
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

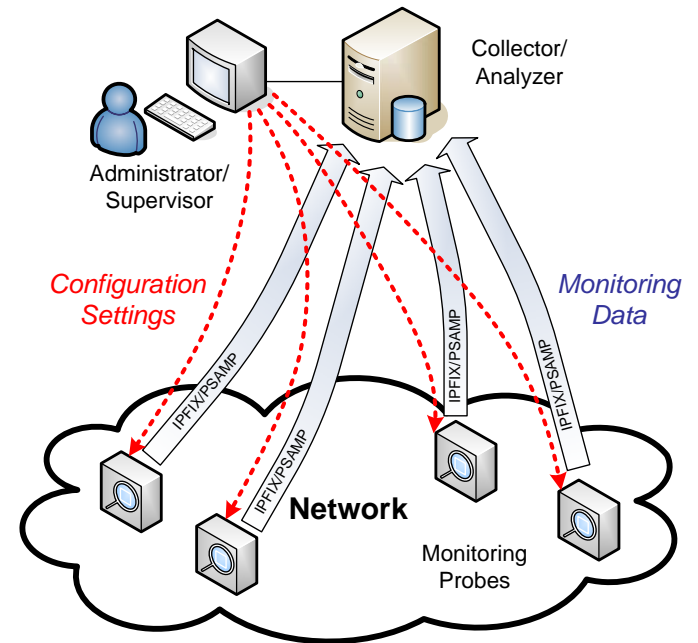
- ▶ New, more appropriate title:
 - Configuration of IPFIX and PSAMP

- ▶ 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/>
 - muenz@informatik.uni-tuebingen.de



Future Work on IPFIX/PSAMP Configuration

- ▶ ...requires **your comments and feedback!**

Thank you.