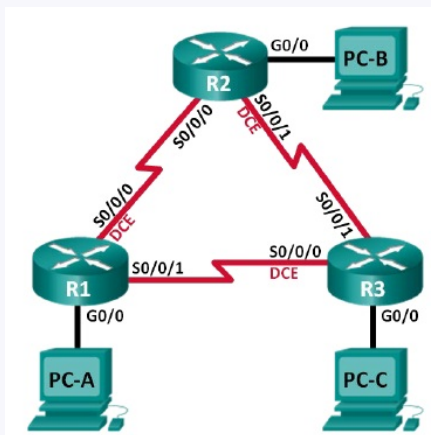


Basic Configuration

Router (co nfig)# hostname R1	set hostname of Router
Router (co nfig)# no ip domain -lookup	disable dns lookup
Router (co nfig)# enable secret class	set password for privileged EXEC mode
Router (co nfi g-l ine)# password cisco	sets console password
Router (co nfi g-l ine)# login	enables login
Router (co nfig)# copy run start	copies running configuration to startup configuration

Topology



Topology for 8.2.4.5 and 10.2.2.3

Verify OSPF

Router# show ip ospf	shows all ospf information
Router# show ip ospf neighbor	shows ospf neighbor routers
Router# show ip route ospf	verify ospf networks
Router# show ip protocols	verify ospf configuration
Router# show ip ospf interface	shows summary of OSPF-enabled interfaces
Router# show ip ospf interface F0/0	shows ospf information about that interface

For OSPFv3 add ipv6 to the command: Router (co nfig)# show ipv6 route ospf

Configure OSPF

Router (co nfig)# router ospf 1
Router (co nfi g-r outer)# network 192.168.1.0 0.0.0.0
Router (co nfi g-r outer)# router-id 1.1.1.1
Router (co nfi g-r outer)# auto-cost reference-bandwidth 10000

Router (co nfig)# clear ip ospf process

Router (co nfig)# passive-interface F0/0

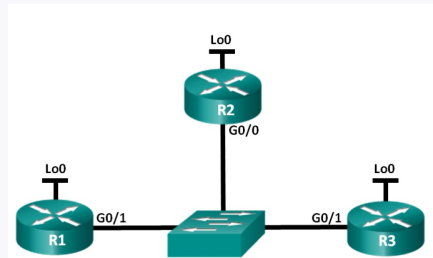
Router (co nfig)# no-passive-interface F0/0

Router (co nfi g-if)# ip ospf cost 1565

Router (co nfi g-if)# ip ospf priority 255

Router (co nfi g-if)# ip ospf priority 0

Topology



Topology for 10.1.1.13



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