Configuration Data Model for IPFIX and PSAMP

draft-muenz-ipfix-configuration-01.txt

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Overview

- Configuration of IPFIX and/or PSAMP compliant systems
  - Metering, Exporting, Collecting Processes
  - also Observation Point for software implementations

Goal:
- device-/implementation-/vendor-independent representation of configuration data
- easy to implement
- easy to be transferred to/from existing configuration data formats/CLI

Proposed solution:
- flexible data model based on XML
- implementation/device is not forced to support all configuration possibilities
  - actual configuration depends on device capabilities
- extensibility
Changes in -01

- New, more appropriate title:
  - Configuration of IPFIX and PSAMP

- Most parts of the text rewritten:
  - based on comments and feedback received
  - (hopefully) improved comprehensibility and readability
  - inline with other IPFIX/PSAMP documents

- Small changes in the XML Schema:
  - Element names like in IPFIX-EXPORTER-MIB, PSAMP-MIB and IPFIX Information Model
Example Implementation

- Configuration file format of open-source IPFIX/PSAMP probe VERMONT

- Monitor Management System using Netconf Protocol

- More Information:
  - [http://www.history-project.net/](http://www.history-project.net/)
  - [muenz@informatik.uni-tuebingen.de](mailto:muenz@informatik.uni-tuebingen.de)
Future Work on IPFIX/PSAMP Configuration

...requires your comments and feedback!

Thank you.