpose

This test verifies that New URLs (not present in any lists or the cache) are categorized first as **New URL** and then later with a Netsweeper Categorization.

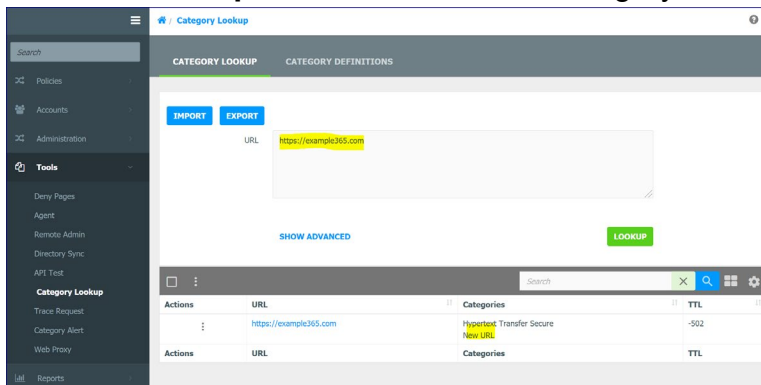
Precondition

CNS connectivity with your Netsweeper Policy Server.

Test Procedure: CNN Categorization

In the WebAdmin:

1. Go to Tools > Category Lookup.
2. Enter a completely random URL (the goal is to find a URL that has never been categorised before. It does not matter if it does not resolve.) In this test we are using example365.com (In your testing you may be using a different URL of your choice). Be sure to add the .com to the end of your URL.
3. Click the **Lookup** button and note the Category returned.



4. Click **Lookup** several more times, approximately once a second, category changes from **New URL** to one of Netsweeper's content categories (i.e. **News**, **General**,

etc...).

The screenshot shows the 'Category Lookup' web application. At the top, there's a navigation bar with 'CATEGORY LOOKUP' and 'CATEGORY DEFINITIONS'. Below this, there are 'IMPORT' and 'EXPORT' buttons. A text input field contains the URL 'https://example365.com'. Below the input field, there are 'SHOW ADVANCED' and 'LOOKUP' buttons. At the bottom, there's a table with columns: Actions, URL, Categories, and TTL. The table contains one row with the URL 'https://example365.com', the category 'General' (highlighted in yellow), and the TTL '2592000'.

Actions	URL	Categories	TTL
	https://example365.com	General	2592000

Pass Criteria

When the **Find** button first clicked the first time, the **Category** will be **New URL**.

(If New URL is not the returned category, you may need to try a different URL).

When you click the **Find** button subsequent times, the category will eventually change to a Netsweeper content category.

Processing time should average about 2-5 seconds.

Notes

We suggest using random URLs, even if they are not real, because this is a quickest way to find a **New URL**.

Categorization times vary slightly depending on the time of day and region.

Result (Pass or Fail)

Result Comments

List Update

Purpose

This test verifies that all lists on all Policy Servers have been updated to the latest list automatically.

Precondition

No preconditions.

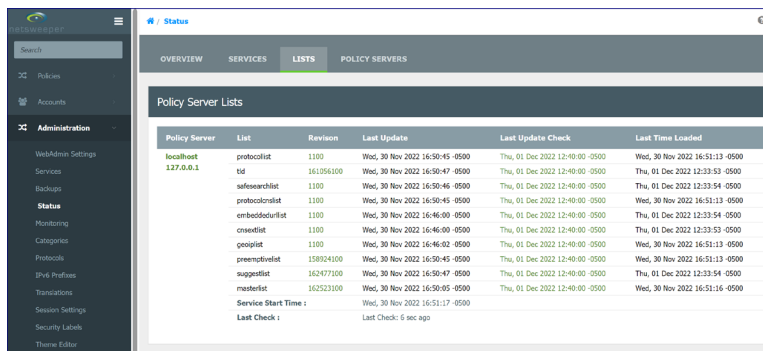
Test Procedure: List Update

In the WebAdmin:

1. Go to Administration > Status.
2. Click on the **Lists** tab.

Pass Criteria

Under the Policy Servers list, you should see the list of the configured Policy Servers, list name, list version and last update date. Please note that depending on your serial versions, a Policy Server's List may be different.



