

Routing  
Switching  
Tigers  
Forum

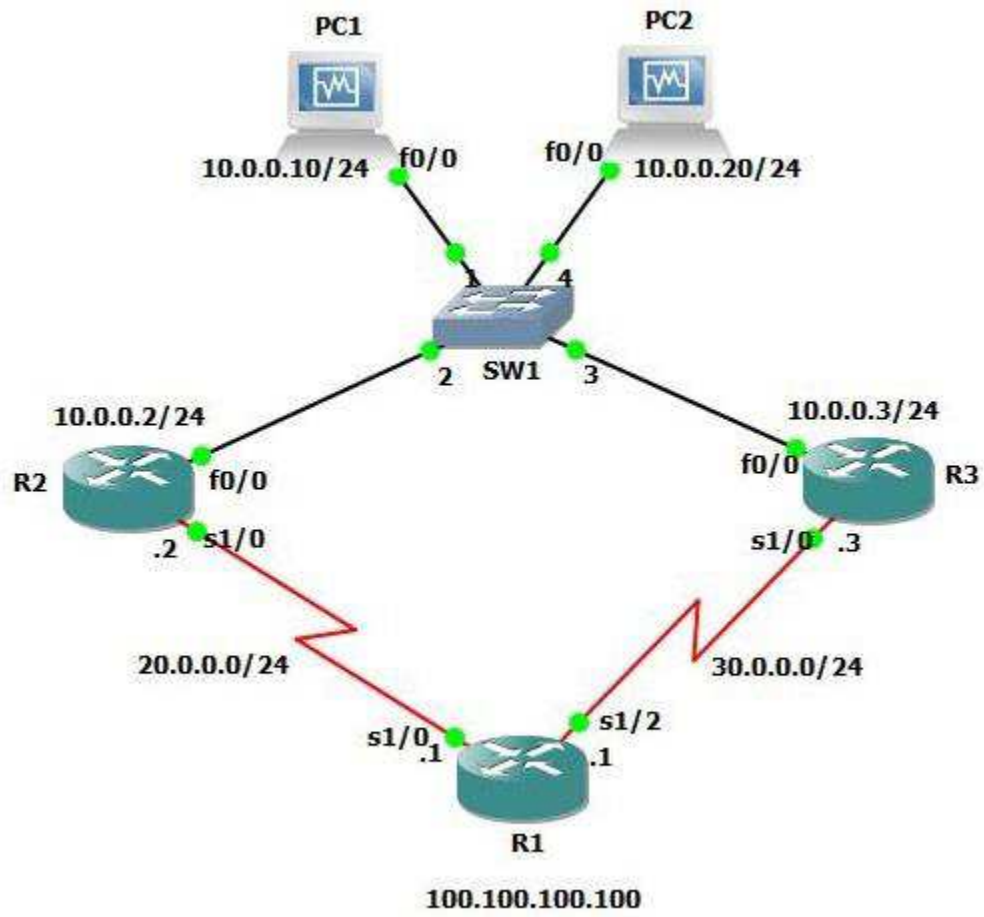


# GLBP



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# GLBP Topology



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# LAB 1: Configure GLBP:

## Task 1: Configure GLBP

Step 1 Configure GLBP Basic Configuration

PC1:

```
interface f0/0
ip address 10.0.0.10 255.255.255.0
no shutdown
exit
```

```
ip route 100.0.0.0 255.0.0.0 10.0.0.5
```

PC2:

```
interface f0/0
ip address 10.0.0.20 255.255.255.0
no shutdown
exit
```

```
ip route 100.0.0.0 255.0.0.0 10.0.0.5
```

R2:

```
interface f0/0
ip address 10.0.0.2 255.255.255.0
no shutdown
exit
```

```
interface serial 1/0
ip address 20.0.0.2 255.255.255.0
no shutdown
exit
```

```
ip route 100.0.0.0 255.0.0.0 20.0.0.4
```

```
int f0/0
glbp 1 ip 10.0.0.5
glbp 1 priority 100
glbp 1 preempt
glbp 1 load-balancing round-robin
glbp 1 timers msec 200 msec 700
exit
```

R3:

```
interface f0/0
ip address 10.0.0.3 255.255.255.0
no shutdown
exit
```

```
interface serial 1/0
ip address 30.0.0.3 255.255.255.0
no shutdown
exit
```

```
ip route 100.0.0.0 255.0.0.0 30.0.0.4
```

```
int f0/0
glbp 1 ip 10.0.0.5
glbp 1 priority 150
glbp 1 preempt
glbp 1 load-balancing round-robin
glbp 1 timers msec 200 msec 700
exit
```

