

## Chapter Twelve (i): Testing URL-Filtering for Smartfilter

### Summary of Chapter:

- 📖 Overview of Smartfilter.
- 📖 How to read the information given when using the Test URL-filtering feature on the Pilot.

### What you need:

- 📖 Knowledge of Admin user account and valid password for your Pilot.
- 📖 A UTM PoP code. NetPilot users can purchase this from the following address: <http://www.equinet.com/ordering/default.asp>, CachePilot users please contact Equinet for a quote.

### Software Revision Required:

- 📖 Applicable to software revision 5.2.0 > Net/CachePilots

(Net/CachePilot will be referred to as 'Pilot'. All image examples are of a NetPilot.)

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### Smartfilter:



Alongside our simple text / URL Site Lists you can use Smartfilter. When a URL is checked it will go to an external server is contacted to find out which category the requested URL is classified in. Equinet customers can run their own servers offering the URL category checking service or check against hosted servers e.g. Brightfilter service. Smartfilter's database has over 15 million URLs, which are divided into over ninety categories and growing. The administrator of the local Equinet unit defines which users may view which categories. Therefore local flexible controls are available, which is often a key requirement. This technology is Becta approved for education users.

- 📖 To see the latest definition of Smartfilter's categories, please see: <http://www.securecomputing.com/index.cfm?skey=86>

- 📖 To check whether a particular site is categorised by Smartfilter and to which category it falls into. Please see: <http://www.trustedsource.org/en/feedback/url> select 'Smartfilter XL'

- 📖 If you find a URL that is not categorised by Smartfilter and feel it should be, please see check it on the above URL first. Once you've done this you will have the option to choose which categories it should appear in.

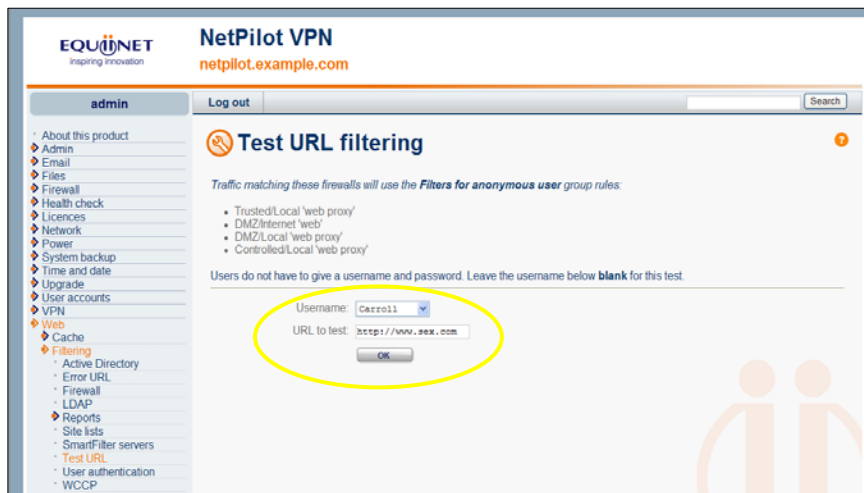


For further information on Smartfilter please see Chapter 13.



## Test URL-Filtering:

🔑 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'.

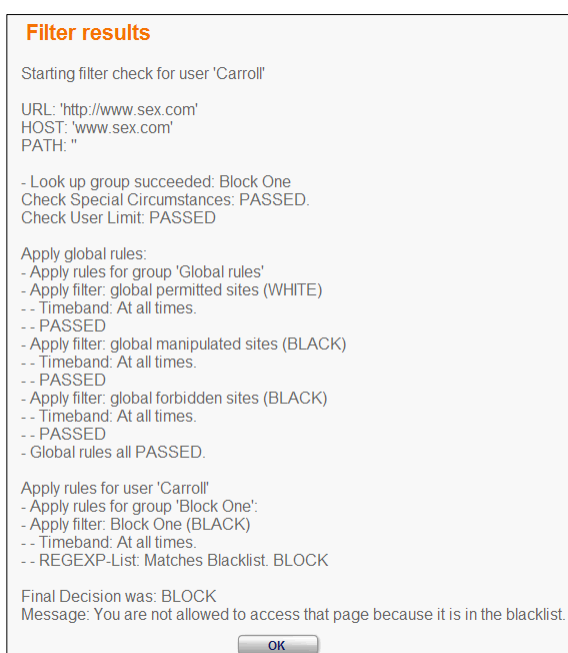
🔑 The Pilot will then display the filter results after going through a process of checking the following:

🔑 Timeband controls

🔑 Global filtering controls

🔑 Blacklist/Whitelist controls depending on the User Group (which contains the filtering controls) that is assigned to the User.

🔑 In the below example, the user is 'Carroll' who is in the 'block\_one' group.



🔑 The Pilot will check 'Special Circumstances' this is to constantly allow Admin to Bypass Site Lists and always allow Equinet's websites.

🔑 The Global Rules are applied first.

🔑 In this default User Groups Whitelists are applied first before Blacklists.

🔑 In the Global Site Lists there is no match to the URL entered.

🔑 The filter will continue on to the Users' 'User Group' which contains more Site Lists.

🔑 In the User Group 'block\_one' the URL was matched.

🔑 The final decision is 'BLOCK'.

In this example,

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Filter results


Starting filter check for user 'Carroll'


URL: 'http://www.sex.com'
HOST: 'www.sex.com'
PATH: ''


- Look up group succeeded: Block One
Check Special Circumstances: PASSED.
Check User Limit: PASSED


Apply global rules:
- Apply rules for group 'Global rules'
- Apply filter: global permitted sites (WHITE)
-- Timeband: At all times.
-- PASSED
- Apply filter: global manipulated sites (BLACK)
-- Timeband: At all times.
-- PASSED
- Apply filter: global forbidden sites (BLACK)
-- Timeband: At all times.
-- REGEXP-List: Matches Blacklist. BLOCK

Final Decision was: BLOCK
Message: You are not allowed to access that page because it is in the blacklist.
  
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 The Pilot will check 'Special Circumstances' this is to constantly allow Admin to Bypass Site Lists and always allow Equinet websites.

 Then the Global Forbidden Site List matches the URL.

 As soon as there is a 'BLOCK' match in the Global rules, the URL is blocked.

 The Filter results will not continue to look into the Users individual Site Lists, as shown in the example above.



When URL filtering is applied to Users' browsing, 'Global rules' are always implemented first. If users are accessing the Internet anonymously, without having to authenticate with the unit, 'Filters for anonymous user' will be applied after the Global Groups.



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