

# Log More Routing Events in the BGP Monitoring Protocol

draft-geng-grow-bmp-rel-enhancement-00

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# Log some routing events for BGP Flowspec

- Log Action TLV is defined in [I-D.ietf-grow-bmp-rel], the first byte defines the nature of the logging, depending on the code point additional data may follow. The following code points are defined for BGP Flowspec in this document:
  - ◆ **TBD1 = Redirect-to-VRF-Fail.** The BGP flowspec redirect to VRF action is defined in [RFC8955]. It is used to redirect the specified traffic into a VRF instance that matched the flow specification's NLRI. The VRF instance may fail due to various reasons. Data contains a UTF-8 string whose value can be organized freely by an implementation.
  - ◆ **TBD2 = Redirect-to-Nexthop-Fail.** The BGP flowspec redirect to IP action is defined in [I-D.ietf-idr-flowspec-redirect-ip]. The destination IPv4 address or destination IPv6 address may fail for a variety of reasons. Data contains a UTF-8 string whose value can be organized freely by an implementation.
  - ◆ **TBD3 = Redirect-to-SR-Policy-Fail.** Data contains a UTF-8 string whose value can be organized freely by an implementation and is meant to give additional information about why the log was made.
  - ◆ **TBD4 = Flowspec Validation Fail.** The BGP Flowspec Validation Procedure is defined in [RFC8955]. Data contains a UTF-8 string whose value can be organized freely by an implementation and is meant to give additional information about why the log was made.

# Log some routing events for BGP SR Policies

- Log Action TLV is defined in [I-D.ietf-grow-bmp-rel], the first byte defines the nature of the logging, depending on the code point additional data may follow. the following code points are defined for BGP SR Policies in this document:
  - ◆ **TBD5 = Invalid Candidate Path.** Data contains a UTF-8 string whose value can be organized freely by an implementation and is meant to give additional information about why the log was made.

**Thanks!**