Agenda

• Open issues

• Next steps

• Status
IPFIX syntax issue #1 – template properties

- name, elementId, dataType, status, enterpriseId, dataTypeSemantics, units, range, description, reference, revision, date

- Do we need an additional field to capture flags or other substructures rather than capturing it in the description field?

- Suggestion to extend status from "current"/"deprecated" to "added in version X"/"deprecated in version Y"?
  - revision – the revision number of an IE. 0 when defined. +1 for each revision.
  - date – date the IE was added into the registry
IPFIX syntax issue #2 - naming conventions

• Should we leverage the following IPFIX naming conventions?
  1. Names SHOULD be descriptive
  2. Names MUST be unique within the SACM registry. Enterprise-specific names SHOULD be prefixed with a vendor name.
  3. Names MUST start with lowercase letters
  4. Composed names MUST use capital letters for the first letter of each part
     • E.g. sourceMacAddress
     • Other options (SourceMacAddress, source-mac-address, source_mac_address, etc.)

• Feedback in favor of 1 - 3. Feedback against 4. What do others think?
IPFIX issue #3 - datatypes

• Adopted the existing IPFIX non-list datatypes
  • unsigned (8, 16, 32, 64), signed (8, 16, 32, 64), float (32, 64), boolean
  • macAddress, ipv4Address, ipv6Address
  • octetArray
  • string
  • dateTime (seconds, milliseconds, microseconds, nanoseconds)

• What other datatypes do we need to create and add?
  • Version types (simple, rpm, Cisco train), URI, array, map

• Do we need IPFIX datatype semantics (quantity, identifier, flags, etc.)?
IM/DM requirements issue #1 – DM-001

• DM-001 Element Association: The data model MUST contain a data model element for each information model element...

• Does the use of SWID via SWID M&A violate this requirement?

• Do we need to distinguish between DMs for endpoint information (data plane) and SACM Components (management plane)?
IM/DM requirements issue #2 – DM-002

• DM-002 Data Model Structure: The data model can be structured either as one single module or separated into modules and sub-modules that allow for references between them. The data model structure MAY reflect structure in the information model, but, does not need to...

• Split DM-002 into two requirements:
  1. DM MAY be a single module or separated into modules and sub-modules
  2. DM structure MUST reflect the structure in the IM
Next steps

• Finish the IPFIX syntax updates

• Convert I-D IM IEs to the IPFIX syntax and pull into the IM

• Update Requirements I-D based on WG feedback

• Review Section 8 for any clean-up opportunities

• Further define Guidance in the IM
Status

• Clarified that the SACM Statement and Content-Element constructs are only conceptual and do not need to be implemented by a DM

• Addressed some of the issues with the IPFIX syntax

• Performed various clean up in Section 6 and Section 7

• Removed appendices that were not referenced in the body of the I-D