

TLV support for BMP Route Monitoring and Peer Down Messages

`draft-ietf-grow-bmp-tlv`

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IETF GROW WG

draft-lucente-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

Since IETF 106

- -03 and -04 versions
- Per-NLRI TLVs:
 - -04 (current): indexed TLVs
 - -03: we got distracted by TLV containers; removed from -04
- Operational Considerations section
- Minor editorial changes

Support for Enterprise-specific TLVs in the BGP Monitoring Protocol

`draft-lucente-grow-bmp-tlv-ebit`

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Problem statement

“Vendors need the ability to define proprietary Information Elements, because, for example, they are delivering a pre-standards product, or the Information Element is in some way commercially sensitive”

Status & Next steps

- Open questions:
 - Not much, tbh
- Positive feedback received on the mailing-list:
 - Actual feedback to be processed
 - Shall we go for WG adoption?

`exit(0)`

Support for Enterprise-specific TLVs in the BGP Monitoring Protocol

Backup Slides

Introduction

- PEN => IANA-assigned Private Enterprise Number
- Goal: By using a PEN in a TLV we can make it enterprise-specific
- Idea borrowed by IPFIX

Enterprise-specific TLVs encoding

