## Core1:

**Interface Config**

int g0/0

ip address 10.7.50.0 255.255.255.252

no shut

int g0/1

ip address 10.7.50.1 255.255.255.252

no shut

int g0/2

ip address 10.7.50.13 255.255.255.252

no shut

int g0/3

ip address 172.16.17.2 255.255.255.252

no shut

int lo0

ip address 1.1.1.1 255.255.255.255

int range g0/0-2

ip ospf priority 5

**OSPF Config:**

router ospf 1

router-id 1.1.1.1

log-adjacency-changes

area 1 range 10.8.0.0 255.255.0.0

network 10.7.50.9 0.0.0.0 area 0

network 10.7.50.1 0.0.0.0 area 0

network 10.7.50.13 0.0.0.0 area 1

area 0 authentication message-digest

area 1 authentication message-digest

area 1 stub

exit

int g0/0

ip ospf message-digest-key 1 md5 P@ssw0rd

int g0/1

ip ospf message-digest-key 1 md5 P@ssw0rd

int g0/2

ip ospf message-digest-key 1 md5 P@ssw0rd

**BGP Config:**

router bgp 65007

bgp router-id 1.1.1.1

neighbor 2.2.2.2 remote-as 65007

neighbor 2.2.2.2 update-source lo0

neighbor 172.16.17.2 remote-as 4700

network 10.7.0.0 mask 255.255.0.0

network 10.8.0.0 mask 255.255.0.0

bgp default local-preference 200

neighbor 172.16.17.2 route-map LOCAL-ONLY out

route-map LOCAL-ONLY permit 10

match as-path 1

ip as-path access-list 1 permit ^$

## Core2:

**Interface Config**

int g0/0

ip address 10.7.50.5 255.255.255.252

no shut

int g0/1

ip address 10.7.50.2 255.255.255.252

no shut

int g0/3

ip address 172.16.17.5 255.255.255.252

no shut

int lo0  
ip address 2.2.2.2 255.255.255.255

**OSPF Config:**

router ospf 1

router-id 2.2.2.2

log-adjacency-changes

network 10.7.50.2 0.0.0.0 area 0

network 10.7.50.5 0.0.0.0 area 0

area 0 authentication message-digest

area 1 stub

exit

int g0/0

ip ospf message-digest-key 1 md5 P@ssw0rd

int g0/1

ip ospf message-digest-key 1 md5 P@ssw0rd

**BGP Config:**

router bgp 65007

bgp router-id 2.2.2.2

neighbor 1.1.1.1 remote-as 65007

neighbor 1.1.1.1 update-source lo0

neighbor 172.16.17.6 remote-as 4700

neighbor 172.16.17.6 route-map LOCAL-ONLY-PREPEND out

network 10.7.0.0 mask 255.255.0.0

route-map LOCAL-ONLY-PREPEND permit 10

match as-path 1

set as-path prepend 65007 65007

ip as-path access-list 1 permit ^$

## SiteB

**Interface Config:**

Int g0/0

ip address 10.7.50.14 255.255.255.252

ip ospf priority 0

no shut

int g0/1

ip address 10.8.0.1 255.255.255.0 #(example address to represent link to site B network)

no shut

**OSPF Config:**

router ospf 1

router-id 5.5.5.5

log-adjacency-changes

network 10.8.10.1 0.0.0.0 area 1

network 10.8.0.1 0.0.0.0 area 1

network 10.7.50.14 0.0.0.0 area 1