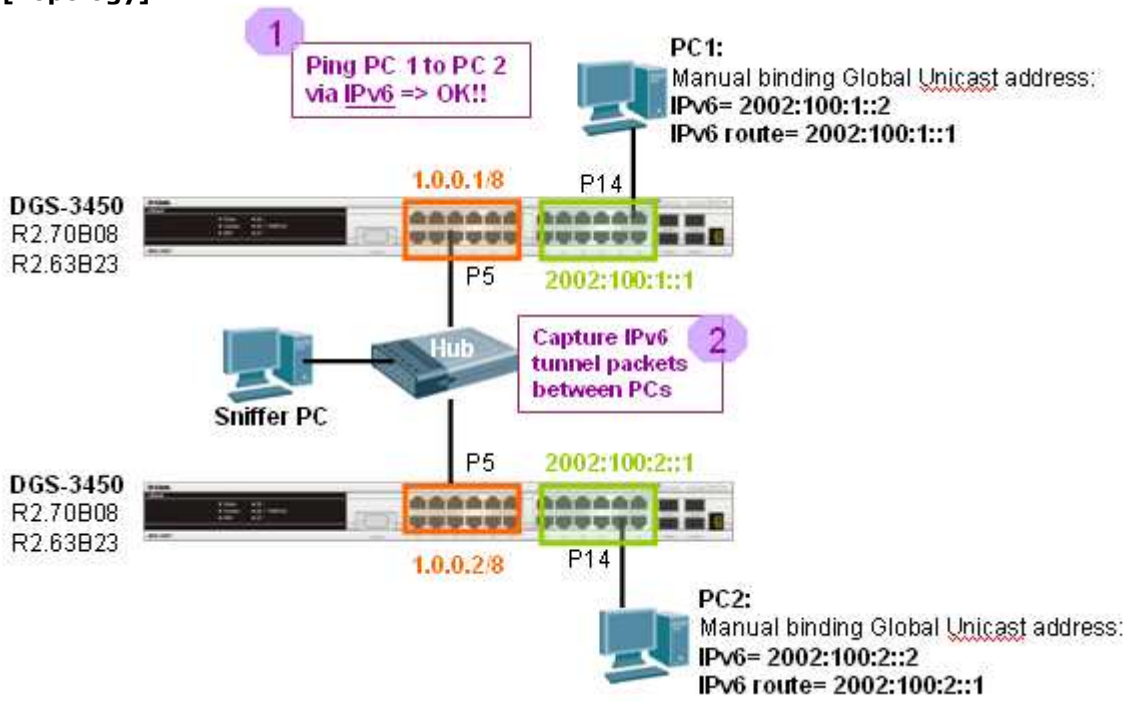
[Topology]



[Configuration]
See attached file.

[Test Steps]
0) Set up the configuration on both DGS-3400.
1) Manual binding the IPv6 unicast address and route to both PC, (for routing, we need to use IPv6 Global Unicast to forward the traffic).
[If you use XP, you can use following commands to add/delete the IPv6 unicast address and its route via cmd on PC]:
netsh interface ipv6 add address "Local Area Connection" 2002:100:1::2
netsh interface ipv6 delete address "Local Area Connection" 2002:100:1::2
netsh interface ipv6 add route ::/0 "Local Area Connection" 2002:100:1::1
netsh interface ipv6 delete route ::/0 "Local Area Connection" 2002:100:1::1

2) Start ping6 to each other, all work well.

3) Sniffer the packets between DGS-3400s. As attached packet capture, we can see the IPv6 6to4 packets as below, IPv4 header contain IPv6 information:

No.	Time	Source	Destination	Protocol	Info
1	0.000000	2002:100:1::2	2002:100:2::1	ICMPv6	Echo request
2	0.001339	2002:100:2::1	2002:100:1::2	ICMPv6	Echo reply
3	1.017530	2002:100:1::2	2002:100:2::1	ICMPv6	Echo request
4	1.017534	2002:100:2::1	2002:100:1::2	ICMPv6	Echo reply
6	2.028077	2002:100:1::2	2002:100:2::1	ICMPv6	Echo request
7	2.029614	2002:100:2::1	2002:100:1::2	ICMPv6	Echo reply

```
⊞ Frame 1 (114 bytes on wire, 114 bytes captured)
⊞ Ethernet II, Src: D-Link_ca:bb:14 (00:1c:f0:ca:bb:14), Dst: D-Link_c8:59:72 (00
⊞ Internet Protocol, Src: 1.0.0.1 (1.0.0.1), Dst: 1.0.0.2 (1.0.0.2)
⊞ Internet Protocol Version 6
⊞ Internet Control Message Protocol v6
```