IPFIX Implementation Guidelines

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STATUS

- □ In Working Group Last Call until 17th March
- -03 will be published after IETF68
- All comments received during WG Last Call have been addressed

Clarifications, language improvements, corrections, etc.

Already in -02...

...and minimally modified: **SECURITY GUIDELINES**

- Input from 3rd Interop event
- Implementing IPFIX over TLS over TCP
- Implementing IPFIX over DTLS over UDP
- Implementing IPFIX over DTLS over SCTP

Changes in -03

- Improuved SCTP section
- Guidelines on how to use
 - Streams
 - Partial reliability
 - In-order delivery
- Clarifications
 - Unreliable = partially reliable
 - partially reliable stream → partially reliable delivery

Implementation-specific information

Moved to

http://ants.fokus.fraunhofer.de/ipfix/interop06/results.html:

- Existing open-source implementations
- Experience with specific software versions, platforms, etc.
- Programming tricks & hacks
- Guidelines on how to set up a VPN for remote testing
- 3rd Interoperability event results

Conclusions

- Last Call is closed
 - Thanks to all who sent comments!

- □ Feedback still welcome
- -03 will be out soon

"unreliable" SCTP

- IPFIX-ARCH secton 8.1"Export with reliable control connection"
 - SCTP: supports reliable and unreliable transport
- □ IPFIX-PROTO section 10.2.2 "Reliability"
 - The SCTP transport protocol is by default reliable, but has the capability to operate in unreliable and partially reliable modes
- □ IPFIX-PROTO -- Section 10.2.4.3 "Stream"
 - Depending on the application requirements the EP selects the mode (unreliable, partially reliable or fully reliable)...