Export BGP community information 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