R1:

```
interface serial 1/0
ip address 20.0.0.1 255.255.255.0
no shutdown
exit
```

```
interface serial 1/2
ip address 30.0.0.1 255.255.255.0
no shutdown
exit
```

```
interface loopback 1
ip address 100.100.100.100 255.255.255.0
exit
```

```
ip route 0.0.0.0 0.0.0.0 20.0.0.2
ip route 0.0.0.0 0.0.0.0 30.0.0.3
```

## Task 2: Verification

Step 1 Verify Gateway State and GLBP Round Robin Load Balancing

```
R2:
R2#show glbp
FastEthernet0/0 - Group 1
State is Standby
7 state changes, last state change 00:00:51
Virtual IP address is 10.0.0.5
Hello time 200 msec, hold time 700 msec
Next hello sent in 0.092 secs
Redirect time 600 sec, forwarder timeout 14400 sec
Preemption enabled, min delay 0 sec
Active is 10.0.0.3, priority 150 (expires in 0.520 sec)
Standby is local
Priority 100 (default)
Weighting 100 (default 100), thresholds: lower 1, upper 100
Load balancing: round-robin
Group members:
c202.11ec.0000 (10.0.0.2) local
c203.11ec.0000 (10.0.0.3)
There are 2 forwarders (1 active)
Forwarder 1
State is Active
1 state change, last state change 00:10:27
MAC address is 0007.b400.0101 (default)
Owner ID is c202.11ec.0000
Preemption enabled, min delay 30 sec
Active is local, weighting 100
Forwarder 2
State is Listen
2 state changes, last state change 00:01:26
MAC address is 0007.b400.0102 (learnt)
Owner ID is c203.11ec.0000
Time to live: 14399.936 sec (maximum 14400 sec)
Preemption enabled, min delay 30 sec
Active is 10.0.0.3 (primary), weighting 100 (expires in 0.656 sec)
```

R3:

R3#show glbp

FastEthernet0/0 - Group 1

State is Active

1 state change, last state change 00:06:18

Virtual IP address is 10.0.0.5

Hello time 200 msec, hold time 700 msec

Next hello sent in 0.024 secs

Redirect time 600 sec, forwarder timeout 14400 sec

Preemption enabled, min delay 0 sec

Active is local

Standby is 10.0.0.2, priority 100 (expires in 0.588 sec)

Priority 150 (configured)

Weighting 100 (default 100), thresholds: lower 1, upper 100

Load balancing: round-robin

Group members:

c202.11ec.0000 (10.0.0.2)

c203.11ec.0000 (10.0.0.3) local

There are 2 forwarders (1 active)

Forwarder 1

State is Listen

4 state changes, last state change 00:04:43

MAC address is 0007.b400.0101 (learnt)

Owner ID is c202.11ec.0000

Redirection enabled, 599.868 sec remaining (maximum 600 sec)

Time to live: 14399.848 sec (maximum 14400 sec)

Preemption enabled, min delay 30 sec

Active is 10.0.0.2 (primary), weighting 100 (expires in 0.536 sec)

Forwarder 2

State is Active

1 state change, last state change 00:06:24

MAC address is 0007.b400.0102 (default)

Owner ID is c203.11ec.0000

Redirection enabled

Preemption enabled, min delay 30 sec

Active is local, weighting 100

R2:

R2#show glbp brief

Interface	Grp	Fwd	Pri	State	Address	Active router	Standby router
Fa0/0	1		- 100	Standby	10.0.0.5	10.0.0.3	local
Fa0/0	1	1	-	Active	0007.b400.0101	local	-
Fa0/0	1	2	-	Listen	0007.b400.0102	10.0.0.3	-

R3#show glbp brief

Interface	Grp	Fwd	Pri	State	Address	Active router	Standby router
Fa0/0	1		- 150	Active	10.0.0.5	local	10.0.0.2
Fa0/0	1	1	-	Listen	0007.b400.0101	10.0.0.2	-
Fa0/0	1	2	-	Active	0007.b400.0102	local	-

PC1#show arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	10.0.0.10	-	c206.11ec.0000	ARPA	FastEthernet0/0

PC2#show arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	10.0.0.20	-	c207.0c70.0000	ARPA	FastEthernet0/0

PC2:

PC2#debug arp

ARP packet debugging is on

PC2#ping 100.100.100.100

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

\*Mar 1 00:50:16.067: IP ARP: creating incomplete entry for IP address: 10.0.0.5 interface FastEthernet0/0

\*Mar 1 00:50:16.071: IP ARP: sent req src 10.0.0.20 c207.0c70.0000, dst 10.0.0.5 0000.0000.0000 FastEthernet0/0

\*Mar 1 00:50:16.199: IP ARP: rcvd rep src 10.0.0.5 0007.b400.0101, dst 10.0.0.20 FastEthernet0/0.!!!!

