



ForiGate????, ?????port????WAN?LAN, ?????internal????, ??????????. ??, internal????????LAN network(????????????switch). ??????????, Multi-WAN connection, ???WAN?port????, ?????????, ??????????. ???HiNet 100M/40M??6 fixed IPs, ?????????WAN1, WAN2?DMZ. ??????, ?????????:

1. WAN 1: ??IP
2. WAN 2: ?VTU-R??DHCP??IP
3. WAN 3: ??IP

* ?VTU-R??Interface Grouping?????. ??WAN2??routing?????bridge?(br1)

<input type="checkbox"/>	Name	Type	IP/Netmask	Access
<input type="checkbox"/>	dmz	Physical Interface	60.???? / 255.255.255.0	PING
<input type="checkbox"/>	wan2	Physical Interface	17.???? / 255.255.255.0	PING
<input type="checkbox"/>	wan1	Physical Interface	60.???? / 255.255.255.0	PING
<input type="checkbox"/>	mesh.root (SSID: fortinet.mesh.root)	WiFi	0.0.0.0 / 0.0.0.0	
<input type="checkbox"/>	wl.mesh	WLAN Mesh	192.168.3.99 / 255.255.255.0	PING,CAPWAP
<input type="checkbox"/>	internal	Physical Interface	10.1.1.100 / 255.255.255.0	HTTP,HTTPS,PING,TELNET

????EMCP?Source IP based, ??IP?????????. ?????????, ?????LAN????????WAN/DMZ port?. ?

Routing?????????:

1. Static Routing
2. Policy Routing

????????routing??:

IP/Mask	Gateway	Device	Comment	Distance	Priority
0.0.0.0 0.0.0.0	60.????	wan1		10	0
0.0.0.0 0.0.0.0		wan2		10	5
10.2.0.0 255.255.0.0	10.1.1.102	internal		5	0
0.0.0.0 0.0.0.0	60.????	dmz		10	10

Distance????, ??Priority?????????. ?????????, ?????????traffic?????????. ?????????WAN 1. ?????? WAN 2?VTU-R??DHCP????IP, ?Mutli-WAN??CLI??, ?????checkbox.

Name	wan2(00:09:0F:A4:CB:58)
Alias	<input type="text"/>
Link Status	Up
Type	Physical Interface

Addressing mode	<input type="radio"/> Manual <input checked="" type="radio"/> DHCP <input type="radio"/> PPPoE <input type="radio"/> Dedicate to FortiAP
Status	connected
Obtained IP/Netmask	172.16.2.100 255.255.255.0 <input type="button" value="Renew"/>
Expiry Date	August 31, 2013 10:08 AM
Distance	<input type="text" value="10"/>
Retrieve default gateway from server.	<input type="checkbox"/>
Override internal DNS.	<input type="checkbox"/>

請勿選取

?????CLI??:

```
FWF60C3G12006405 (2) # get
seq-num      : 2
blackhole    : disable
comment      :
device       : wan2
distance     : 10
dst          : 0.0.0.0 0.0.0.0
dynamic-gateway : enable
priority     : 5
weight       : 0

FWF60C3G12006405 (2) # show
config router static
  edit 2
    set device "wan2"
    set dynamic-gateway enable
    set priority 5
  next
end
```

PPPoE?????????????????. ?????routing?????, ?????????????LAN?routing?????WAN/DMZ port?. ?????????????:

1. 10.2.162.0/24 => DMZ

2. 10.2.[116-118].0/24 => WAN 2

* **DEFAULT: All traffic => WAN 1**

???Policy Routing?????:

#	Incoming	Outgoing	Source	Destination	Gateway Address
1	internal	dmz	10.2.162.0/255.255.255.0	0.0.0.0/0.0.0.0	0.0.0.0
3	internal	wan2	10.2.117.0/255.255.255.0	0.0.0.0/0.0.0.0	0.0.0.0
4	internal	wan2	10.2.118.0/255.255.255.0	0.0.0.0/0.0.0.0	0.0.0.0
5	internal	wan2	10.2.116.0/255.255.255.0	0.0.0.0/0.0.0.0	0.0.0.0

??Gateway??????0.0.0.0??????, ??????. ??????????:

If incoming traffic matches:

Protocol Any TCP UDP SCTP

Incoming interface

Source address / mask

Destination address / mask

Type of Service Bit Pattern Bit Mask

Force traffic to:

Outgoing interface

Gateway Address

Comments 0/255

?????????, ??routing????????port?. ?????????sniffer????, ???CLI??:

```
FWF60C3G12006405 # diag sniffer packet wan2
interfaces=[wan2]
filters=[none]
1.148674 172.16.2.100.41200 -> 106.1.228.4.15652: udp 30
1.148857 172.16.2.100.41200 -> 14.199.145.97.21588: udp 30
1.482383 114.24.0.19.14288 -> 172.16.2.100.52302: fin 163870503
1.485614 172.16.2.100.52302 -> 114.24.0.19.14288: fin 600112828
```

?????policy table????????count??sessions.

To	Destination	Schedule	Service	Action	NAT	Log	Count
internal	dmz\$DS112+	always	Synology	✓ Accept	✗	✗	144 Packets / 9.02 KB
internal	wan1\$FGT@SSL	always	HTTPS	✓ Accept	✗	✗	3,915,707 Packets / 2.23 GB
	wan1\$FGT@IKE500		IKE				
	wan1\$FGT@IKE4500						
internal	wan1\$PC	always	ALL	✓ Accept	✗	✗	447,728,174 Packets / 350.84 GB
internal	wan2\$PC	always	ALL	✓ Accept	✗	✗	8,024 Packets / 3.93 MB
internal	wan2\$XBOX360	always	ALL	✓ Accept	✗	✗	0 Packets / 0 B
	wan2\$PS3						
dmz	any	always	ALL	✓ Accept	✓	✓	6,443 Packets / 2.89 MB
wan1	any	always	DNS	✓ Accept	✓	✓	343,879 Packets / 35.86 MB
wan1	any	always	Web Access	✓ Accept	✓	✓	29,023,803 Packets / 25.48 GB
wan1	any	always	ALL	✓ Accept	✓	✓	184,189,467 Packets / 122.90 GB
wan1	any	always	ALL	✓ Accept	✓	✓	7,345 Packets / 635.07 KB
wan1	any	always	ALL	✓ Accept	✓	✓	29,347 Packets / 13.58 MB
wan1	any	always	ALL	✓ Accept	✓	✓	0 Packets / 0 B
wan2	any	always	ALL	✓ Accept	✓	✓	113,759,827 Packets / 107.84 GB

PS:

????????, ???IP????????????, ?????:

WAN 1: 123.11.224.15/24

????, ???IP???, ??????????, ??????????.

WAN 2: 123.11.224.18/24 <==by default: ???

????CLI????????IP??:

```
FWF60C3G12006405 (settings) # show
config system settings
    set gui-default-policy-columns "#" "srcintf" "srcaddr" "dst
    set sip-tcp-port 5060
    set sip-udp-port 5060
    set allow-subnet-overlap enable
    set discovered-device-timeout 3
end
```