



First Hop Redundancy Protocol – Quick Reference Table

	HSRP	VRRP	GLBP
Standard	Proprietary	Standards Based	Proprietary
Primary/Backup	1 Primary. 1 backup. Others Listen.	1 Master. All others in Backup state.	1 AVG. Up to 3 other AVFs + secondary forwarders
Command to set priority	Switch(config-if)# standby group priority priority	Switch(config-if)# vrrp group priority priority	Switch(config-if)# glbp group priority level
Command to set IP	Switch(config-if)# standby group ip ip-address	Switch(config-if)# vrrp group ip ip-address	Switch(config-if)# glbp group ip ip-address
Group Range	0-255	0-255	0 - 1023
Default Group	0	None (need to specify)	None (need to specify)
Default priority	100	100	100
Unique group numbers	16	16	n/a
Priority Range	0-255	1-254	1-254
Multicast Address	224.0.0.2	224.0.0.18	224.0.0.102
Port	UDP 1985	n/a – IP protocol 112	UDP 3222
Default decrement	10	n/a	10
MAC Address used	0000.0c07.acxx. where xx = group.	0000.5e00.01xx. where xx=group.	0007.b4xx.xxyy. Where xxxx = six zeroes plus group number and yy=VF number.
Timers	Hello=3sec. Holddown=10sec.	Hello=1sec	Hello=3sec. Holddown=10sec.
Pre-empt default	Off	On	off
Pre-empt Command	Switch(config-if)# standby group preempt [delay [minimum seconds] [reload seconds]]	Switch(config-if)# vrrp group preempt [delay seconds]	Switch(config-if)# glbp group preempt [delay minimum seconds]
Timer Command	Switch(config-if)# standby group timers msec hello msec holdtime	Switch(config-if)# vrrp group timers advertise msec interval	Switch(config-if)# glbp group timers msec hello msec holdtime
Authentication	Switch(config-if)# standby group authentication [string md5 [key-chain chain key string string]]	Switch(config-if)# vrrp group authentication string	Switch(config-if)# glbp group authentication text string
Conceding the election	Switch(config-if)# standby group track int [decrement value]	none	Switch(config)# track track interface int {line-protocol ip routing} Switch(config-if)# glbp group max [lower lower][upper upper] Switch(config-if)# glbp group weight track object [decrement decrement]
Redirect /Timeout	n/a	n/a	Switch(config-if)# glbp group timers redirect redirect timeout