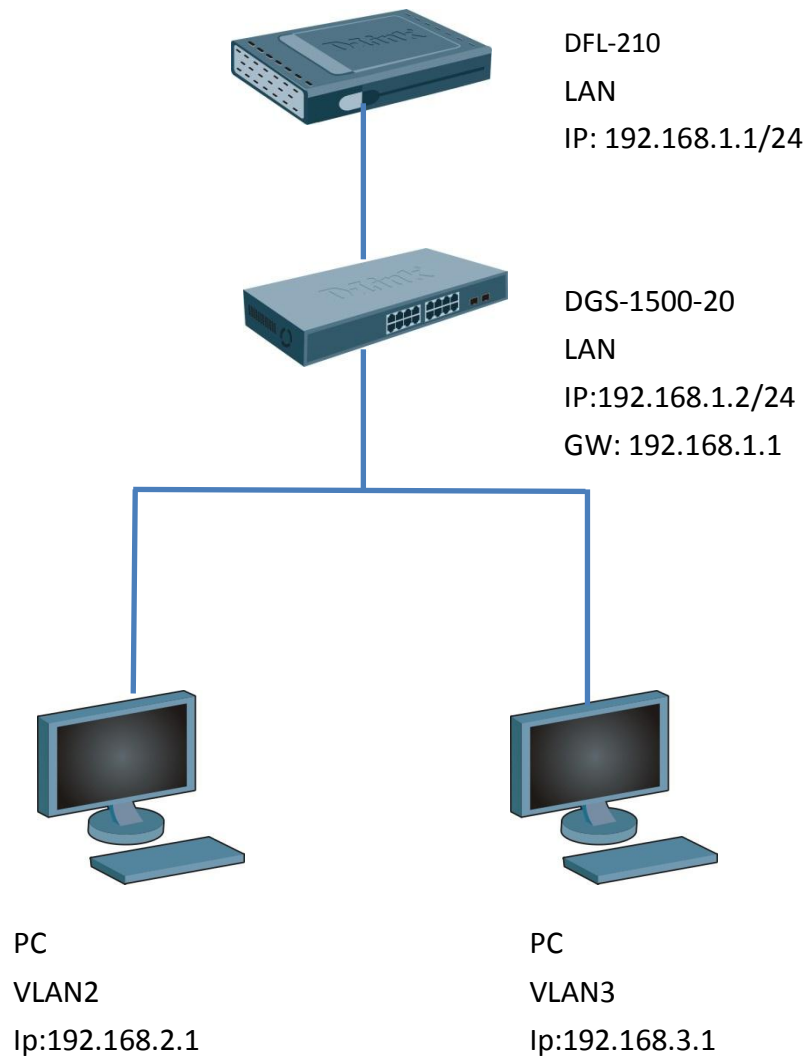


The example of VLAN routing on DFL series

This scenario is VLAN2 has a PC client and VLAN 3 has a PC client, and they can reach both sides.

DFL-210 Firmware Version 2.27.05.35-17110

DGS-1500-20 Firmware Version 1.10.001



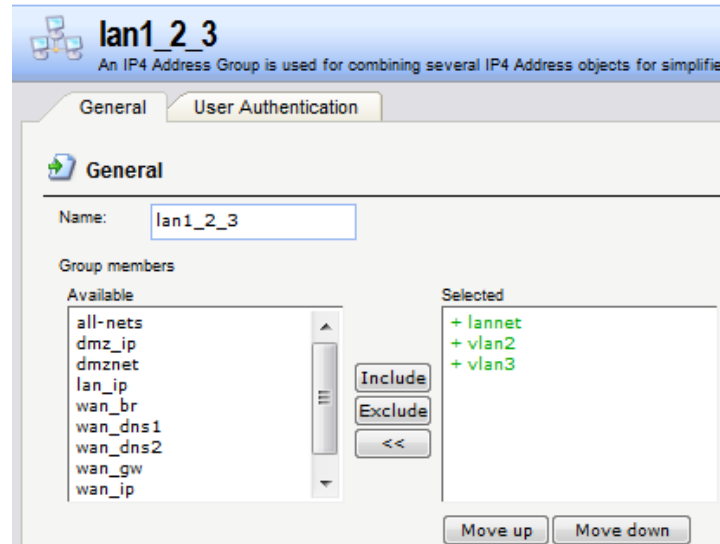
[DFL-210]

