RFC5815bis
An Update of the IPFIX MIB
draft-ietf-ipfix-rfc5815bis-00.txt

Managed Object for IP Flow Export
Changes in the IANA Registrations

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Problem Statement

- IANA Registration in RFC5815 not appropriate
  - Currently registering the whole IPFIX SELECTOR MIB
  - This is too much
  - Discovered this while writing the PSAMP MIB
  - Analysis showed that an update of RFC5815 is needed
Solution: Change IANA Registration Schema

- Register the top level OIDs of ipfixSelectorFunctions
  mib-2.ipfixSelectorMIB.ipfixSelectorObjects.ipfixSelectorFunctions
  (1.3.6.1.2.1.194.1.1)

- Initial Value:
  Sub-registry Name: IPFIX-SELECTOR-MIB Functions
  Reference: [ThisRFC] <- the new RFC5815bis
  Registration Procedures: Expert Review [RFC5226]

Prefix: mib-2.ipfixSelectorMIB.ipfixSelectorObjects.ipfixSelectorFunctions
(1.3.6.1.2.1.194.1.1)

<table>
<thead>
<tr>
<th>Decimal</th>
<th>Name</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ipfixFuncSelectAll</td>
<td>Select everything</td>
<td>[ThisRFC]</td>
</tr>
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Solution: Change IANA Registration Schema

- Substitute current registry with sub-registry in the SMI Number Registry
  http://www.iana.org/assignments/smi-numbers
- “The IPFIX SELECTOR MIB registry as defined in [RFC5815] Section 10 will be removed by IANA as its use is discontinued with this document.”
Next Step

- Need to get the changes approved soon
  - PSAMP MIB depends on that
  - PSAMP MIB: new Registration Schema already included
  - PSAMP CONFIGURATION (RFC-editor) depends on PSAMP-MIB
- Need WG and Area Director support for changes
  - Juergen approved to start the WG last call now.
- Deletion of now unneeded IPFIX-SELECTOR-MIB Registry by IANA process
The End

Thank you for your attention