



Webfilter Configuration

Guide

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Table of Contents

Chapter 1	What DNS can you use?	1
Chapter 2	Generic configuration.	2
Chapter 3	Banning other DNS servers	3
Chapter 4	Dynamic IP	4
Chapter 5	Multiprofile configuration	5
Chapter 6	Example: Webfilter with multiprofile, Dynamic IP and no other DNS servers . .	7

Chapter 1 What DNS can you use?

When on <http://webfilter.teldat.com>, the IP address that belongs to the DNS server you may use appears at the bottom of the website.



DNS Configuration: 185.236.104.104 185.236.105.105

Chapter 2 Generic configuration

Configuring the WebFilter feature on a Teldat router is as easy as configuring the DNS server. Just enter the following commands:

```
feature dns
; -- DNS resolver user configuration --
    server 185.236.104.104
    server 185.236.105.105
exit
```

Chapter 3 Banning other DNS servers

If you want to ban all other DNS servers, create a new access-list to use on the WAN interface:

```
feature access-lists
; -- Access Lists user configuration --
  access-list 100
    description FILTER_DNS_OUTPUT
    entry 1 default
    entry 1 permit
    entry 1 destination address 185.236.104.104 255.255.255.255
    entry 1 destination port-range 53 53
;
    entry 2 default
    entry 2 permit
    entry 2 destination address 185.236.105.105 255.255.255.255
    entry 2 destination port-range 53 53
;
    entry 3 default
    entry 3 deny
    entry 3 destination port-range 53 53
;
    entry 4 default
    entry 4 permit
;
  exit
;
exit

network <WAN_INTERFACE>
; -- Generic Direct IP Encapsulation User Configuration -
  ip access-group 100 out
exit
```

Chapter 4 Dynamic IP

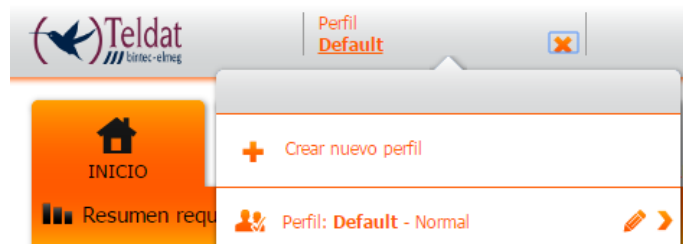
WebFilter works with both dynamic and static IPs. If you have a dynamic IP, configure the DynDNS on the router:

```
feature dns-updater
; -- DNS UPDATER configuration --
  enable
;
  entry 1 protocol DynDNS system dynamic
  entry 1 interface <INTERFACE_WAN>
  entry 1 hostname <HOSTNAME>
  entry 1 servername ddns.flashstart.com
  entry 1 user <E-MAIL> password <PASSWORD>
;
exit
```

Chapter 5 Multiprofile configuration

The advanced features allow you to create multiple profiles per customer/license and associate them to a single network (IP address). WebFilter recognizes the remote network (and configuration profile) from the public IP (example: 1.2.3.4) and the port:

- Standard 53 port (default profile)
- Other ports (110, 143, 5402, 5403)



+ Create new profile

Name:

Timezone:

Mode:

Port:

+ Name:

Timezone:

Mode:

Port:

Profile: **Default** - Normal

+ Create new profile

Profile: **Default** - Normal

Profile: **Profile2** - Normal

Web configuration example: there are two profiles - Default (port 53) and Profile2 (port 5402)

Whenever you want to create two or more profiles per network (same IP address), configure a different port for each profile. You should follow the foregoing configuration guidelines, as well as the following ones:

Enable the AFS functionality:

```
feature afs
  enable
exit
```

Change the DNS request (port 53) to the new port via NAT:

```
protocol ip
; -- Internet protocol user configuration --
;
  nat
    rule 1 out <LAN_INTERFACE_PROFILE2> static
    rule 1 translation source tcp 185.236.104.104 <PORT_PROFILE2> 185.236.104.104 53
;
    rule 2 out <LAN_INTERFACE_PROFILE2> static
    rule 2 translation source udp 185.236.104.104 <PORT_PROFILE2> 185.236.104.104 53
;
    rule 3 out <LAN_INTERFACE_PROFILE2> static
    rule 3 translation source tcp 185.236.105.105 <PORT_PROFILE2> 185.236.105.105 53
;
    rule 4 out <LAN_INTERFACE_PROFILE2> static
    rule 4 translation source udp 185.236.105.105 <PORT_PROFILE2> 185.236.105.105 53
;
  exit
;
exit
;
feature dns-updater
  no cache enable
exit
```

NOTE: Profile1 is still linked to port 53, you do not need any special configuration for it.