Policy Server	List	Revision	Last Update	Last Update Check	Last Time Loaded
localhost	protocolist	1100	Wed, 30 Nov 2022 16:50:45 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Wed, 30 Nov 2022 16:51:13 -0500
127.0.0.1	tid	161056100	Wed, 30 Nov 2022 16:50:47 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Thu, 01 Dec 2022 12:33:53 -0500
	safesearchlist	1100	Wed, 30 Nov 2022 16:50:46 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Thu, 01 Dec 2022 12:33:54 -0500
	protocolist	1100	Wed, 30 Nov 2022 16:50:45 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Wed, 30 Nov 2022 16:51:13 -0500
	embeddodurlist	1100	Wed, 30 Nov 2022 16:46:00 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Thu, 01 Dec 2022 12:33:54 -0500
	onseetlist	1100	Wed, 30 Nov 2022 16:46:00 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Thu, 01 Dec 2022 12:33:53 -0500
	geoslist	1100	Wed, 30 Nov 2022 16:46:02 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Wed, 30 Nov 2022 16:51:13 -0500
	premsstrelist	158024100	Wed, 30 Nov 2022 16:50:45 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Wed, 30 Nov 2022 16:51:13 -0500
	suggestlist	162477100	Wed, 30 Nov 2022 16:50:47 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Thu, 01 Dec 2022 12:33:54 -0500
	masterlist	162523100	Wed, 30 Nov 2022 16:50:05 -0500	Thu, 01 Dec 2022 12:40:00 -0500	Wed, 30 Nov 2022 16:51:16 -0500
	Service Start Time :		Wed, 30 Nov 2022 16:51:17 -0500		
	Last Check :		Last Check: 6 sec ago		

Notes

Result (Pass or Fail)

Result Comments

Centralized Management

Purpose

This test verifies that any policy modification done on the management server is replicated on all policy servers.

Precondition

Out-of-the-box functionality with filtering enabled.

Test Procedure

In the WebAdmin:

1. Go to Policies > Lists.
2. In the Lists tab, click the **System Deny List**.
3. Click the **New Entry** button.
4. Add **test-globaldeny.com** to the System Deny List.
5. Ensure **Request URL** is selected from the 'Request Part' section.
6. Click **Save Entry**.
7. Go to Tools > Trace Request
8. In URL field enter **http://test-globaldeny.com** and click **Send Request**.

Step	List URL/Keyword	Result
System Lists Lookup	test-globaldeny.com from "System Deny List"	Category: System List Decision: Denied
Response URL Test		Category: Host is an IP Replace URL: http://192.168.116.177:8080/webse...
Filter Bypass List Lookup	http://192.168.116.177:8080	Category: Filter Bypass List, Host is an IP Decision: Allowed

Pass Criteria

In the output, you will find that all Policy Server's Category decisions are that it is System List Denied.

Using the WebAdmin to run a Trace Request, test a URL assigned to the System Deny List and it will be **Denied** at the *System Lists Lookup* Step.

Notes

Result (Pass or Fail)	
Result Comments	

Testing Connections and Access

Verify SSH Login

Purpose

This test verifies ability to login using SSH to Netsweeper servers.

Precondition

Network connectivity and no firewall blocking port 60104.

Test Procedure

Use any SSH client and try to login to any Netsweeper server, use port 60104. Default username is **admin** and password is **netsweeper**.

Pass Criteria

SSH Client will be able to login to the Netsweeper system.

Notes	
Result (Pass or Fail)	
Result Comments	

Boundary Tests

URL List Import Limit

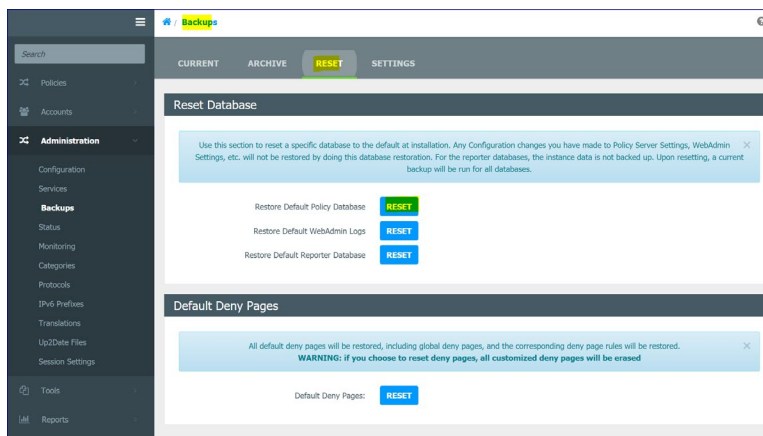
Purpose

The Netsweeper solution provides functionality for importing long System Lists (allow and deny.) Typically, these lists come from an external list (CSV file, spread sheet, etc.). This test case verifies the system list import feature can handle up to 600,000 entries.

