Configuration Data Model for IPFIX and PSAMP

draft-muenz-ipfix-configuration-02.txt

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Purpose of the draft

- **XML based configuration data model** for IPFIX and PSAMP compliant monitoring devices
- Current focus on exporters and collectors, but also applicable to concentrators, mediators etc.
- Includes the configuration of the Metering Process, for both IPFIX and PSAMP [PSAMP-TECH]
Changes in -02

- **New structuring** of the configuration data based on:
  - abstract views of *IPFIX architecture* and *PSAMP framework*
  - IPFIX and PSAMP MIB modules
  - practical implementation experience and existing configuration schemes
    - Vermont (A Versatile Monitoring Toolkit for IPFIX and PSAMP)
      - modular software implementation of IPFIX/PSAMP, supporting rule-based flow aggregation
      - XML based configuration file format, remote configuration with Netconf
    - Flexible NetFlow building blocks
      - CLI based
  - Data model specified and explained using **UML class diagrams**
  - Various small changes in the set of configurable parameters
The data model configures instances of Selection Processes, Caches, and Exporting Processes which are combined and linked to an Observation Point by associations.

allows using a Selection Process instance at different Observation Points, an Exporting Process instance with multiple Caches etc.
Call for Comments

► Please **read the draft and give feedback** to the authors

► If you are an implementer:
  - check if the configuration data model is suitable for your IPFIX/PSAMP implementation

► **Participate in the discussion** about the open issues (see Section 1)

► Shall XML based configuration become a new WG charter item?