

TLV support for BMP Route Monitoring and Peer Down Messages

`draft-ietf-grow-bmp-tlv`

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IETF GROW WG

draft-ietf-grow-bmp-tlv



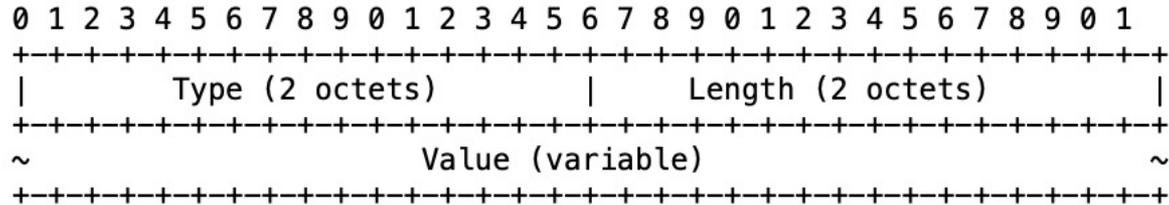
- Problem statement:
 - Not all BMP message types support TLVs
- Ideas in the draft:
 - Support TLVs in Route Monitoring
 - Support TLVs in Peer Down
 - Bump version for backwards compatibility

draft-ietf-grow-bmp-tlv-05

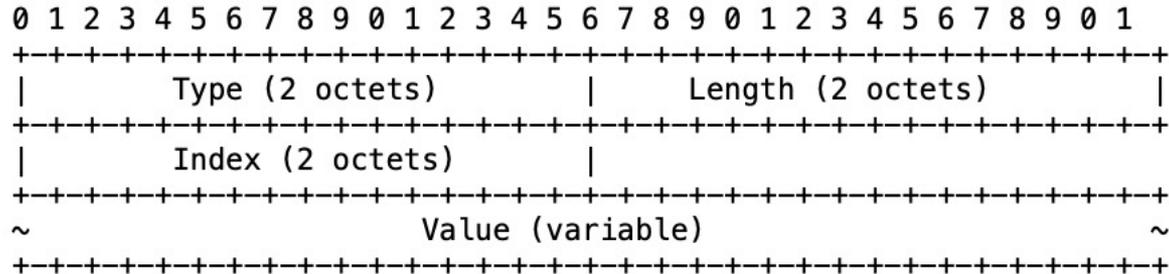
- Submitted earlier today 🧐
- But no drama:
 - Processed comment from Jeff Haas: indexed TLVs apply only to Route Monitoring (RM) messages (thanks Jeff!)
 - Henk Smit asked to be removed from authors

Recap: generic (1) vs indexed (2) TLVs

(1)



(2)



draft-ietf-grow-bmp-tlv-06

- Route Monitoring may contain both generic and indexed TLVs:
 - Auto-parsing is broken
 - Let's try to fix it
- Options:
 - Only indexed TLVs:
 - index == 0 does apply to the whole BGP message
 - Index >= 1 does apply to a specific NLRI
 - Carve an “Index flag” in the TLV Type field:
 - Reminder: E-bit flag in `draft-lucente-grow-bmp-tlv-ebit`