Test Configuration

The Netsweeper solution must be deployed so that it can route RST packets to both the filtered workstation and the web server.

A filtered client workstation must be available for browsing the internet.



Re-create your testgroup and testworkstation.

See: Creating a Group 'testgroup' and Test Workstation Client

You will require the **Netsweeper 600000 URL Import.csv** file. The zip file can be downloaded from here:

https://helpdesk.netsweeper.com/docs/UAT/8_1_Resources/User_Acceptance_Resource_8_1_Page.html

Modifying WebAdmin Settings

1. Go to Administration > **WebAdmin Settings** button.
2. Scroll down to 'URL/Keyword Lists Settings'.

3. Change the 'Maximum URL Entries per List' number to 600001.

URL/Keyword Lists Settings

Enabled List Entry Types: URL, Scheme, Path, Query, Keyword

Maximum URL Entries per List: 600001

Maximum Scheme Entries per List: 1000

4. Click the **Submit** button.

De-select all Categories for the Testgroup3

1. Go to Policies > Groups and in the List tab select **testgroup3**.
2. Click the **Policies** tab and then the **Policy List** tab.
3. Click the **default** Policy.
4. In the **Categories** tab, Select **None** under Categories Selection.
5. Click **Submit**.

Groups / Group TestGroup3 / Policy default in TestGroup3

CLONE SURF

GENERAL CATEGORIES URL/KEYWORD SHARED LISTS URL/KEYWORD LOCAL LIST ADVANCED

DENY PAGE

Successfully saved new category selection for policy default in group TestGroup3.

None

0 Allowed

To filter categories select a category template from the dropdown.

Test Procedure: URL List Import Limit

In the WebAdmin:

1. Go to Policies > Lists.
2. Click the **Create** button.
3. Enter **Deny List** in the 'List Name' field.

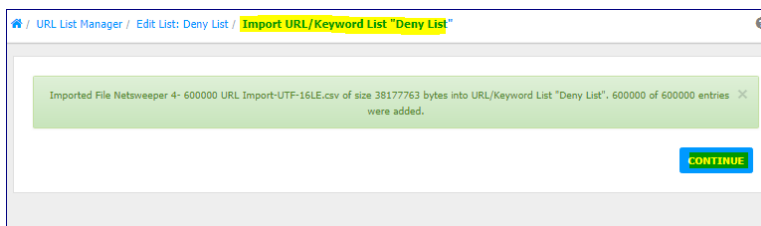
- Choose System Wide List from List Assignments and select the **Deny** checkbox in 'Restrictions'.

The screenshot shows the 'CREATE' form for a new list. The 'List Name' field is filled with 'Deny List'. The 'List Assignments' section has 'System Wide List' selected. In the 'Restrictions' section, the 'Deny' checkbox is checked. The 'CREATE LIST' button at the bottom right is highlighted in green.

- Click the **Create List** button.
- Return to the 'Lists' window.

Importing a List:

- Click the **Deny List** link and click the **Import** button.
- Choose the **Netsweeper 4- 600000 URL Import-UTF-16LE.csv** and click the **Import** button. The 'Import URL / Keyword List' window displays.
- Leave the defaults as is and click **Import**. The import may take a while.
- Once the import is complete message 'Imported File Netsweeper4- 600000 URL Import.csv of size 38177763 bytes into URL/Keyword List "Deny List". 600000 of 600000 entries were added.'
- Go to Policies > Lists.
- Ensure that the Entries field shows 600000 for the 'Deny List'.



- Open the 'Deny List' to confirm that the items have been added.

In WebAdmin:

1. Go to Tools > Trace Request
2. For Group Name select the **testgroup3** and in the URL field, enter:
http://facebook.com
3. Click **Send Request**.
4. Policy Server results should state that request was '**Allowed**' since URL entry was **not** on the list that we just imported.
5. Leave Group Name untouched, Clear the URL field and enter:
http://sex.com
6. Click **Send Request**.
7. Policy Server results should state that request was '**Denied**' since URL entry was on the list that we have imported and associated with the System Deny List.

