

Extended Length Message Support for IPFIX

draft-li-opsawg-ipfix-extended-message-00.txt

Zhenqiang Li

China Mobile

Paul Aitken

Brocade

IETF99@Prague

Main content

- Updates the IPFIX specification by extending the IPFIX Message length from 16 bits to 32 bits to accommodate longer information.
 - many small IEs where each IE is 8-bits or 16-bits long.
 - at least one IE which is longer than 65535 octets.

How?

- The Length fields in the IPFIX Message Header, Set Header and variable-length IE are extended from 16 bits to 32 bits.

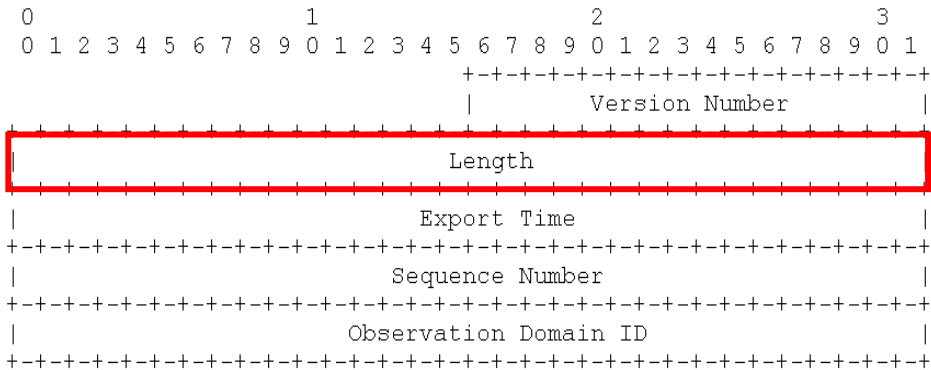


Figure 1: IPFIX Extended Length Message Header Format

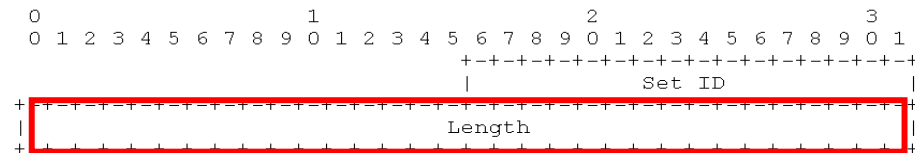


Figure 2: Extended Length Set Header Format

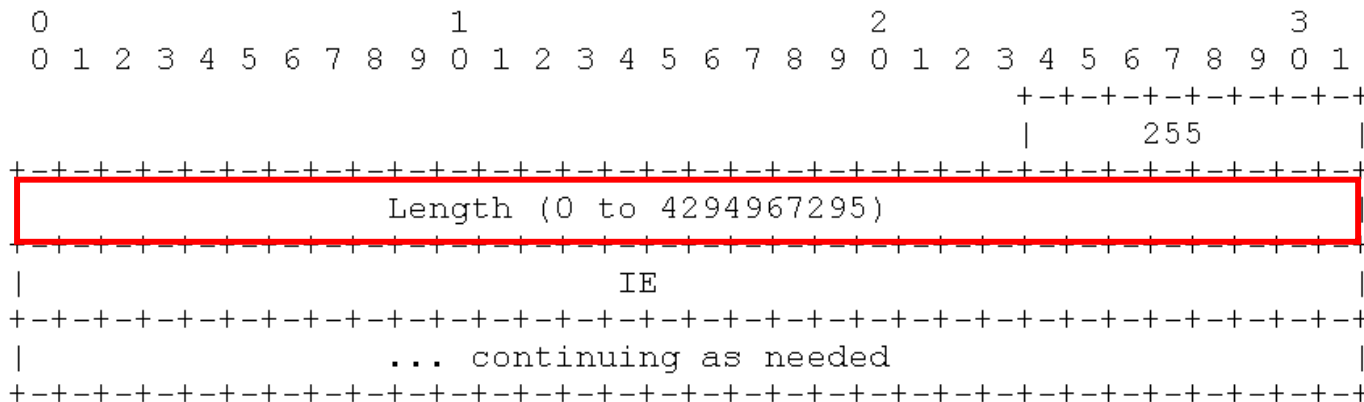


Figure 3: Extended Variable-Length IE

IANA Considerations

- For backwards compatibility, we need a new version of IPFIX to support the 32-bit Message length.
- IANA is solicited to assign the new version number, 11 is suggested.

Next steps

- Read and comment
- Adopted by the WG?

Thanks