

IP Flow Information eXport (IPFIX)

58th IETF – Minneapolis, 10 November 2003

- web site: **<http://ipfix.doit.wisc.edu>**
- mailing list:
http://ipfix.doit.wisc.edu/#Mailing_List
- meeting slides available
at: **<http://ipfix.doit.wisc.edu/IETF58/>**

- Agenda was sent to IPFIX list and
agenda@ietf.org: **3 Nov 03**

IPFIX WG Meeting, 58th IETF

- Administrivia:
 - scribe and jabber
 - attendance sheets
 - slides: **<http://ipfix.doit.wisc.edu/IETF58/>**
- Agenda Review: (5 mins)
- Requirements draft, Juergen Quittek (10 mins)
- Other IPFIX Drafts ...

IPFIX WG Meeting, 58th IETF

- IPFIX drafts: (45 minutes total)
 - draft-ietf-ipfix-arch-02.txt (10 mins)
 - draft-ietf-ipfix-info-01.txt (15 mins)
 - draft-ietf-ipfix-protocol-01.txt (15 mins)
 - draft-ietf-ipfix-as-01.txt (5 mins)
- Short Presentations: (30 mins)
 - IPFIX Vendor Specific Information Elements,
draft-bryant-ipfix-vendor-ie-00.txt
 - Flow selection support in IPFIX,
draft-molina-flow-selection-00.txt

IPFIX WG Meeting, 58th IETF

- Discussion: Current Issues (45 mins)
 - Nevil's short list
 - IPFIX transport
- Review WG Milestones
 - Requirements and evaluation draft submitted now
 - Others submitted to IESG asap, aim for May 04

Current Issues (Nevil's short list)

- Counters vs Integers (Info Model)
 - Counters allow for lost data from exporter
 - Integers don't require collector to keep flow stats
 - Consensus is for *integers only*
- Timestamps (Info Model, Architecture?)
 - Consensus is for *UTC-based, microsecond precision, Unix format* (sec, usec)

Current Issues (2)

- Variable-size Objects (Info Model)
 - Do we have any which are variable-length?
 - If so, we need to add them to info model
- Variable-precision Objects (Info Model, Protocol)
 - For integer objects, need a way to encode them to minimise data size in IPFIX data stream
 - Proposal: *declare max precision* in info model, use *size in IPFIX template* to determine encoding in protocol

Current Issues (3)

- Default Transport Protocol for IPFIX (Protocol)
 - Mandatory to implement (ensures inter-operability)
 - Not trying to pick a single transport (protocol draft has sections for SCTP and TCP)
 - Want to select transport using sound technical arguments
 - Extensive discussion on IPFIX list, rough consensus for TCP