

Scenario & Hands-on 1-2

Basic Configuration-Transparent mode

- 1 2 3 4 5 6

#	Name	Address	UserAuthGroups	Comments
0	wan1_ip	192.168.174.71		
1	wan1net	192.168.174.0/24		
2	wan2_ip	192.168.120.254		
3	wan2net	192.168.120.0/24		
4	dmz_ip	172.17.100.254		
5	dmznet	172.17.100.0/24		
6	lan1_ip	192.168.174.71		
7	lan1net	192.168.174.0/24		
8	lan2_ip	192.168.2.1		
9	lan2net	192.168.2.0/24		
10	lan3_ip	192.168.3.1		
11	lan3net	192.168.3.0/24		

Configure the IP object in address book of Object to same

- Click “address book” in Object
- Configure IP address of WAN1 and LAN1

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Enable transparent mode for WAN1 and LAN1

- Click “Ethernet” under “Interface”
- Enable transparent in WAN1 interface and add the object of gateway “Default Gateway”
- Disable “add route for interface network”

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#	Name	IP	Network
0	wan1	wan1_ip	wan1net
1	wan2	wan2_ip	wan2net
2	dmz	dmz_ip	dmznet
3	lan1	lan1_ip	lan1net
4	lan2	lan2_ip	lan2net
5	lan3	lan3_ip	lan3net

lan1

General | Hardware Settings | Advanced

General

An Ethernet interface represents a logical endpoint

Name: lan1

IP Address: lan1_ip

Network: all-nets

Default Gateway: (None)

Enable DHCP Client

Enable Transparent Mode

Enable transparent mode for WAN1 and LAN1

- Click “Ethernet” in Interface
- Enable transparent on LAN1 interface
- Disable “add route for interface network”

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Untitled

General | Log Settings | NAT | SAT | SAT Server Load Balancing

General

An IP rule specifies what action to perform on network traffic that

Name: WAN1-to-LAN1

Action: Allow

Service: all_icmp

Schedule: (None)

Address Filter

Specify source interface and source network, together with destination the rule to match.

Interface: Source: wan1, Destination: lan1

Network: all-nets, all-nets

Untitled

General | Log Settings | NAT | SAT | SAT Server Load Balancing

General

An IP rule specifies what action to perform on network traffic that

Name: LAN1-to-WAN1

Action: Allow

Service: all_services

Schedule: (None)

Address Filter

Specify source interface and source network, together with destination the rule to match.

Interface: Source: lan1, Destination: wan1

Network: all-nets, all-nets

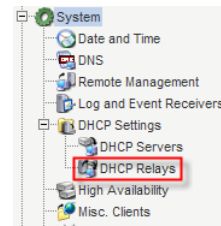
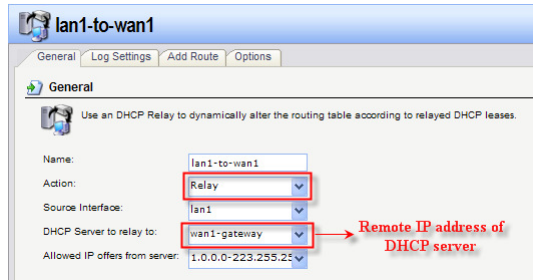
Add the “Service” rule under IP rules(WAN1 to LAN1 and LAN1 to WAN1)

- Click “IP rules” in Rules
- Choose the correct Action,Service,Interface and Network for the rule

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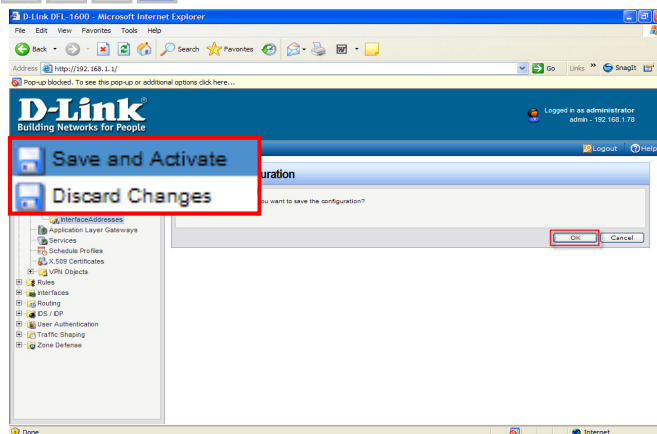


- Create the DHCP relay for LAN1 to WAN1
- Click “DHCP relays” under “System” → “DHCP Settings”
- Choose the correct Action,Service,Interface and Network for the rule

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After all configuration , Click “configuration” in main bar

- Click “Save and Activate”

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Get IP address from DHCP server and ping to gateway

Testing Result

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Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . . . : 
    IP Address . . . . . : 192.168.174.190
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.174.254

C:\Documents and Settings\Joe Lee>ping 192.168.174.254

Pinging 192.168.174.254 with 32 bytes of data:

Reply from 192.168.174.254: bytes=32 time=1ms TTL=30
Reply from 192.168.174.254: bytes=32 time=1ms TTL=30
Reply from 192.168.174.254: bytes=32 time<1ms TTL=30
Reply from 192.168.174.254: bytes=32 time=1ms TTL=30

Ping statistics for 192.168.174.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```