Success rate is 80 percent (4/5), round-trip min/avg/max = 128/184/220 ms

```
PC1:
PC1#debug arp
ARP packet debugging is on
PC1#
PC1#ping 100.100.100.100
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

```
*Mar 1 00:52:04.131: IP ARP: creating incomplete entry for IP address: 10.0.0.5
interface FastEthernet0/0
*Mar 1 00:52:04.131: IP ARP: sent req src 10.0.0.10 c206.11ec.0000,
dst 10.0.0.5 0000.0000.0000 FastEthernet0/0
*Mar 1 00:52:04.307: IP ARP: rcvd rep src 10.0.0.5 0007.b400.0102, dst 10.0.0.10
FastEthernet0/0.
*Mar 1 00:52:06.271: IP ARP: rcvd req src 10.0.0.2 c202.11ec.0000, dst 10.0.0.10
FastEthernet0/0
*Mar 1 00:52:06.275: IP ARP: creating entry for IP address: 10.0.0.2, hw:
c202.11ec.0000
*Mar 1 00:52:06.275: IP ARP: sent rep src 10.0.0.10 c206.11ec.0000,
dst 10.0.0.2 c202.11ec.0000 FastEthernet0/0.!!!
Success rate is 60 percent (3/5), round-trip min/avg/max = 156/194/220 ms
```

GLBP Load balancing is done by using Round Robin

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### Task 3: GLBP Weighted Load balancing

Step 1 Configure GLBP Load balancing based on Weight

R2:

```
int f0/0
glbp 1 weighting 120
glbp 1 load-balancing weighted
exit
```

R3:

```
int f0/0
glbp 1 weighting 110
glbp 1 load-balancing weighted
exit
```

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## Step 2 Verify GLBP Weighted Load balancing

R2:

R2#show glbp

FastEthernet0/0 - Group 1

State is Standby

16 state changes, last state change 00:14:24

Virtual IP address is 10.0.0.5

Hello time 200 msec, hold time 700 msec

Next hello sent in 0.088 secs

Redirect time 600 sec, forwarder timeout 14400 sec

Preemption enabled, min delay 0 sec

Active is 10.0.0.3, priority 150 (expires in 0.508 sec)

Standby is local

Priority 100 (default)

Weighting 120 (configured 120), thresholds: lower 1, upper 120

**Load balancing: weighted**

Group members:

c202.11ec.0000 (10.0.0.2) local

c203.11ec.0000 (10.0.0.3)

There are 2 forwarders (1 active)

Forwarder 1

State is Active

1 state change, last state change 00:59:08

MAC address is 0007.b400.0101 (default)

Owner ID is c202.11ec.0000

Preemption enabled, min delay 30 sec

Active is local, weighting 120

Forwarder 2

State is Listen

8 state changes, last state change 00:14:27

MAC address is 0007.b400.0102 (learnt)

Owner ID is c203.11ec.0000

Time to live: 14399.776 sec (maximum 14400 sec)

Preemption enabled, min delay 30 sec

Active is 10.0.0.3 (primary), weighting 110 (expires in 0.664 sec)

R3:

R3#show glbp

FastEthernet0/0 - Group 1

State is Active

1 state change, last state change 00:48:28

Virtual IP address is 10.0.0.5

Hello time 200 msec, hold time 700 msec

Next hello sent in 0.100 secs

Redirect time 600 sec, forwarder timeout 14400 sec

Preemption enabled, min delay 0 sec

Active is local

Standby is 10.0.0.2, priority 100 (expires in 0.480 sec)

Priority 150 (configured)

Weighting 110 (configured 110), thresholds: lower 1, upper 110

**Load balancing: weighted**

Group members:

c202.11ec.0000 (10.0.0.2)

c203.11ec.0000 (10.0.0.3) local

There are 2 forwarders (1 active)

Forwarder 1

State is Listen

6 state changes, last state change 00:12:19

MAC address is 0007.b400.0101 (learnt)

Owner ID is c202.11ec.0000

Redirection enabled, 599.776 sec remaining (maximum 600 sec)

Time to live: 14399.848 sec (maximum 14400 sec)

Preemption enabled, min delay 30 sec

Active is 10.0.0.2 (primary), weighting 120 (expires in 0.604 sec)

Client selection count: 1

Forwarder 2

State is Active

1 state change, last state change 00:48:43

MAC address is 0007.b400.0102 (default)

Owner ID is c203.11ec.0000

Redirection enabled

Preemption enabled, min delay 30 sec

Active is local, weighting 110

Client selection count: 1

R2#debug glbp

GLBP debugging is on

R2#

\*Mar 1 00:04:49.323: GLBP: Fa0/0 Grp 1 Hello in VG Active pri 150 vIP 10.0.0.5 hello 3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102

\*Mar 1 00:04:49.559: GLBP: Fa0/0 Grp 1 Hello out VG Standby pri 100 vIP 10.0.0.5 hello 3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101

R2#

\*Mar 1 00:04:52.335: GLBP: Fa0/0 Grp 1 Hello in VG Active pri 150 vIP 10.0.0.5 hello 3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102

\*Mar 1 00:04:52.563: GLBP: Fa0/0 Grp 1 Hello out VG Standby pri 100 vIP 10.0.0.5 hello 3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101

R3#debug glbp

GLBP debugging is on

\*Mar 1 01:36:46.471: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello 3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102

\*Mar 1 01:36:46.979: GLBP: Fa0/0 Grp 1 Hello in VG Standby pri 100 vIP 10.0.0.5 hello 3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101

R3#

\*Mar 1 01:36:49.475: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello 3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102

\*Mar 1 01:36:49.971: GLBP: Fa0/0 Grp 1 Hello in VG Standby pri 100 vIP 10.0.0.5 hello 3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101

PC1:

```
PC1#debug arp
```

```
ARP packet debugging is on
```

```
PC1#ping 100.100.100.100
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

```
*Mar 1 00:23:43.279: IP ARP: creating incomplete entry for IP address: 10.0.0.5
interface FastEthernet0/0
*Mar 1 00:23:43.283: IP ARP: sent req src 10.0.0.10 c203.0c90.0000,
dst 10.0.0.5 0000.0000.0000 FastEthernet0/0
*Mar 1 00:23:43.483: IP ARP: rcvd rep src 10.0.0.5 0007.b400.0101, dst 10.0.0.10
FastEthernet0/0..
*Mar 1 00:23:45.627: IP ARP: rcvd req src 10.0.0.2 c201.0c90.0000, dst 10.0.0.10
FastEthernet0/0
*Mar 1 00:23:45.635: IP ARP: creating entry for IP address: 10.0.0.2, hw:
c201.0c90.0000
*Mar 1 00:23:45.635: IP ARP: sent rep src 10.0.0.10 c203.0c90.0000,
dst 10.0.0.2 c201.0c90.0000 FastEthernet0/0!!!
Success rate is 60 percent (3/5), round-trip min/avg/max = 136/144/156 ms
```

PC2:

```
PC2#debug arp
```

```
ARP packet debugging is on
```

```
PC2#ping 100.100.100.100
```

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

```
*Mar 1 00:24:54.939: IP ARP: creating incomplete entry for IP address: 10.0.0.5
interface FastEthernet0/0
*Mar 1 00:24:54.943: IP ARP: sent req src 10.0.0.20 c204.11cc.0000,
dst 10.0.0.5 0000.0000.0000 FastEthernet0/0
*Mar 1 00:24:55.255: IP ARP: rcvd rep src 10.0.0.5 0007.b400.0102, dst 10.0.0.20
FastEthernet0/0.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 120/280/472 ms
```

```
PC1#traceroute 100.100.100.100
Type escape sequence to abort.
Tracing the route to 100.100.100.100
```

```
1 10.0.0.2 120 msec 136 msec 184 msec
2 20.0.0.1 272 msec 172 msec *
```

```
PC2#traceroute 100.100.100.100
Type escape sequence to abort.
Tracing the route to 100.100.100.100
```

```
1 10.0.0.3 516 msec 300 msec 68 msec
2 30.0.0.1 460 msec * 156 msec
```

