draft-cppy-grow-bmp-path-marking-tlv-00

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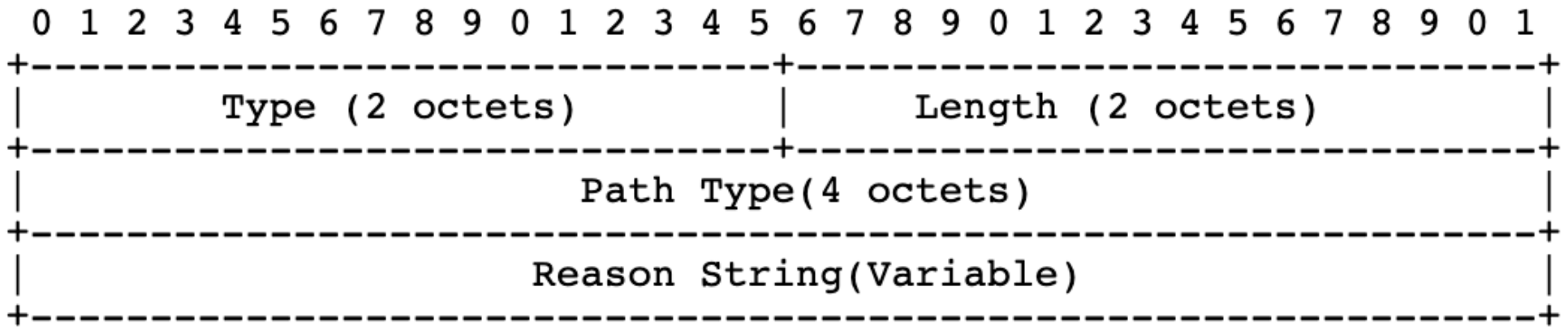
Introduction

- Goal: Communicate state of BGP paths in the local-RIB
- Uses the TLV mechanism described in draft-lucente-bmp-tlv-00
- Follow-up on draft-bgp-path-marking-00 (IDR, 2013):
  - Back then BMP was not mature and we had to abuse BGP for monitoring
  - BMP TLVs better suited to convey implementation specific data

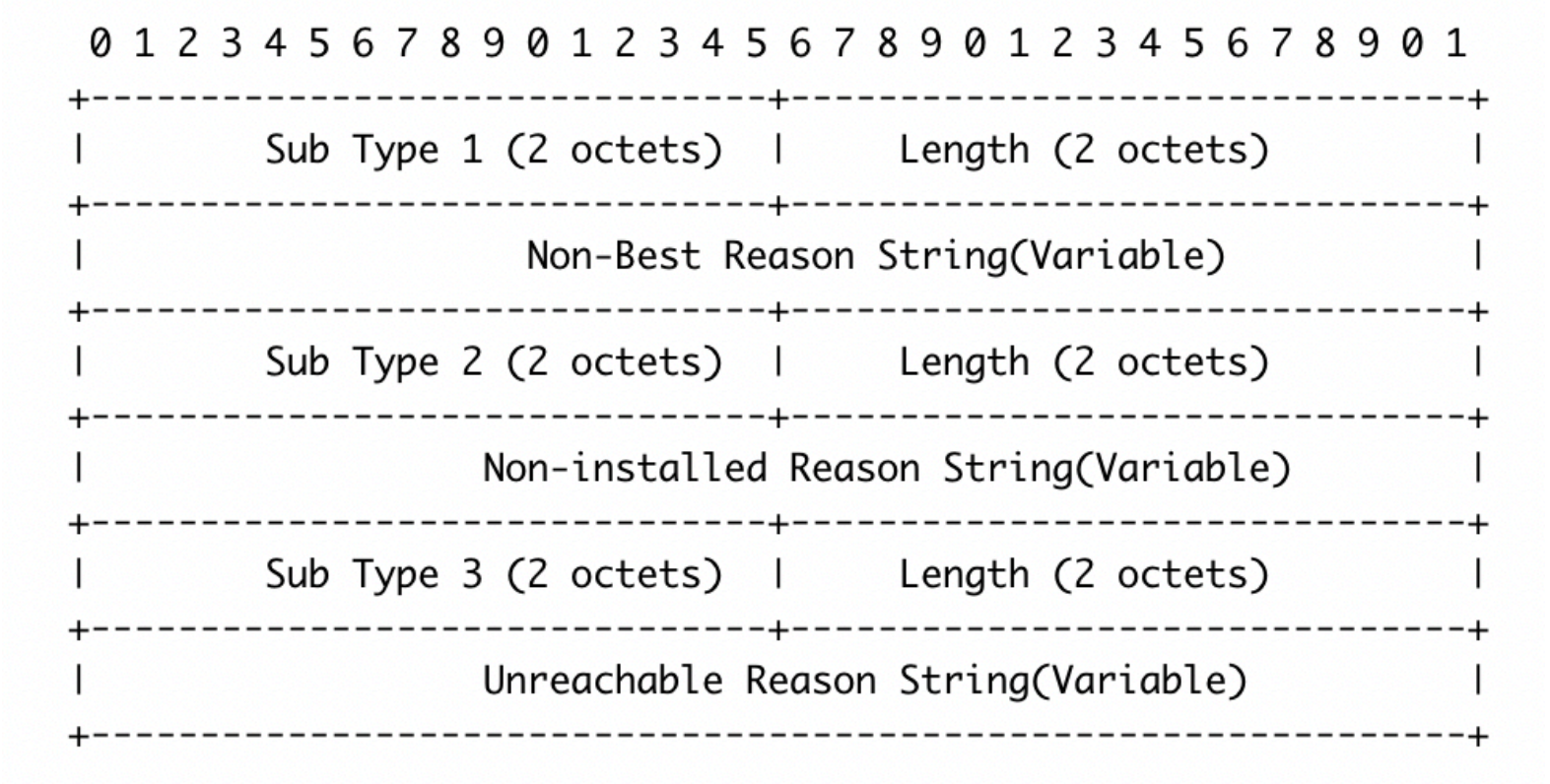
Path marking TLV



Types (bitfield)

Value	Path type
0x0000	Unknown
0x0001	Best path
0x0002	Best external path
0x0004	Primary path
0x0008	Backup path
0x0010	Non-installed path
0x0020	Unreachable next-hop

Reason string



Open questions

- Relationship with draft-ietf-grow-bmp-local-rib:
  - For Unreachable Next-Hop type we would need to transmit all paths (i.e. also invalids)