Pass Criteria

You should be denied and allowed as expected.

You can also view the various lists in the **Lists** window and see that the URLs have been added.

Notes	
Result (Pass or Fail)	
Result Comments	

Request Logging and Reporting

Creating a Detailed Demand Report

Purpose

The Netsweeper solution can log every URL requested, along with some subscriber and category information, if configured to do so. Every URL requested by a filtered workstation will be logged. This test verifies that the Netsweeper filtering platform logs all subscribers' browsing activity.

Precondition

See 'Preconditions - Setup Filtering, Groups and Clients'

Test Procedure

On the Test Workstation:

Generate some HTTP traffic to be logged by your policy server. This can be achieved by surfing any webpage online.

In the WebAdmin:

1. Go to Reports > Custom Report.
2. Enter **TestDemandReport** as the 'Report Name'.
3. Confirm **Demand Report** is selected and choose tomorrow's date in the 'to' date.

The screenshot shows the 'Custom Report' configuration interface in the Netsweeper WebAdmin. The 'Report Name' field is set to 'TestDemandReport'. The 'Description' field has a placeholder text 'Enter in the description of the report'. The 'Owner' is set to 'admin'. The 'Report Type' is set to 'Demand'. The 'Date Range' is set from '2020-07-06 00:00:00' to '2020-07-08 00:00:00'. There are buttons for 'MODIFY DEFINITION' and a gear icon. At the bottom, there is a 'Filters' section with 'ADD FILTER' and 'LOAD FILTERS' links.

4. Click the **Add Filter** link.

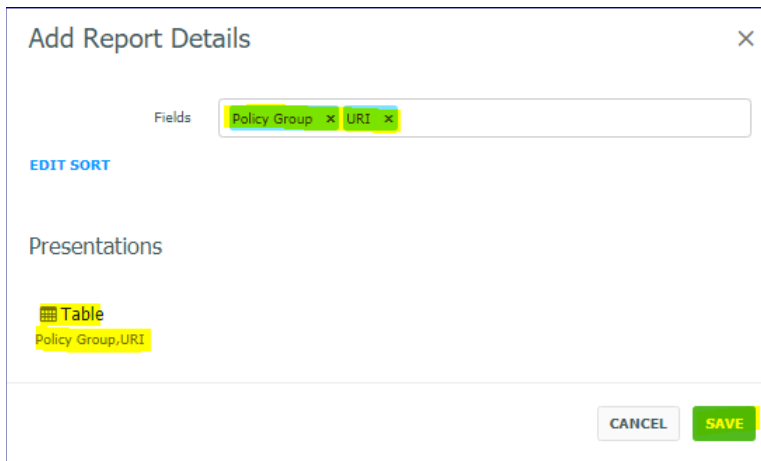
5. Select **Client Name** with a Value of **testworkstation**. Click **Save**.

The screenshot shows the 'Custom Report' configuration interface. The 'Report Name' is 'TestDemandReport', 'Description' is 'Enter in the description of the report', and 'Owner' is 'admin'. An 'Add Filter' dialog box is open, showing 'Field' as 'Client Name', 'Condition' as 'Equal To', and 'Value' as 'testworkstation'. The dialog has 'CANCEL' and 'SAVE' buttons. In the background, the 'Filters' section has an 'ADD FILTER' button highlighted in yellow.

