BMP Loc-RIB Peer Address

draft-ietf-grow-bmp-loc-peer-01

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Diff

Comments received

- MED review

Changes to the draft

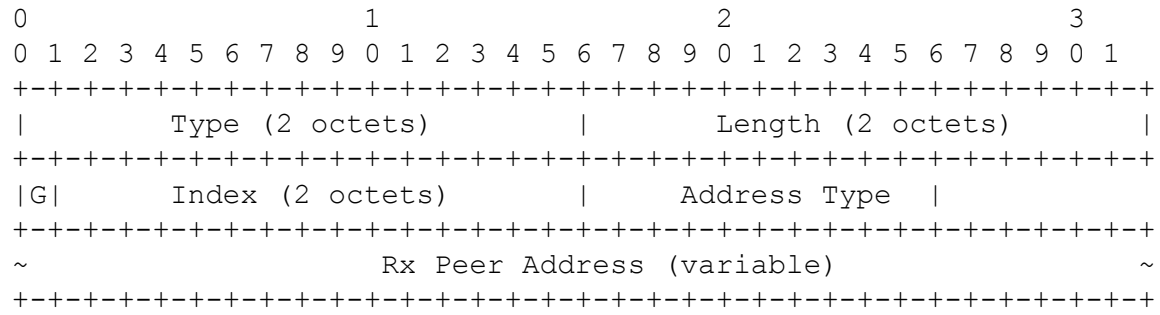
- Editorial changes

New discussion

- Rx Peer Address TLV

Rx Peer Address TLV

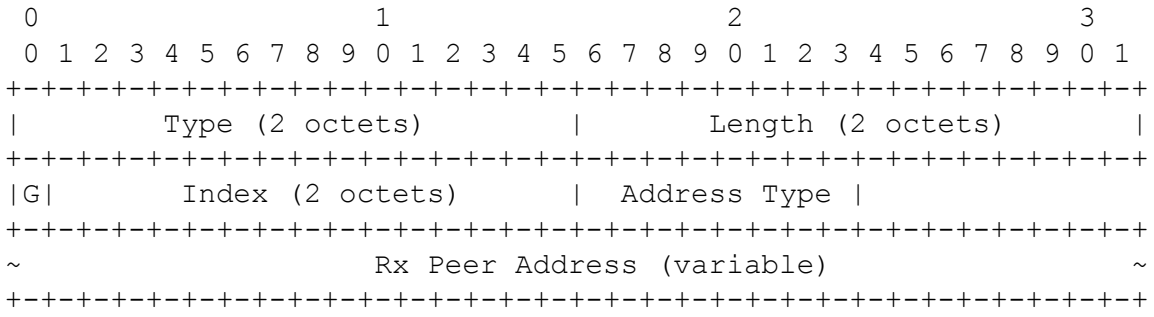
“Rx Peer Address TLV” is a TLV that carries the address of the BGP Peer that we first received the route from.




```
*  Type = 1: Self-Originated address type
*  Type = 2: IPv4 address type
*  Type = 3: Global Link IPv6 address type
*  Type = 4: IPv6 + Interface ID address type
*  Type = 5: IPv6 + Interface Name address type
```

Rx Peer Address TLV

- Changes proposed by MED
  - Use IPv6 mapping for IPv4 addresses [rfc4921]
  - Use Zone ID [rfc4007] instead of Interface Name and Interface ID
    - <IPv6 (16 bytes)><Zone_ID (String)>
    - Full string <IPv6 % Zone_ID> [rfc6874]
  - Remove “Address Type” field



IPv6 mapped IPv4 addresses

Pros	Cons
• One less IP type	• Legacy code? • More work for exporter and collector • More bytes for the same information

Replace Interface Name/ID with Zone ID

Pros	Cons
● Encompasses both Name and ID ● Already standardized	● If IPv6 is encoded as string ⇒ bigger

Question

- Can Zone ID be used to correlate BMP with traffic from IPFIX?

Using the length field instead of the “Address Type” field

Pros	Cons
• One less byte and IANA registry	• Less future proofing • Less explicit, more logic

Thank you!

Comments?