Chapter 6 Example: Webfilter with multiprofile, Dynamic IP and no other DNS servers

```
log-command-errors
no configuration
;
add device direct-ip 1
add device eth-subinterface ethernet0/0 16
add device eth-subinterface ethernet0/0 17
set data-link at cellular1/0
set data-link nic cellular1/1
feature afs
enable
exit
;
feature access-lists
; -- Access Lists user configuration --
access-list 100
description DIRECT_IP_FILTER_DNS_OUTPUT
entry 1 default
entry 1 permit
entry 1 destination address 185.236.104.104 255.255.255.255
entry 1 destination port-range 53 53
;
entry 2 default
entry 2 permit
entry 2 destination address 185.236.105.105 255.255.255.255
entry 2 destination port-range 53 53
;
entry 3 default
entry 3 deny
entry 3 destination port-range 53 53
;
entry 4 default
entry 4 permit
;
exit
;
exit
;
user admin hash-password 3A574FAF7E28F15516BEB5C876D8B5BC
;
global-profiles dial
; -- Dial Profiles Configuration --
profile INTERNET default
profile INTERNET dialout
profile INTERNET 3gpp-apn movistar.es
;
exit
;
network cellular1/0
; -- Interface AT. Configuration --
pin ciphered 0xBE35DF12FBFA1154
;
;
network mode automatic
network domain cs+ps
exit
;
network direct-ip1
; -- Generic Direct IP Encapsulation User Configuration --
description WAN
ip access-group 100 out
;
```

```
;
    ip address dhcp-negotiated
;
    base-interface
; -- Base Interface Configuration --
    base-interface cellular1/1 link
    base-interface cellular1/1 profile INTERNET
;
    exit
;
    direct-ip
; -- Direct IP encapsulator user configuration --
    address dhcp
    authentication sent-user MOVISTAR ciphered-pwd 0xD2650CEF62FBEBF55D3AC337DA700103F
    exit
;
    exit
;
    network ethernet0/0.16
; -- Ethernet Subinterface Configuration --
    description VLAN_16
;
    ip address 172.16.0.1 255.255.0.0
;
    encapsulation dot1q 16
;
;
;
;
;
    exit
;
    network ethernet0/0.17
; -- Ethernet Subinterface Configuration --
    description VLAN_17
;
    ip address 172.17.0.1 255.255.0.0
;
    encapsulation dot1q 17
;
;
;
;
;
;
    exit
;
;
;
;
;
;
;
;
    protocol ip
; -- Internet protocol user configuration --
    route 0.0.0.0 0.0.0.0 direct-ip1
;
    nat
    rule 1 out ethernet0/0.16 static
    rule 1 translation source tcp 185.236.104.104 5402 185.236.104.104 53
;
    rule 2 out ethernet0/0.16 static
    rule 2 translation source udp 185.236.104.104 5402 185.236.104.104 53
;
    rule 3 out ethernet0/0.16 static
    rule 3 translation source tcp 185.236.105.105 5403 185.236.105.105 53
;
    rule 4 out ethernet0/0.16 static
```

```
rule 4 translation source udp 185.236.105.105 5403 185.236.105.105 53
;

rule 10 out direct-ip1 dynamic overload
rule 10 translation source interface direct-ip1
;

exit
;

exit
;
;
;
;

feature dns
; -- DNS resolver user configuration --
    no cache enable
    server 185.236.104.104
    server 185.236.105.105
exit
;

feature dns-updater
; -- DNS UPDATER configuration --
    enable
;

entry 1 protocol DynDNS system dynamic
entry 1 interface direct-ip1
entry 1 hostname ejemplo
entry 1 servername ddns.flashstart.com
entry 1 user ejemplo@teldat.com ciphred-pwd 0x5E8102555EDEC919914FD3E6D9AD48CD
;

exit
;

dump-command-errors
```