

Graceful BGP session shutdown

draft-ietf-grow-bgp-gshut-04

Pierre Francois, IMDEA
Bruno Decraene, Orange
Cristel Pelsser, IJ
Keyur Patel, Cisco
Clarence Filsfils, Cisco

BGP graceful shutdown

- For the newcomers:
 - Shutting down an eBGP link with no packet loss
 - Cases where data-plane is impacted, hence
 - You need to reroute before shutting it down
 - Informative: procedures to be applied by an operator
 - A reserved community to not have as many values as neighboring ASes
 - Vendors can help: we explain how
- Shipped

Update since -03

- Editorial fixes in anticipation of last call
- Router g-shut:
 - You SHOULD g-shut all the eBGP sessions
- *“Why hasn’t this thing been last called for ages?”*

Next steps

- g-shut depends on draft-ietf-idr-reserved-extended-communities
- draft-ietf-idr-reserved-extended-communities depends on draft-ietf-idr-as4octet-extcomm-generic-subtype.
Awaits for two implementations