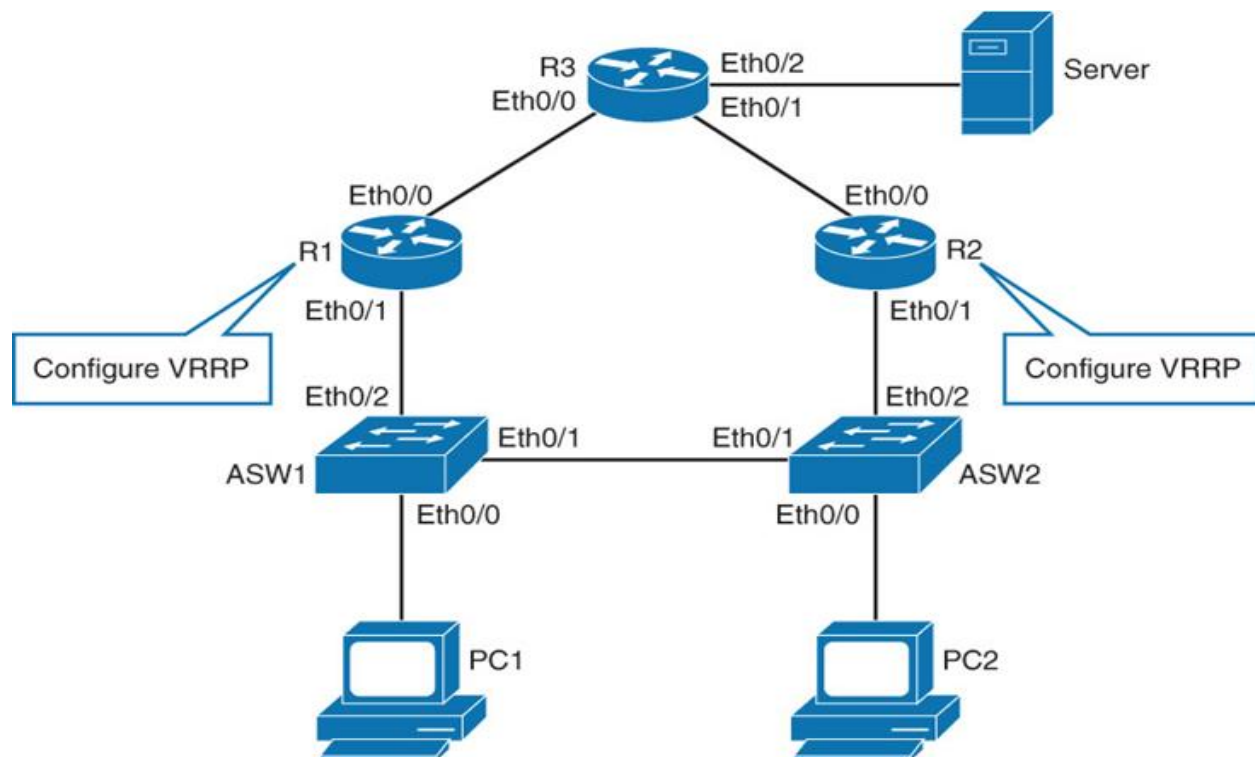


VRRP (Virtual Router Redundancy Protocol):

- o VRRP is term which stands for **Virtual Router Redundancy Protocol**.
- o VRRP is open standard alternative to HSRP (Hot Standby Router Protocol).
- o Uses terms master/backup same as active/standby in HSRP Protocols.
- o In VRRP, one Router or Switch assumes the function of “Master” Device.
- o In VRRP, other Router or Switch is known as “Backup” Router or Switch.
- o Master sends VRRP advertisements to other routers in the same group.
- o VRRP, uses multicast IP 224.0.0.18 for hello mechanism and elections.
- o VRRP (Virtual Router Redundancy Protocol) uses own transport protocol 112.
- o VRRP use the Virtual MAC address which is 0000.5E00.01XX. (XX is group no.).
- o Unlike in HSRP protocol, in VRRP the preemption is enabled by default.
- o Preemption can be disabled using the `no vrrp preempt` command under interface.
- o In VRRP, the default Hello time is 1 seconds and the Hold time is set to 3 seconds.
- o Virtual IP Address can be the same as the real IP address on the interface.
- o In VRRP, the gateway become master using highest priority 255.
- o Load sharing can be using multiple group & virtual IP with changing the priority.
- o There are three versions of VRRP and VRRP version 3 support IPv6 as well.



Track this interface and if it fails, decrease R2's VRRP priority so R1 can take over. This will prevent the traffic from taking a suboptimal path.