GLBP Load balancing is done based on Weightage of Forwarder

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### Task 3: Verify GLBP Automatic Gateway Selection

Step 1 Shutdown one of the forwarder

```
R2:
interface f0/0
shutdown
```

Step 2 Verify GLBP Automatic Gateway selection to Router 3

```
R3:
R3#debug glbp
GLBP debugging is on
*Mar 1 00:55:21.803: GLBP: Fa0/0 Grp 1 Hello in VG Standby pri 100 vIP 10.0.0.5 hello
3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101
*Mar 1 00:55:22.167: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello
3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102
R3#
*Mar 1 00:55:34.759: GLBP: Fa0/0 1 Standby router is unknown, was 10.0.0.2
*Mar 1 00:55:34.763: GLBP: Fa0/0 1.1 Listen: g/Active timer expired
*Mar 1 00:55:34.763: GLBP: Fa0/0 1.1 Listen -> Active
*Mar 1 00:55:34.763: %GLBP-6-FWDSTATECHANGE: FastEthernet0/0 Grp 1 Fwd 1 state
Listen -> Active
R3#
*Mar 1 00:55:34.771: GLBP: Fa0/0 Grp 1 Hello out VF 1 Active pri 135 vMAC 0007.b400.0101
R3#
*Mar 1 00:55:37.187: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello
3000, hold 10000 VF 1 Active pri 135 vMAC 0007.b400.0101 VF 2 Active pri 167 vMAC
0007.b400.0102
R3#
*Mar 1 00:55:40.195: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello
3000, hold 10000 VF 1 Active pri 135 vMAC 0007.b400.0101 VF 2 Active pri 167 vMAC
0007.b400.0102
```

When forwarder 1 fails or link goes down, then forwarder 2 will support both its own Virtual MAC address as well as Virtual MAC address of the failed Forwarder 1 i.e. Forwarder 2 will Active for both PCs  
Now traffic will only forwarded by Forwarder 2 for both PCs

R3#show glbp

FastEthernet0/0 - Group 1

State is Active

1 state change, last state change 01:15:21

Virtual IP address is 10.0.0.5

Hello time 3 sec, hold time 10 sec

Next hello sent in 0.812 secs

Redirect time 600 sec, forwarder timeout 14400 sec

Preemption enabled, min delay 0 sec

Active is local

Standby is unknown

Priority 150 (configured)

Weighting 110 (configured 110), thresholds: lower 1, upper 110

Load balancing: weighted

Group members:

c202.0c90.0000 (10.0.0.3) local

There are 2 forwarders (2 active)

**Forwarder 1**

**State is Active**

5 state changes, last state change 00:32:14

MAC address is 0007.b400.0101 (learnt)

Owner ID is c201.0c90.0000

Redirection disabled

Time to live: 12455.732 sec (maximum 14400 sec)

Preemption enabled, min delay 30 sec

Active is local, weighting 110

Client selection count: 1

**Forwarder 2**

**State is Active**

1 state change, last state change 01:16:13

MAC address is 0007.b400.0102 (default)

Owner ID is c202.0c90.0000

Redirection enabled

Preemption enabled, min delay 30 sec

Active is local, weighting 110

Client selection count: 1



R3#show glbp brief

Interface	Grp	Fwd	Pri	State	Address	Active router	Standby router
Fa0/0	1	-	150	Active	10.0.0.5	local	unknown
Fa0/0	1	1	-	Active	0007.b400.0101	local	-
Fa0/0	1	2	-	Active	0007.b400.0102	local	-

Forwarder 2 will Active for both PCs

Now traffic will only forwarded by Forwarder 2 for both PCs

PC1#ping 100.100.100.100

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 128/179/252 ms

PC1#traceroute 100.100.100.100

Type escape sequence to abort.

Tracing the route to 100.100.100.100

1 10.0.0.3 76 msec 60 msec 92 msec

2 30.0.0.1 80 msec \* 184 msec

PC2#ping 100.100.100.100

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 100.100.100.100, timeout is 2 seconds:

!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 128/179/252 ms

PC2#traceroute 100.100.100.100

Type escape sequence to abort.

