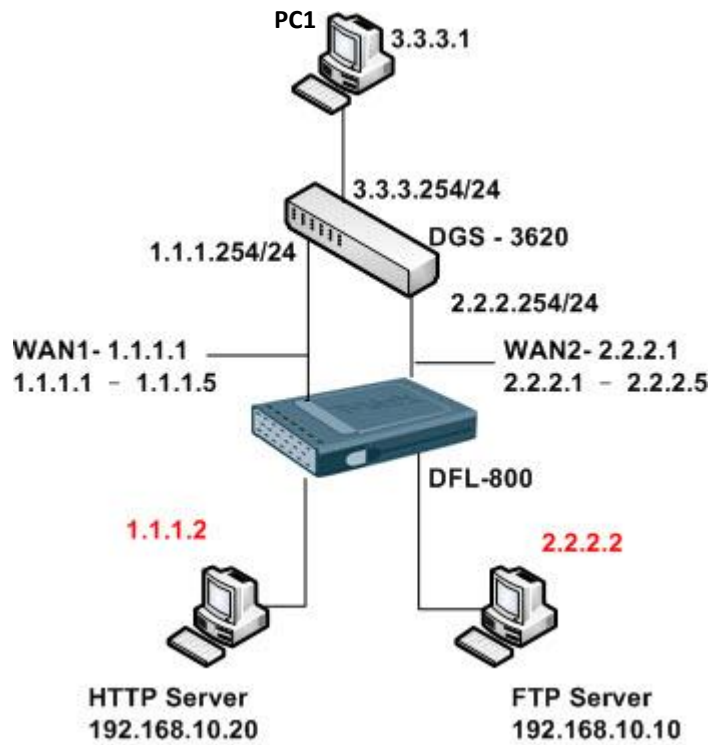


# How to set up multiple IP in interface with SAT services

[Topology]



[DFL-800 Setup]

## 1. Interface > ARP

**ARP**  
Add, remove and configure static and published ARP entries.

Add ▾ Advanced Settings

#	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

**IP Rules**  
IP rules are used to filter IP-based network traffic. In addition, they provide means for address translation as well as Server Load Balancing.

Add ▾

#	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\_http\_in**  
An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

General | Log Settings | NAT | **SAT** | Multiplex SAT | SLB SAT | SLB Monitors

**General**

Translate the

Source IP

Destination IP

to:

New IP Address:

New Port:

All-to-One Mapping: rewrite all destination IPs to a single IP

This value may only be applied on TCP/UDP services with port set to either a single port number or a port range without gaps

OK Cancel

## SAT FTP\_in

**SAT FTP\_in**  
An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

General | Log Settings | NAT | **SAT** | Multiplex SAT | SLB SAT | SLB Monitors

**General**

Translate the

Source IP

Destination IP

to:

New IP Address:

New Port:

All-to-One Mapping: rewrite all destination IPs to a single IP

This value may only be applied on TCP/UDP services with port set to either a single port number or a port range without gaps

OK Cancel

## 3. Routing > Routing Tables > main

**main**  
The system has a predefined main routing table. Alternate routing tables can be defined by the user.

Add Edit this object

#	Type	Interface	Network	Gateway	Local IP address	Metric	Monitor this route	Comments
1	Route	core	1.1.1.2			100	No	
2	Route	core	2.2.2.2			100	No	
3	Route	wan1	wan1net			100	No	Direct route for network wan1net over interface wa...
4	Route	wan2	wan2net			100	No	Direct route for network wan2net over interface wa...
5	Route	dmz	dmznet			100	No	Direct route for network dmznet over interface dmz...
6	Route	lan	lanet			100	No	Direct route for network lanet over interface lan...
7	Route	wan1	all-nets	wan1_gw		100	No	Default route over interface wan1.
8	Route	wan2	all-nets	wan2_gw		100	No	Default route over interface wan2.

Right-click on a row for additional options.

4. Routing > Routing Tables > Add  
Create a new Routing table for FTP.

#	Type	Interface	Network	Gateway	Local IP address	Metric	Monitor this route	Comments
1	Route	wan2	all-nets	wan2_gw		0	No	

5. Routing > Routing Rules > Add  
Create a new Routing Rules for ftp.

#	Name	Source interface	Source network	Destination interface	Destination network	Service	Comments
1	ftp_go_wan2	wan2	all-nets	core	2.2.2.2	ftp-passthrough	

**General**

Name: ftp\_go\_wan2

Forward routing table: main

Return routing table: ftp\_route

Service: ftp-passthrough

Schedule: (None)

**Address Filter**

Specify source interface and source network, together with destination interface and destination network. All parameters have to match for the rule to match.

Source: Interface: wan2, Network: all-nets

Destination: Interface: core, Network: 2.2.2.2

**Comments**

Comments:

OK Cancel



[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