

Chapter Twelve (i): Testing URL-Filtering for Guardian

Summary of Chapter:

- Overview of Guardian.
- How to read the information given whilst using the Test URL-filtering on the Pilot.

What you need:

- Knowledge of Admin user account and valid password for your CachePilot.
- A UTM PoP code. CachePilot users please contact Equinet for a quote.

Software Revision Required:

- Applicable to software revision 5.2.0 > CachePilots

Guardian:

Guardian differs from Smartfilter and Netsweeper in that it uses a number of filtering techniques that are all resident on the CachePilot. Therefore no additional servers are required locally or remotely to hold lists or undertake checks. The administrator of the local CachePilot defines which users may view which categories - so local flexible controls are available – which is often a key requirement. The technology uses a combination of URL list checking – against a somewhat smaller list than Smartfilter or Netsweeper – but, significantly, also employs additional real-time content checking, which Smartfilter or Netsweeper do not currently provide.



Tip!

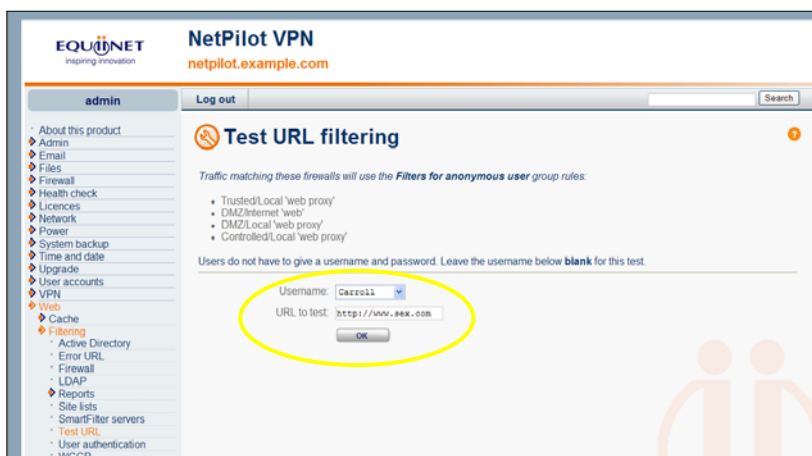
For further information on Guardian please see Chapter 13.



Tip!

Test URL-Filtering:

- Log on to the CachePilot as shown in Chapter One (b).
- From the left-hand side of the screen, select ‘Web’, then ‘Filtering’ and then ‘Test URL’. (All links are highlighted below).



- In the drop down list select a User you wish to test.


- In the text box enter a URL you wish to test. You must manually enter the syntax ‘http://’ or ‘https://’ or ‘ftp://’ etc before the ‘www.sitename.com’.

- Select ‘OK’.

🛡️ The CachePilot will then display the filter results after going through a process of checking the following:

- 🛡️ Timeband controls
- 🛡️ Global filtering controls
- 🛡️ Blacklist/Whitelist controls depending on the User Group.

🛡️ In the below example, the user is ‘bob’ who is in the User Group ‘bobs_group’ which contains the Site List ‘Block One’.

 **Test URL filtering**

*Traffic matching these firewalls will use the **Filters for anonymous user group rules:***

- Trusted/Local 'web proxy'
- DMZ/Internet 'web'
- DMZ/Local 'web proxy'
- Controlled/Local 'web proxy'

Users do not have to give a username and password. Leave the username below **blank** for this test.

Username:

URL to test:

Filter results

Browser gave us user: bob
Local user found.
Using NetPilot VPN group: bob's group
This user lookup cached: Nov 13 16:58:30

Guardian blocked the request;
Reason: Banned Regular Expression URL found.
Block One

🛡️ All Global and individual Whitelists are applied first.


🛡️ Then all Global and individual Blacklist are applied.

🛡️ In the User Group ‘bob’s group’ the URL was matched in a Blacklist (block_one).

🛡️ Final decision was to block the request.

🛡️ The test results will show the Site List matched.

🛡️ In the below example, the user is anonymous and the URL has not been blocked in the Global Rules or the ‘Filters for anonymous user’ Group, therefore, it has been allowed.

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- Controlled/Local 'web proxy'

Users do not have to give a username and password. Leave the username below **blank** for this test.

Username:

URL to test:

Filter results

Browser gave us user: -
Local group found.
Using NetPilot VPN group: anonymous
This user lookup cached: Nov 13 16:19:13

Guardian allowed the request.

🛡️ No individual User Groups are applied as the user is anonymous and the CachePilot does not know which User Group the anonymous user belongs to. Therefore, it applies the User Group ‘Filters for anonymous users’.



Tip! When URL filtering is applied to Users’ browsing, ‘Whitelists’ are always implemented first, then ‘Blacklists. If users are accessing the Internet anonymously, without having to authenticate with the unit, ‘Filters for anonymous user’ will be applied with the Global Groups.



Tip! For more information on Sites Lists please see the other sections of Chapter 12.