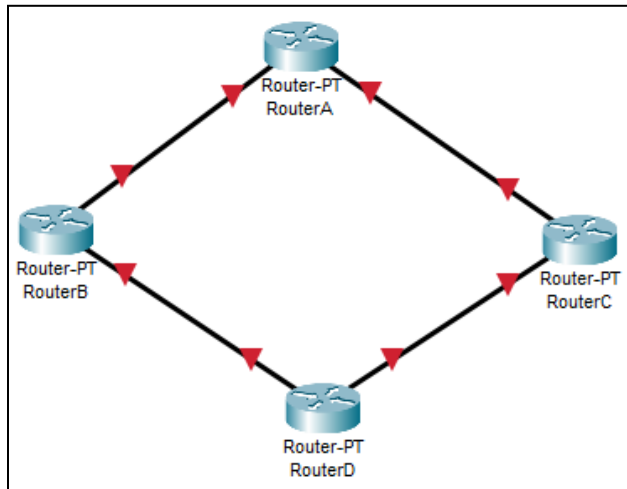


CCN LAB 9



Interface Configurations

Device Name: RouterA
Device Model: Router-PT
Hostname: Router

Port	Link	IP Address
FastEthernet0/0	Up	2.3.4.6/8
FastEthernet1/0	Up	3.4.5.7/8

Device Name: RouterC
Device Model: Router-PT
Hostname: Router

Port	Link	IP Address
FastEthernet0/0	Up	3.4.5.6/8
FastEthernet1/0	Up	4.3.3.2/30

Device Name: RouterB
Device Model: Router-PT
Hostname: Router

Port	Link	IP Address
FastEthernet0/0	Up	2.3.4.5/8
FastEthernet1/0	Up	4.2.2.2/8

Device Name: RouterD
Device Model: Router-PT
Hostname: Router

Port	Link	IP Address
FastEthernet0/0	Up	4.2.2.1/30
FastEthernet1/0	Up	4.3.3.1/30

Router A

```

Router(config-if)#router bgp 123
Router(config-router)#network 1.0.0.0
Router(config-router)#neighbor 2.3.4.5
% Incomplete command.
Router(config-router)#neighbor 2.3.4.5 remote-as 21
Router(config-router)#neighbor 3.4.5.6 remote-as 37
Router(config-router)#exit
Router(config)#exit
  
```

```

Router#show ip bgp summary
BGP router identifier 3.4.5.7, local AS number 123
BGP table version is 1, main routing table version 6
0 network entries using 0 bytes of memory
0 path entries using 0 bytes of memory
0/0 BGP path/bestpath attribute entries using 0 bytes of memory
0 BGP AS-PATH entries using 0 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory
BGP using 32 total bytes of memory
BGP activity 0/0 prefixes, 0/0 paths, scan interval 60 secs

Neighbor      V    AS MsgRcvd MsgSent  TblVer  InQ OutQ Up/Down  State/PfxRcd
2.3.4.5        4    21      0      0        1    0    0 00:44:34      4
3.4.5.6        4    37      0      0        1    0    0 00:44:34      4
  
```

Router B

```

Router(config-if)#router bgp 21
Router(config-router)#network 21.0.0.0
Router(config-router)#neighbor 2.3.4.6 remote as 123
^
% Invalid input detected at '^' marker.

Router(config-router)#neighbor 2.3.4.6 remote-as 123
Router(config-router)#neighbor 4.2.2.1 remote-as 40
Router(config-router)#exit
Router(config)#exit
  
```

```
Router#show ip bgp summary
BGP router identifier 4.2.2.2, local AS number 21
BGP table version is 1, main routing table version 6
0 network entries using 0 bytes of memory
0 path entries using 0 bytes of memory
0/0 BGP path/bestpath attribute entries using 0 bytes of memory
0 BGP AS-PATH entries using 0 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory
BGP using 32 total bytes of memory
BGP activity 0/0 prefixes, 0/0 paths, scan interval 60 secs
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
2.3.4.6	4	123	0	0	1	0	0	00:48:16	4
4.2.2.1	4	40	0	0	1	0	0	00:48:16	4

Router C

```
Router(config-if)#router bgp 37
Router(config-router)#network 37.0.0.0
Router(config-router)#neighbor 3.4.5.7 remote-as 123
Router(config-router)#neighbor 4.3.3.1 remote-as 40
Router(config-router)#exit
Router(config)#exit
```

```
Router#show ip bgp summary
BGP router identifier 4.3.3.2, local AS number 37
BGP table version is 1, main routing table version 6
0 network entries using 0 bytes of memory
0 path entries using 0 bytes of memory
0/0 BGP path/bestpath attribute entries using 0 bytes of memory
0 BGP AS-PATH entries using 0 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory
BGP using 32 total bytes of memory
BGP activity 0/0 prefixes, 0/0 paths, scan interval 60 secs
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
3.4.5.7	4	123	0	0	1	0	0	00:47:59	4
4.3.3.1	4	40	0	0	1	0	0	00:47:59	4

Router D

```
Router(config-if)#router bgp 40
Router(config-router)#network 40.0.0.0
Router(config-router)#neighbor 4.2.2.2 remote-as 21
Router(config-router)#neighbor 4.3.3.2 remote-as 37
Router(config-router)#exit
Router(config)#exit
```

```
Router#show ip bgp summary
BGP router identifier 4.3.3.1, local AS number 40
BGP table version is 1, main routing table version 6
0 network entries using 0 bytes of memory
0 path entries using 0 bytes of memory
0/0 BGP path/bestpath attribute entries using 0 bytes of memory
0 BGP AS-PATH entries using 0 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 1) using 32 bytes of memory
BGP using 32 total bytes of memory
BGP activity 0/0 prefixes, 0/0 paths, scan interval 60 secs
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
4.2.2.2	4	21	0	0	1	0	0	00:27:19	4
4.3.3.2	4	37	0	0	1	0	0	00:27:19	4