IE-DOCTORS

Guidelines for Authors and Reviewers of IPFIX Information Elements
draft-ietf-ipfix-ie-doctors-03

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Status

- New -03 revision after Paris incorporating review comments
- IETF LC completed 17 July
- GEN-ART and SECDIR reviews received
- Many last-minute IETF LC comments from Paul Aitken, to be incorporated
Open issue:
ESIE Reference in Registry

• Two options for transitioning handling Enterprise-Specific IEs to IANA

• store reference in the IANA registry (rev. -03)

• define Options Template for IE equivalence, export inline as in RFC 5610 (suggestion from Paul Aitken)

• See http://www.ietf.org/mail-archive/web/ipfix/current/msg06462.html
Open issue:
ESIE Reference in Registry

<table>
<thead>
<tr>
<th>Pros</th>
<th>Cons</th>
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<tbody>
<tr>
<td>allows Exporters to define equivalences they know about</td>
<td>removal of a column from IANA registry during IETF LC</td>
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<tr>
<td>doesn’t require Collectors to keep up with equivalences from IANA</td>
<td>needs a new draft to define Options Template</td>
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Open Issue: Deprecation

• RFC5102(-bis) specifies “deprecated” and “obsolete” IE statuses, but does not define a policy for using them.

• IE-DOCTORS specifies:
  • IEs deprecated after being replaced by a better representation for the same information and SHOULD NOT be used.
  • IEs obsoleted after being deprecated for [an long period of time] and MUST NOT be used.

• Is this realistic?
Open Issue: Deprecation

• The problem: *updating the protocol does not update the installed base*

  • Collectors will still have to support deprecated/obsolete IEs from old Exporters

  • Exporters may be configurable to send deprecated/obsolete IEs to old Collectors.

• Given this, do we need two status points for “dead” or does one suffice?

• See [http://www.ietf.org/mail-archive/web/ipfix/current/msg06465.html](http://www.ietf.org/mail-archive/web/ipfix/current/msg06465.html)
Next steps

- Answer ESIE reference question
- Answer deprecation question
- Apply outstanding comments from reviews to new -04 revision
- Request publication shortly after Vancouver