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
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• 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