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.