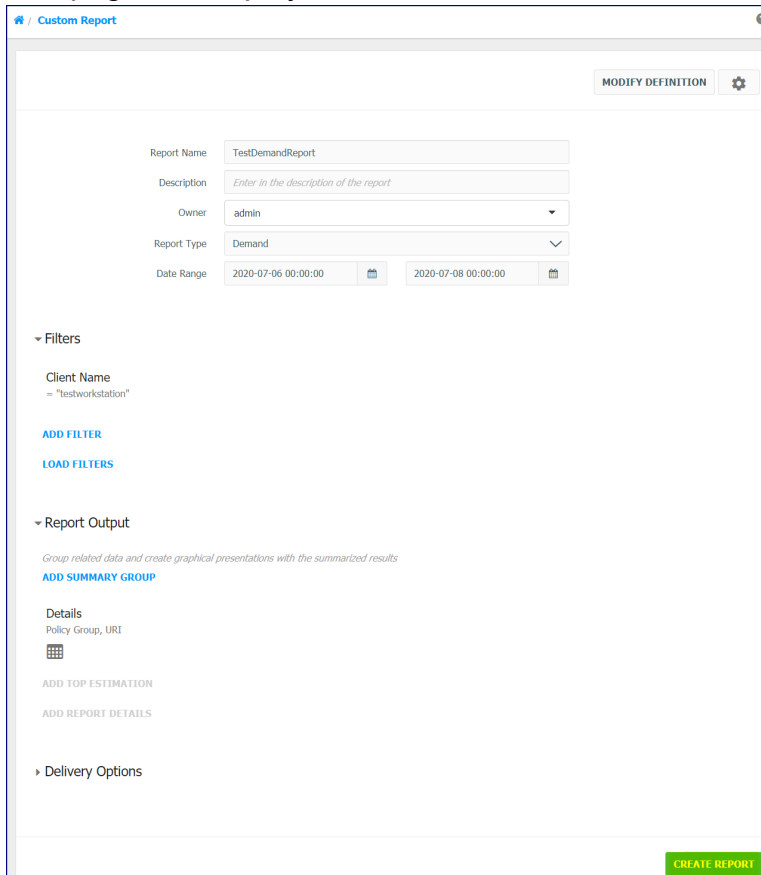
6. Confirm the new filter is added and then click the **Add Report Details** link.

The screenshot shows the 'Custom Report' configuration interface after the filter has been added. The 'Filters' section now displays 'Client Name = testworkstation'. Below this, the 'Report Output' section has an 'ADD REPORT DETAILS' link highlighted in yellow. Other options like 'ADD FILTER', 'LOAD FILTERS', 'ADD SUMMARY GROUP', and 'ADD TOP ESTIMATION' are also visible.

7. Select Policy Group and URI and accept **Table** as the Presentation type.

8. Click **Save**.

The 'Add Report Details' dialog box is shown. It has a title bar with a close button (X). Below the title bar, there is a 'Fields' section with a text input field containing 'Policy Group' and 'URI', each with a small 'X' button to its right. Below the 'Fields' section, there is a blue link labeled 'EDIT SORT'. Below that, there is a 'Presentations' section with a table icon and the text 'Table' and 'Policy Group,URI'. At the bottom right, there are two buttons: 'CANCEL' and 'SAVE'.

9. The page will display the Details chosen. Click the **Create Report** button. .

The 'Custom Report' configuration page is shown. It has a header bar with a blue icon and the text 'Custom Report'. Below the header bar, there is a 'MODIFY DEFINITION' button and a settings icon. The main content area is divided into several sections: 'Report Name' (TestDemandReport), 'Description' (Enter in the description of the report), 'Owner' (admin), 'Report Type' (Demand), and 'Date Range' (2020-07-06 00:00:00 to 2020-07-08 00:00:00). Below these sections, there is a 'Filters' section with a 'Client Name' filter set to 'testworkstation'. Below the 'Filters' section, there is a 'Report Output' section with a 'Details' filter set to 'Policy Group, URI'. At the bottom right, there is a green button labeled 'CREATE REPORT'.

10. The new Report displays. Click the **View** link to display the report.

Home / Custom Report / Report **TestDemandReport**

Report Status Processed Ok [2020-07-07 13:37:09]

Next Run Time 0000-00-00 00:00:00

Run Interval 0

Last Time Edited 2020-07-07 13:37

Total Size 47.4 kB

View Count 0

Report Actions [Refresh](#) / [Edit](#) / [Clone](#) / [Delete](#) / [Create Template](#) / [Show Definition](#) / [Rerun](#)

Policy Group	URI
testgroup	http://ipv6.msftncsi.com/ncsi.txt
testgroup	http://www.msftncsi.com/ncsi.txt
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://accounts.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://clientservices.googleapis.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443
testgroup	decrypt://www.google.com:443

Actions	Export Data As	Report Date	Process Start Date	Process Time	Size	View Count	Last Viewed
View / Email / View PDF	HTML / CSV / Text / XLS / Gzipped CSV	2020 Tue, Jul 07 13:37	2020-07-07 13:37:09	00:00:00	47.4 kB	0	

Showing 1 to 1 of 1

Per page: 20 [Previous](#) 1 [Next](#)

Pass Criteria

The report will show all the URL entries that have been requested by a **testworkstation** client.

