Export BGP community in formation in IPFIX

draft-ietf-opsawg-ipfix-bgp-community-05.txt

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Current Status

- Passed the WGLC

- Solved all the comments and suggestions in this version
  - From the experts
  - From the operators
  - From the early review of the related WGs

Comment 1: the purpose of this doc

- Report the BGP community information in IPFIX
  - Facilitate to accumulate network traffic in the BGP community granularity
  - Represents the traffic generated from or destined to the different kinds of users, services, or different geographical regions
  - Useful for traffic analysis and optimization
  - Read Section 3 for the detailed explanation
- NOT define any new BGP community attribute
- NOT used to replace the BMP protocol

Comment 2: the processing of the exporter

- Receive the IPFIX template
- Obtain the corresponding BGP community information
- Encode it in the introduced IEs
- Report it together with other flow information

Comment 3: the processing of the collector

- Receive the data set
- Obtain the BGP community information encoded in the IEs introduced in this doc
  - Ignore the IEs when their sizes are not correct
- Accumulate the traffic at the BGP community granularity
- Report the analysis result

Next steps

- Further comments are appreciated

- To be published?

Thanks