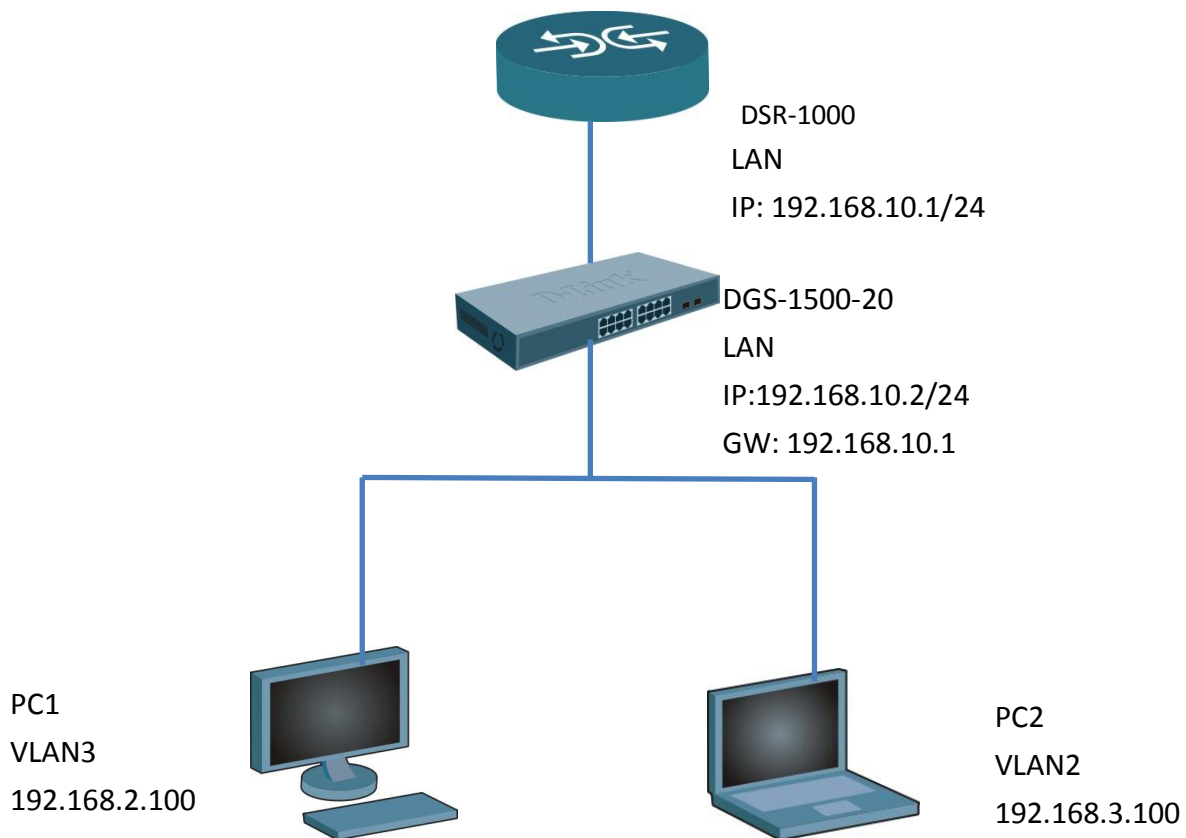


The example of VLAN routing on DSR series

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

DSR-1000 Firmware Version: 1.06B43_RU

DGS-1500-20 Firmware Version 1.10.001



[DSR-1000]

1. VLAN Setting ->add->Name VLAN 2

Name VLAN 3

ID 2

ID 3

List of available VLANs

<input type="checkbox"/>	Name	ID
<input type="checkbox"/>	Default	1
<input type="checkbox"/>	Vlan2	2
<input type="checkbox"/>	Vlan3	3

2. VLAN Setting -> Edit -> Port 1 Mode **Trunk** , VLAN Membership **1, 2, 3**

Port VLANs

<input type="checkbox"/>	Port Name	Mode	PVID	VLAN Membership
<input type="checkbox"/>	Port 1	Trunk	1	1, 2, 3
<input type="checkbox"/>	Port 2	Access	1	1
<input type="checkbox"/>	Port 3	Access	1	1
<input type="checkbox"/>	Port 4	Access	1	1

[DGS-1500-20] Firmware Version 1.10.001

3. VLAN -> 802.1Q VLAN

802.1Q VLAN Settings Safegua

Asymmetric VLAN [Example] Enabled Disabled

Total static VLAN entries: 4
Maximum 4094 entries.

VID	VLAN Name	Advertisement	Untagged	Tagged	Forbidden	Delete
1	default	Disabled	01, 05-20			<input type="button" value="Delete"/>
2	vlan2	Disabled	03	01		<input type="button" value="Delete"/>
3	vlan3	Disabled	02	01		<input type="button" value="Delete"/>

4. VID1 Settings -> Port 1 Untagged , Port 2 & 3 Not Member

VID Settings

VID **1**

VLAN Name

Advertisement Enabled Disabled

Maximum 20 characters.

Port	Select All	01	02	03	04	05
Untagged	<input type="button" value="All"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Tagged	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forbidden	<input type="button" value="All"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not Member	<input type="button" value="All"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

5. VID2 Settings -> Port 1 Tagged, Port 3 Untagged

VID Settings

VID: 2
VLAN Name:
Advertisement: Enabled Disabled
Maximum 20 characters.

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

6. 6. VID3 Settings -> Port 1 Tagged, port 2 Untagged

VID Settings

VID: 3
VLAN Name:
Advertisement: Enabled Disabled
Maximum 20 characters.

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

[TEST]

Both of VLAN PCs can ping each other.

```
C:\Administrator: Windows Command Processor - ping 192.168.2.100 -t
C:\Windows\System32>ping 192.168.2.100 -t
Pinging 192.168.2.100 with 32 bytes of data:
Reply from 192.168.2.100: bytes=32 time=1ms TTL=127
Reply from 192.168.2.100: bytes=32 time=1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time=1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time=1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
Reply from 192.168.2.100: bytes=32 time<1ms TTL=127
```

```
Administrator: Windows Command Processor - ping 192.168.3.100 -t
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\System32>ping 192.168.3.100 -t

Pinging 192.168.3.100 with 32 bytes of data:
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time=1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time=1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time=1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
Reply from 192.168.3.100: bytes=32 time<1ms TTL=127
```

END