Notes

Result (Pass or Fail)

Result Comments

Creating a Summary Demand Report

Purpose

Create custom Demand Reports that shows all allowed or denied requests for a specific time / from specific IPs / for only specific category / specific URI, etc.

Precondition

See: Setting up Filtering Group and Client

Test Procedure on the Test Workstation:

Browse to both denied and allowed sites.

In the WebAdmin:

1. Go to Reports > Custom Report.
2. Enter **TestDemandReport** as the 'Report Name'.
3. Confirm **Demand Report** is selected and choose tomorrow's date in the 'to' date.

The screenshot shows the 'Custom Report' configuration page. At the top right, there is a 'MODIFY DEFINITION' button and a settings icon. The form contains the following fields:

- Report Name:** TestDemandSummaryReport
- Description:** Enter in the description of the report
- Owner:** admin
- Report Type:** Demand
- Date Range:** 2020-07-06 00:00:00 to 2020-07-08 00:00:00

Below the form, there are two sections:

- Filters:** Includes an 'ADD FILTER' button and a 'LOAD FILTERS' link.
- Report Output:** Includes a description 'Group related data and create graphical presentations with the summarized results' and an 'ADD SUMMARY GROUP' link.

4. Click the **Add Filter** link.

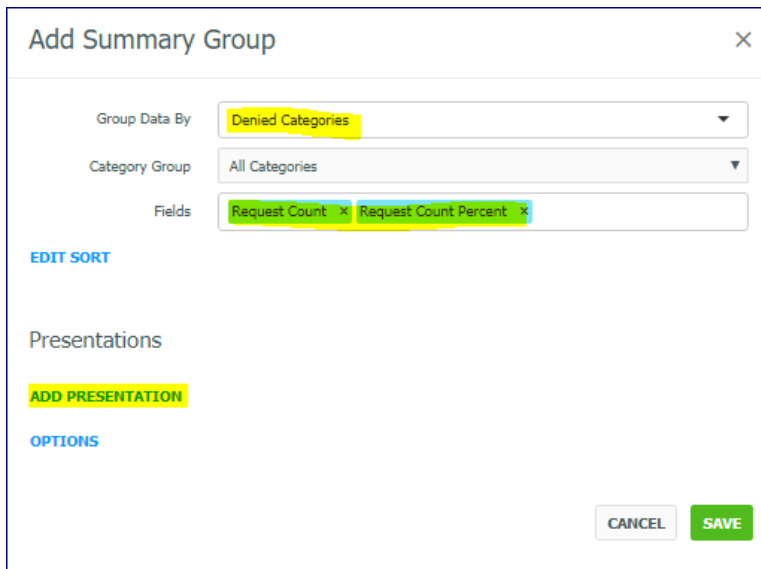
5. Select **Client Name** with a Value of **testworkstation**. Click **Save**.

The screenshot shows the 'Add Filter' dialog box. The 'Field' dropdown is set to 'Client Name'. The 'Condition' dropdown is set to 'Equal To'. The 'Value' input field contains 'testworkstation'. Below the input field, a list of values is displayed: 'netsweeper1', 'netsweeper2', 'netsweeper3', and 'testworkstation'. The 'testworkstation' value is highlighted. The 'SAVE' button is green and highlighted.

6. The new filter displays.
7. Click the **Add Summary Group** link.

The screenshot shows the 'Custom Report' interface. The 'Filters' section is expanded, showing the filter 'Client Name = "testworkstation"'. Below the filter, the 'ADD FILTER' and 'LOAD FILTERS' links are visible. The 'Report Output' section is also expanded, showing the 'ADD SUMMARY GROUP' link highlighted in green. The 'ADD TOP ESTIMATION' link is also visible.

