How to set up multiple IP in interface with SAT services

[Topology]

[DFL-800 Setup]

1. Interface > ARP

#	Mode	Interface	IP address	MAC address	Comments
1	Publish	wan1	1.1.1.2	00-00-00-00-00-00	
2	Publish	wan1	1.1.1.3	00-00-00-00-00-00	
3	Publish	wan1	1.1.1.4	00-00-00-00-00-00	
4	Publish	wan1	1.1.1.5	00-00-00-00-00-00	
5	Publish	wan2	2.2.2.2	00-00-00-00-00-00	
6	Publish	wan2	2.2.2.3	00-00-00-00-00-00	
7	Publish	wan2	2.2.2.4	00-00-00-00-00-00	
8	Publish	wan2	2.2.2.5	00-00-00-00-00-00	

Right-click on a row for additional options.

2. Rules > IP Rules

#	Name	Action	Src If	Src Net	Dest If	Dest Net	Service
1	SAT_http_in	SAT	wan1	all-nets	core	1.1.1.2	http-all
2	SAT_http_out	Allow	wan1	all-nets	core	1.1.1.2	http-all
3	SAT_FTP_in	SAT	wan2	all-nets	core	2.2.2.2	ftp-passthrough
4	SAT_FTP_out	Allow	wan2	all-nets	core	2.2.2.2	ftp-passthrough
5	lan_to_wan1						

Right-click on a row for additional options.
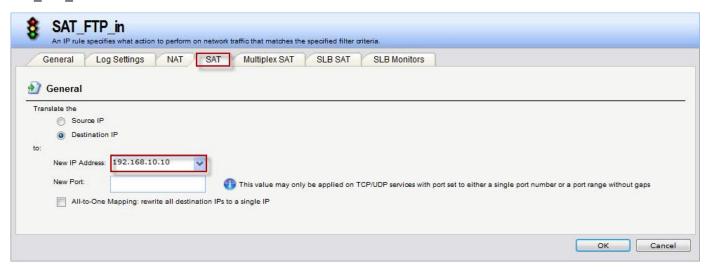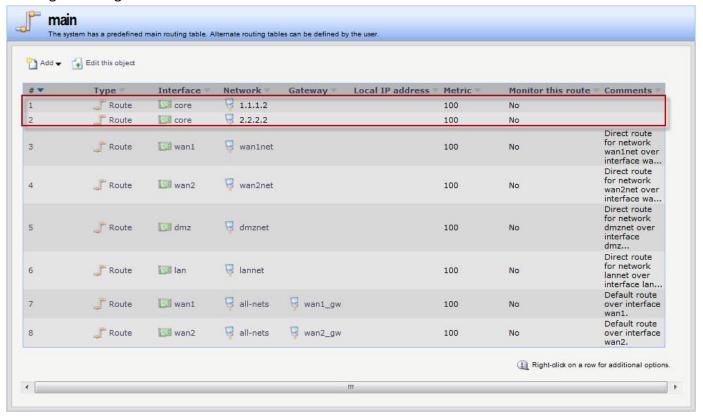
SAT_http_in

SAT_FTP_in

3. Routing > Routing Tables > main

4. Routing > Routing Tables > Add

   Create a new Routing table for FTP.
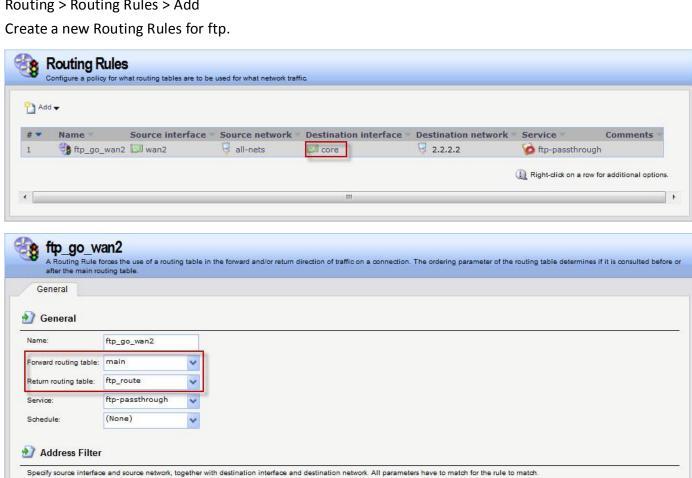

5. Routing > Routing Rules > Add

   Create a new Routing Rules for ftp.

[Test]

1. PC1 connect FTP server with 2.2.2.2

```
DFL-800:/> connections -show -all
State    Proto   Source                      Destination                 Tmout
-------- ------- --------------------------- --------------------------- ------
TCP_OPEN TCP     wan2:3.3.3.1:49193          core:2.2.2.2:21             262003
```

2. PC1 connect HTTP server with 1.1.1.2.

```
DFL-800:/> connections -show -num=100
State    Proto   Source                      Destination                 Tmout
-------- ------- --------------------------- --------------------------- ------
UDP      UDP     lan:192.168.10.20:57539     wan1:168.95.1.1:53          126
UDP      UDP     lan:192.168.10.20:57539     wan1:8.8.8.8:53             126
UDP      UDP     lan:192.168.10.20:54433     wan1:8.8.8.8:53             127
UDP      UDP     lan:192.168.10.20:54433     wan1:168.95.1.1:53          127
UDP      UDP     lan:192.168.10.20:55229     wan1:8.8.8.8:53             125
UDP      UDP     lan:192.168.10.20:55229     wan1:168.95.1.1:53          125
TCP_OPEN TCP     wan1:3.3.3.1:49197          lan:1.1.1.2:80             262140
UDP      UDP     lan:192.168.10.20:51077     wan1:172.17.102.151:389     126
UDP      UDP     lan:192.168.10.20:49831     wan1:168.95.1.1:53          128
UDP      UDP     lan:192.168.10.20:49831     wan1:8.8.8.8:53             127
TCP_OPEN TCP     wan1:3.3.3.1:49196          lan:1.1.1.2:80             58
```

```
DFL-800:/> rules -verbose
Contents of ruleset; default action is DROP
#  Act.   Source                   Destination              Protocol/Ports
-- -----  ------------------------ ------------------------ ---------------
1  SAT    wan1:0.0.0.0/0           core:1.1.1.2             "http-all"
   "SAT_http_in"   SETDEST 192.168.10.20   Use: 2   FWLOG:default SYSLOG:default
2  Allow wan1:0.0.0.0/0            core:1.1.1.2             "http-all"
   "SAT_http_out"   Use: 2   FWLOG:default SYSLOG:default
3  SAT    wan2:0.0.0.0/0           core:2.2.2.2             "ftp-passthrough"
   "SAT_FTP_in"   SETDEST 192.168.10.10   Use: 4   FWLOG:default SYSLOG:default
4  Allow wan2:0.0.0.0/0            core:2.2.2.2             "ftp-passthrough"
   "SAT_FTP_out"    Use: 4   FWLOG:default SYSLOG:default
5  Drop  lan:192.168.10.0/24      wan1:0.0.0.0/0           "smb-all"
   "drop_smb-all"    Use: 0
6  NAT   lan:192.168.10.0/24      wan1:0.0.0.0/0           "ping-outbound"
   "allow_ping-outbound"    Use: 0
7  NAT   lan:192.168.10.0/24      wan1:0.0.0.0/0           "ftp-passthrough"
   "allow_ftp-passthrough"    Use: 0
8  NAT   lan:192.168.10.0/24      wan1:0.0.0.0/0           "all_tcpudp"
   "allow_standard"    Use: 36
```

END