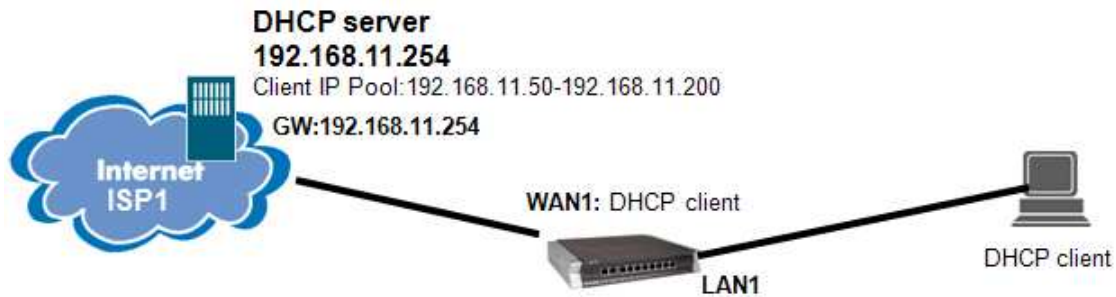


[Scenario]

In current scenario, DFL runs in transparent mode between WAN1 and LAN1 interfaces, and now customer requires to enable the function of web content filtering in order to control their users' surfing traffic.



DFL runs in transparent mode between WAN1 and LAN1 interfaces.

[Solution]

In the configuration we have made a single switchroute between the internal(LAN1) and the external(WAN1) interfaces using all-nets as network.

```
DFL-1660:/> routes
Flags Network          Iface      Gateway      Local IP      Metric
-----
0.0.0.0/0             switched    50
```

This is no problem for users connected on either side, but it will cause problems when the NetdefendOS itself wants to communicate with something beyond it's external or internal network.

Because we do not have any gateway or anything configured in the main routing table, the NetdefendOS does not know where to send the requests for addresses "beyond", in this case the web content filtering server(s).

Solution No1. What we need to do then in order to get it working is to add a static route for the WCF server(s) that points to your ISP's gateway and that the NetdefendOS has a real IP on the interface that points towards the ISP.

Example. To show all the possible IP addresses of WCF server then create static routing entries that points to your ISP's gateway for every WCF server.

```
DFL-1660:/> updatecenter -servers
Server IP      Response Time  Packet Loss  Precedence
-----
85.255.209.109 323 ms        0            Backup
194.242.225.15 355 ms        0            Backup
196.15.162.163 344 ms        0            Backup
202.152.177.32 339 ms        0            Backup
64.151.77.132  167 ms        0            Primary
85.11.194.40   406 ms        0            Backup

Server Monitoring: Active.
```

Issue the command of

```
"add Route Interface=wan1 Network=64.151.77.132 Gateway=Interface Addresses/wan1_gw"
"add Route Interface=wan1 Network=85.255.209.109 Gateway=Interface Addresses/wan1_gw"
```

⋮

Solution No2:(**Recommend**). To create a default route on WAN1 interface and set a limited "switch" route between internal and external interfaces, which means only the network 192.168.11.0/24 will be transparent between WAN1 and LAN1

```
DFL-1660:/> routes
Flags Network          Iface      Gateway      Local IP      Metric
-----
192.168.11.0/24    switched    50
0.0.0.0/0         wan1        192.168.11.254  0
```

[Note]Whitelisted hosts will works even without this route becuae a whitelisted address does not require the need for it to contact the WCF server.