

BGP GR CLI Extensions

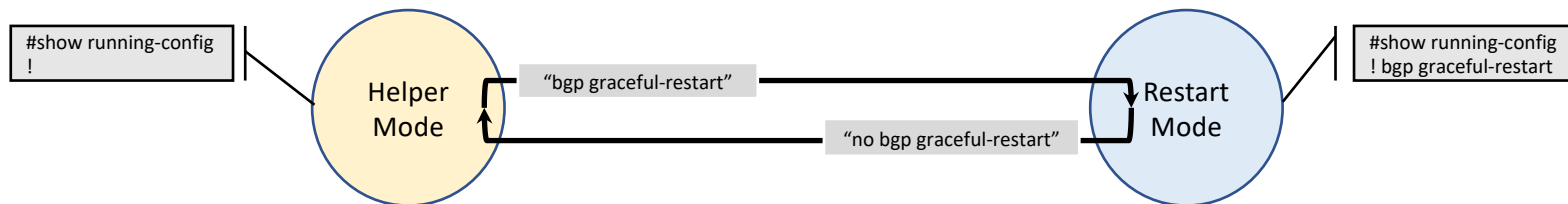
FRR BGP GR CLI Extensions Goals

- Retain existing BGP GR CLI and behavior/functionality.
- Extend FRR BGP GR CLI at Global Level to support
 - Disable Mode (Neither Restart nor Helper Mode)
 - BGP GR Helper Mode
- Extend FRR BGP GR CLI at per Peer Level to support
 - BGP GR Helper Mode
 - Disable Mode (Neither Restart nor Helper Mode)
 - Follow the Global Level GR CLI
- Default Mode at Global Level would be “GR Helper Mode”
- Default Mode at per Peer Level would be “Follow Global Level GR CLI”

Global Current Modes

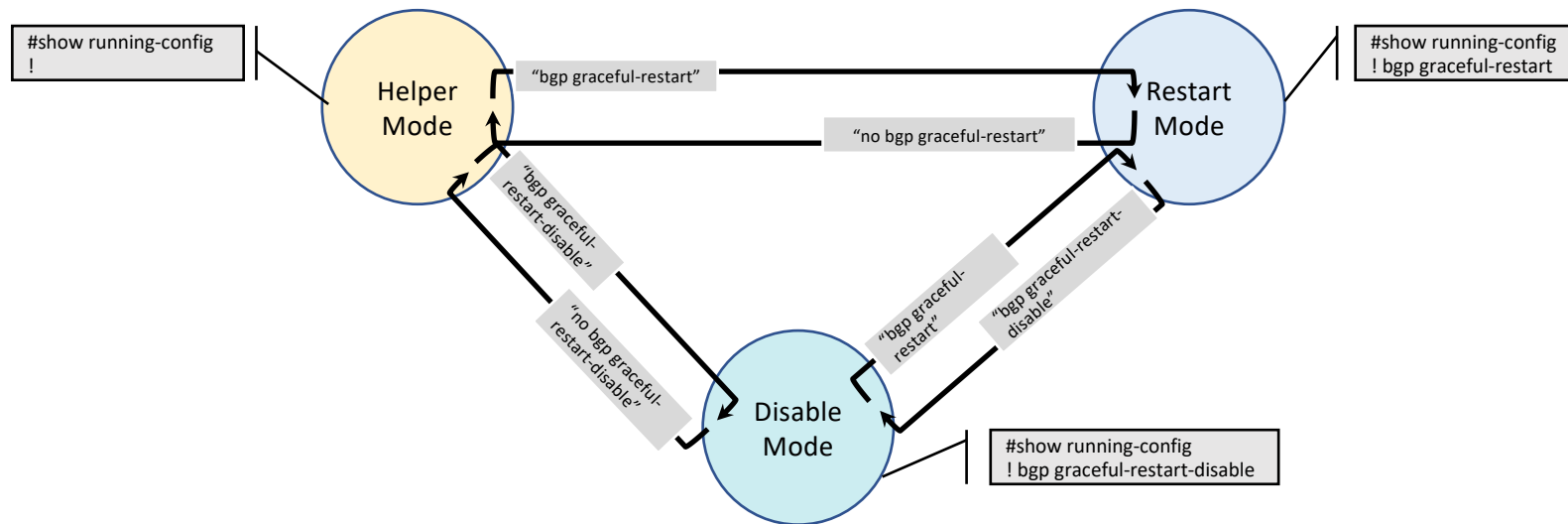
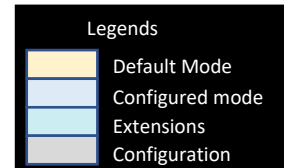
Global Commands			
Code	CLI Command	GR state of system	Running Config
G0	None	Helper Mode	None
G1	bgp graceful-restart	Restarting Mode	bgp graceful-restart
G2	no bgp graceful-restart	Helper Mode	None

Legends	
	Default Mode
	Configured mode
	Configuration



Global CLI Modifications

Global Commands			
Code	CLI Command	GR state of system	Running Config
G0	None	Helper Mode	None
G1	bgp graceful-restart	Restarting Mode	bgp graceful-restart
G2	no bgp graceful-restart	Helper Mode	None
G3	bgp graceful-restart-disable	Disable Mode	bgp graceful-restart-disable
G4	no bgp graceful-restart-disable	Helper Mode	None



Peer CLI Modifications

Peer Commands			
Code	CLI Command	GR state of system	Running Config
P0	None	Inherit Global Mode	None
P1	neighbor x.x.x.x graceful-restart	Neighbor Restarting Mode	neighbor x.x.x.x graceful-restart
P2	no neighbor x.x.x.x graceful-restart	Inherit Global Mode	None
P3	neighbor x.x.x.x graceful-restart-helper	Neighbor Helper Mode	neighbor x.x.x.x graceful-restart-helper
P4	no neighbor x.x.x.x graceful-restart-helper	Inherit Global Mode	None
P5	neighbor x.x.x.x graceful-restart-disable	Disable Mode	neighbor x.x.x.x graceful-restart-disable
P6	no neighbor x.x.x.x graceful-restart-disable	Inherit Global Mode	None

