DIVISION

TEMPLATES AND GUIDESFG

EXAMPLE OF BGP CONFIGURATION:

EBGP

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Router1#

Router bgp xxxxx 🡨 xxxxx = your bgp autonomous system #

Bgp router-id x.x.x.x 🡨 this can be any 32-bit router-id identifier, typically an active loopack IP is used

Neighbor x.x.x.x remote-as xxxxx 🡨 x.x.x.x is the reachable IP of your neighbor, xxxxx = their autonomous system number

Neighbor x.x.x.x ebgp-multihop x 🡨 x.x.x.x is the neighbor IP, x is the TTL or number of hops allowed to reach the neighbor

Neighbor x.x.x.x update-source loopback x 🡨 the update-source is a routable interface on your device to source updates from

Network x.x.x.x mask x.x.x.x 🡨 when advertising networks into bgp use this format, the route must exist in your routing table

IBGP

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Router1#

Router bgp xxxxx 🡨 same meaning as above

Bgp router-id x.x.x.x 🡨 same meaning as above

Neighbor x.x.x.x remote-as xxxxx 🡨 same meaning as above but in IBGP the neighbor AS # is the same as your own AS #

Neighbor x.x.x.x next-hop-self 🡨 this tells all IBGP peers to use your device as next-hop to reach any IBGP shared routes