8. Select **Denied Categories** and then add **Request Count** and **Request Count Percent** to the 'Fields' List.



Add Summary Group [X]

Group Data By: **Denied Categories**

Category Group: All Categories

Fields: Request Count, Request Count Percent

[EDIT SORT](#)

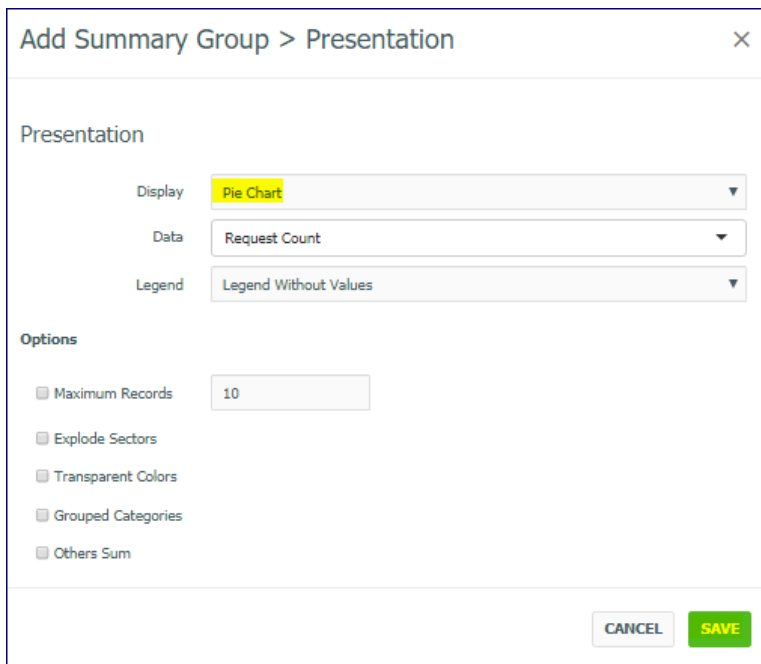
Presentations

[ADD PRESENTATION](#)

[OPTIONS](#)

[CANCEL](#) [SAVE](#)

9. Click the **Add Presentation** link.
10. Select **Pie Chart** and choose **Save**.



Add Summary Group > Presentation [X]

Presentation

Display: **Pie Chart**

Data: Request Count

Legend: Legend Without Values

Options

☐ Maximum Records: 10

☐ Explode Sectors

☐ Transparent Colors

☐ Grouped Categories

☐ Others Sum

[CANCEL](#) [SAVE](#)

Add Summary Group

Group Data By

Denied Categories

Category Group

All Categories

Fields

Request Count × Request Count Percent ×

EDIT SORT

Presentations

Pie Chart

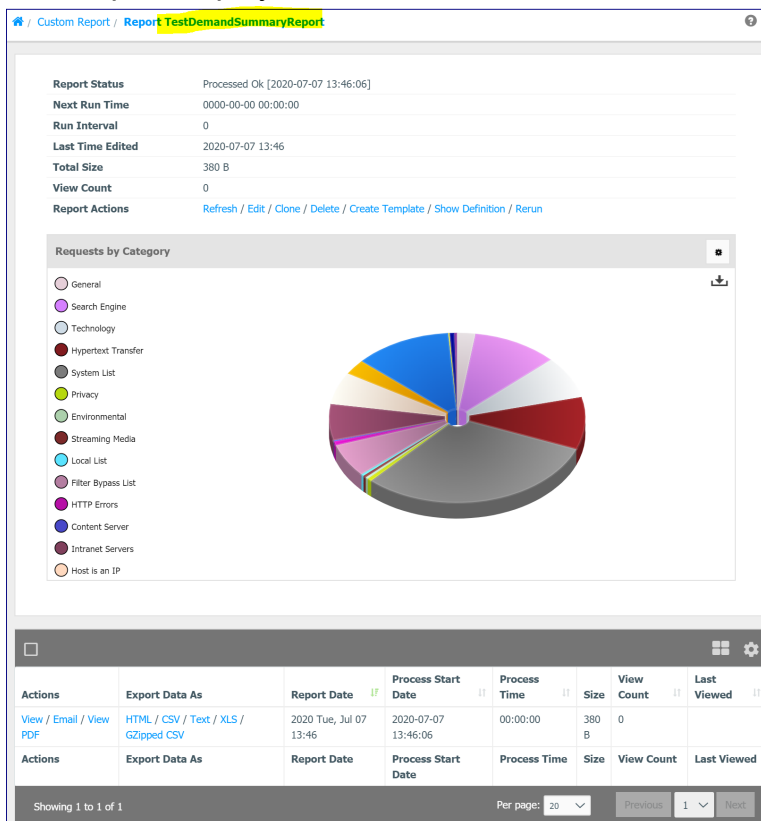
Request Count

ADD PRESENTATION

OPTIONS

CANCEL

SAVE



The Report displays showing denied sites that have been visited. It displays the Category, Total Requests and Request Percent columns.

