

Graceful BGP session shutdown

draft-ietf-grow-bgp-gshut-09

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Goal

- Graceful shutdown of EBGP sessions/ASBR router
 - to reduce/remove customers' impact during maintenance operations
 - to ease scheduling of maintenance operation (thanks to limited impact)
- A la make before break... in both ASes/traffic directions
 - Initiate BGP path exploration to search for the backup path, before the session shutdown
 - Keep (using) the nominal path in the meantime
 - When found, update the FIB "in-place"

Status update

- -03 -07: 5 years long stale period
 - “to explore strange new worlds”
 - waiting for a dependency on a draft
 - draft-ietf-idr-reserved-extended-communities
 - / draft-ietf-idr-as4octet-extcomm-generic-subtype
 - to get a non-transitive well-known BGP community

- -07: resurrection (June 2017)
 - “Beam me up Scotty”
 - removal of the non-transitive community

Status update -08 & -09

- Multiple reviews and comments on the GROW WG
 - thanks.
- Two revisions published, main updates:
 - Multiple editorial changes.
 - BGP Community not removed anymore.
 - LOCAL_PREF now also changed on the ASBR itself.
 - non-normative appendix with configuration examples
 - thanks Job.
 - send text to add your (favorite) implementation

Asking for Working Group Last Call

- Long history in the GROW WG
 - multiple lives ;-)
- Two implementations
- Deployed in some ASes
- Would like to ask for Working Group Last Call.