



Sample BGP Configuration

The following excerpt displays the relevant portions of the command-line interface (CLI) configuration, which is used as a basis for the Border Gateway Protocol (BGP) examples contained within this document:

```
router bgp 3
  timers bgp 60 180
  bgp router-id 10.1.0.1
  bgp update-delay 55
  bgp cluster-id 10.1.0.2
  bgp graceful-restart purge-time 300
  default-information originate
  bgp graceful-restart restart-time 180
  bgp log neighbor changes disable
  default-metric 10
  bgp graceful-restart stalepath-time 300
  bgp graceful-restart
  bgp as-path-loopcheck
  socket send-buffer-size 131072
  bgp bestpath med always
  bgp bestpath compare-routerid
  bgp bestpath med missing-as-worst
  socket receive-buffer-size 131072
  address-family ipv4 unicast
    distance bgp 140 145 150
    bgp dampening 1 1400 1800 2
    bgp scan-time 30
    network 10.100.1.0/24
    network 10.100.2.0/24
    aggregate-address 10.100.0.0/16 summary-only
    redistribute connected route-map MATCH_ONE_CONNECT
    redistribute static route-map MATCH_ONE_STATIC
  exit
  address-family ipv4 multicast
    distance bgp 120 125 130
    maximum-paths 6
    bgp dampening 2 2400 2800 3
    bgp scan-time 40
    network 10.10.1.0/24
    network 10.10.2.0/24
    aggregate-address 80.100.0.0/16 summary-only
    redistribute connected
  exit
  .
  .
  .
  neighbor 10.0.101.1
    remote-as 1
```

```

ebgp-multihop 255
address-family ipv4 unicast
  send-community-ebgp
  route-map EBGD_IN_1 in
exit
address-family ipv4 multicast
  send-community-ebgp
  route-map EBGD_IN_1 in
exit
exit
neighbor 10.0.101.2
  remote-as 2
  ebgp-multihop 255
  address-family ipv4 unicast
    send-community-ebgp
    capability orf prefix-list receive
    route-map EBGD_IN_1 in
  exit
  address-family ipv4 multicast
    send-community-ebgp
    route-map EBGD_IN_1 in
  exit
exit
neighbor 10.0.101.3
  remote-as 3
  address-family ipv4 unicast
    route-map IBGP_IN_1 in
  exit
  address-family ipv4 multicast
    route-map IBGP_IN_1 in
  exit
exit
neighbor 10.0.101.4
  remote-as 4
  ebgp-multihop 255
  address-family ipv4 unicast
    route-map EBGD_IN_2 in
  exit
  address-family ipv4 multicast
    route-map EBGD_IN_2 in
  exit
exit
neighbor 10.0.101.5
  remote-as 5
  ebgp-multihop 255
  address-family ipv4 unicast
    route-map EBGD_IN_3 in
  exit
  address-family ipv4 multicast
    route-map EBGD_IN_3 in
  exit
exit
neighbor 10.0.101.6
  remote-as 6
  ebgp-multihop 255
  address-family ipv4 unicast
    prefix-list orf in
    capability orf prefix-list both
  exit
  address-family ipv4 multicast
    prefix-list orf in
  exit
exit
neighbor 10.0.101.7

```

```
remote-as 7
ebgp-multihop 255
address-family ipv4 unicast
  prefix-list orf in
  capability orf prefix-list send
exit
address-family ipv4 multicast
  prefix-list orf in
exit
exit
neighbor 10.0.101.8
  remote-as 8
  ebgp-multihop 255
  address-family ipv4 multicast
  exit
exit
.
.
.
exit
```