Tracing the route to 100.100.100.100

1 10.0.0.3 76 msec 60 msec 92 msec

2 30.0.0.1 80 msec \* 184 msec

## Task 4: Verify GLBP Automatic Gateway Selection when Serial link is down

Step 1 Shutdown the serial interface

R2:

```
interface serial 1/0
shutdown
```

R2#show glbp

```
FastEthernet0/0 - Group 1
State is Standby
1 state change, last state change 00:05:58
Virtual IP address is 10.0.0.5
Hello time 3 sec, hold time 10 sec
Next hello sent in 1.132 secs
Redirect time 600 sec, forwarder timeout 14400 sec
Preemption enabled, min delay 0 sec
Active is 10.0.0.3, priority 150 (expires in 7.872 sec)
Standby is local
Priority 100 (default)
Weighting 120 (configured 120), thresholds: lower 1, upper 120
Load balancing: weighted
Group members:
c201.0360.0000 (10.0.0.2) local
c202.0360.0000 (10.0.0.3)
There are 2 forwarders (1 active)
Forwarder 1
State is Listen
MAC address is 0007.b400.0101 (learnt)
Owner ID is c202.0360.0000
Time to live: 14397.872 sec (maximum 14400 sec)
Preemption enabled, min delay 30 sec
Active is 10.0.0.3 (primary), weighting 110 (expires in 8.236 sec)
Forwarder 2
State is Active
1 state change, last state change 00:06:08
MAC address is 0007.b400.0102 (default)
Owner ID is c201.0360.0000
Preemption enabled, min delay 30 sec
Active is local, weighting 120
```

R3:

```
R3#debug glbp
```

```
GLBP debugging is on
```

```
R3#
```

```
*Mar 1 00:14:20.255: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello  
3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101
```

```
*Mar 1 00:14:20.627: GLBP: Fa0/0 Grp 1 Hello in VG Standby pri 100 vIP 10.0.0.5 hello  
3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102
```

```
R3#
```

```
*Mar 1 00:14:23.263: GLBP: Fa0/0 Grp 1 Hello out VG Active pri 150 vIP 10.0.0.5 hello  
3000, hold 10000 VF 1 Active pri 167 vMAC 0007.b400.0101
```

```
*Mar 1 00:14:23.687: GLBP: Fa0/0 Grp 1 Hello in VG Standby pri 100 vIP 10.0.0.5 hello  
3000, hold 10000 VF 2 Active pri 167 vMAC 0007.b400.0102
```

Step 2 Configure GLBP Track to track serial interface

R2:

```
track 1 interface serial 1/0 line-protocol
```

```
exit
```

```
interface FastEthernet 0/0
```

```
glbp 1 weighting 120 lower 1
```

```
glbp 1 weighting track 1 decrement 50
```

```
exit
```

```
Serial interface 1/0 is being tracked
```

```
interface serial 1/0
```

```
shutdown
```

```
*Mar 1 01:02:03.619: %TRACKING-5-STATE: 1 interface Se1/0 line-protocol Up->Down
```

```
R2(config-if)#exit
```

```
*Mar 1 01:02:05.579: %LINK-5-CHANGED: Interface Serial1/0, changed state to  
administratively down
```

```
*Mar 1 01:02:06.579: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0,  
changed state to down
```

Step 3 Verify GLBP Automatic Gateway selection to Router 3 form Standby state to Active state

R2:

R2#show glbp

FastEthernet0/0 - Group 1

State is Standby

1 state change, last state change 02:35:43

Virtual IP address is 10.0.0.5

Hello time 3 sec, hold time 10 sec

Next hello sent in 2.004 secs

Redirect time 600 sec, forwarder timeout 14400 sec

Preemption enabled, min delay 0 sec

Active is 10.0.0.3, priority 150 (expires in 8.472 sec)

Standby is local

Priority 100 (default)

Weighting 70 (configured 120), thresholds: lower 1, upper 120

Track object 1 state Down decrement 50

Load balancing: weighted

Group members:

c201.0360.0000 (10.0.0.2) local

c202.0360.0000 (10.0.0.3)

There are 2 forwarders (1 active)

Forwarder 1

State is Listen

MAC address is 0007.b400.0101 (learnt)

Owner ID is c202.0360.0000

Time to live: 14398.476 sec (maximum 14400 sec)

Preemption enabled, min delay 30 sec

Active is 10.0.0.3 (primary), weighting 110 (expires in 7.864 sec)

Forwarder 2

State is Active

1 state change, last state change 02:36:05

MAC address is 0007.b400.0102 (default)

Owner ID is c201.0360.0000

Preemption enabled, min delay 30 sec

Active is local, weighting 70