1. Objects->Address Book->Add->

①VLAN2 192.168.2.0/24

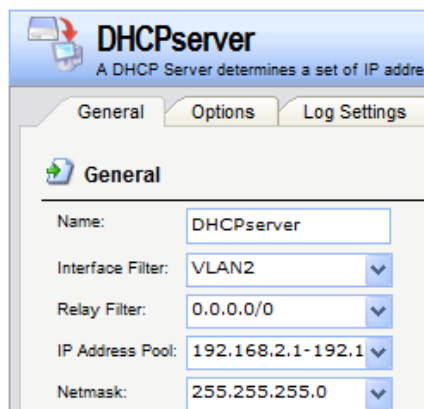
②VLAN3 192.168.3.0/24

③VLAN_1_2_3 lannet, vlan2, vlan3

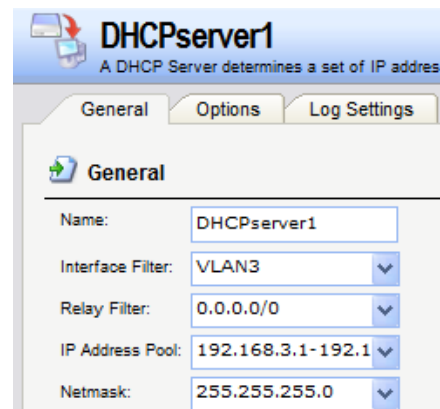


2. System ->DHCP Servers -> Add->
DHCP server

#	Name	Interface	Relayer Filter	IP Address Pool	Netmask	Enable logging
1	DHCPserver	VLAN2	0.0.0.0/0	192.168.2.1-192.168.2.10	255.255.255.0	Yes
2	DHCPserver1	VLAN3	0.0.0.0/0	192.168.3.1-192.168.3.10	255.255.255.0	Yes



DHCP server-> edit this object->Options
Default GW:192.168.2.100
DNS: 8.8.8.8



DHCP server1->edit this object-> Options
Default GW:192.168.3.100
DNS: 8.8.8.8

3. Interfaces-> Interface Groups->Add-> General

VLANGROUP
Use an interface group to combine several interfaces for a simplified security po

General

General

Name:

Security/Transport Equivalent

Interfaces

Available	Selected
core	lan
dmz	VLAN2
wan	VLAN3

>> <<

4. Interfaces->VLAN->Add-> General

VLAN2
Use a VLAN to define a virtual interface co

General Advanced

General

Name:

Interface:

VLAN ID:

Address Settings

IP address:

Network:

Default Gateway:

VLAN3
Use a VLAN to define a virtual interface co

General Advanced

General

Name:

Interface:

VLAN ID:

Address Settings

IP address:

Network:

Default Gateway:

5. Rules-> IP Rules->Add

test
An IP rule specifies what action to perform on network traffic tha

General Log Settings NAT SAT Multipl

General

Name:

Action:

Service:

Schedule:

Address Filter

Specify source interface and source network, together with destination

Source	Interface	Network	Destination	Interface	Network
VLAN2	lan1_2_3	lan1_2_3	VLAN3	lan1_2_3	lan1_2_3

test2
An IP rule specifies what action to perform on network traffic tha

General Log Settings NAT SAT Multipl

General

Name:

Action:

Service:

Schedule:

Address Filter

Specify source interface and source network, together with destination

Source	Interface	Network	Destination	Interface	Network
VLAN3	lan1_2_3	lan1_2_3	VLAN2	lan1_2_3	lan1_2_3

6. Rules-> IP Rules-> lan_to_wan->Add

#	Name	Action	Source interface	Source network	Destination interface	Destination network	Service
1	drop_smb-all	Drop	lan	lan	wan	all-nets	smb-all
2	allow_ping-outbound	NAT	VLANGROUP	lan1_2_3	wan	all-nets	ping-outbound
3	allow_ftp-passthrough_av	NAT	VLANGROUP	lan1_2_3	wan	all-nets	ftp-passthrough-av
4	allow_standard	NAT	VLANGROUP	lan1_2_3	wan	all-nets	all_tcpudp

[DGS-1500-20]

6.System->System Settings

System Settings

IP Information

Static
 DHCP
 BOOTP

Interface Name: System

VLAN Name: default

Interface Admin State: Enabled

IP Address: 192.168.1.2

Netmask: 8 (255.0.0.0)

Gateway: 192.168.1.1

7.VLAN -> 802.1Q VLAN

802.1Q VLAN Settings

Asymmetric VLAN [Example] Enabled Disabled Apply

Total static VLAN entries: 3 Add
 Maximum 4094 entries.

VID	VLAN Name	Advertisement	Untagged	Tagged	Forbidden	Delete
1	default	Disabled	01, 04-20			Delete
2	VLAN2	Disabled	02	01		Delete
3	VLAN3	Disabled	03	01		Delete

8. VID1 Settings -> Port 1 Untagged · Port 2 & 3 Not Member

VID Settings

VID: 1

VLAN Name: default

Advertisement: Enabled Disabled

Maximum 20 characters.

Port	Select All	01	02	03	04
Untagged	All	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Tagged	All	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forbidden	All	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	All	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>


```
Administrator: Windows Command Processor
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\System32>ping 192.168.2.1 -t

Pinging 192.168.2.1 with 32 bytes of data:
Reply from 192.168.2.1: bytes=32 time=2ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
Reply from 192.168.2.1: bytes=32 time=1ms TTL=127
```

END