Notes	
Result (Pass or Fail)	
Result Comments	

HTTPS Filtering Tests

HTTPS Filtering at Domain Level

Purpose

The Netsweeper solution can block specific HTTPS URL but only up to TLD Top Level Domain. This test case verifies that HTTPS URL filtering behaves as expected.

Precondition

See: Setting up Filtering Group and Client

Test Procedure: Filtering at the Domain Level

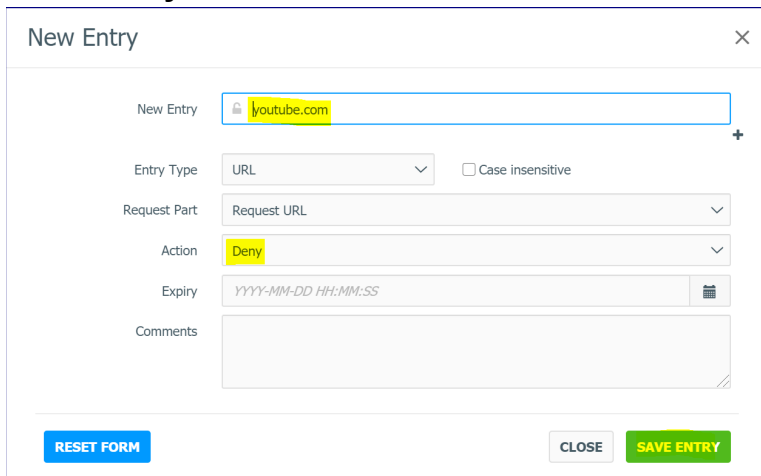
This Procedure will add `https://example.com` to the local deny list group policy for the filtering.

Use the filtered workstation to visit `https://example.com`

In the WebAdmin:

1. Go to Policies > Groups and in the **Lists** tab click on **testgroup**.
2. Click the **Policies** tab and then on the **List** tab.
3. Click the **default** link for the Policy.
4. Click the **URL/Keyword Local List** tab and then on the **Create Local List** button.
5. Click the **New Entry** button.
6. Add **`https://youtube.com`** in the 'New Entry' field (Where *example.com* in this case represents the popular search engine of your choice).
7. Ensure that **URL** is selected from the dropdown.
8. Ensure **Request URL** is selected from the 'Request Part' section.

9. Select **Deny** in the 'Action' section.



The screenshot shows a 'New Entry' dialog box. The 'New Entry' field contains 'youtube.com'. The 'Entry Type' is set to 'URL'. There is an unchecked checkbox for 'Case insensitive'. The 'Request Part' is set to 'Request URL'. The 'Action' is set to 'Deny'. The 'Expiry' field has a date/time picker showing 'YYYY-MM-DD HH:MM:SS'. The 'Comments' field is empty. At the bottom, there are three buttons: 'RESET FORM' (blue), 'CLOSE' (grey), and 'SAVE ENTRY' (green).

10. Click the **Save Entry** button.

On your Test Workstation:

1. Clear the cache in your browser.
2. Browse to:
<https://youtube.com>
3. A 'Connection is Untrusted' page displays.

If the Capture Module is used then Netsweeper will just break the https connection. A browser would then state that connection was reset.

Pass Criteria

You will not be able to visit the <https://example.com> (Where example.com represents the HTTPS webpage of your choice).

Using the filtered workstation in the **testgroup** group, browsing to a URL that belongs to the Local List as a 'Deny' URL **will not** be reachable.

Notes	In HTTPS, No Deny page will be served, connection reset page will be displayed instead. When same domain is accessed via HTTP, then content will be available. In addition, you may have to specify the www or m (mobile) before the domain name in order for URL to be detected e.g. https://m.example.com , https://www.example.com
Result (Pass or Fail)	
Result Comments	

Document Sign-off

Acceptance Test Approval

The **client** for this project agrees that the acceptance tests contained within this document are suitable for verifying that the solution delivered by Netsweeper meet the requirements of this project.

Client Name	
Authorized Party Signature	
Authorized Party Name	
Date	

Acceptance Tests Passed

The **client** for this project agrees that the acceptance tests contained within this document have been executed completely, and to the satisfaction of the requirements of this project.

Client Name	
Authorized Party Signature	
Authorized Party Name	
Date	