A YANG Data Model for the Alternate Marking Method

draft-gfz-ippm-alt-mark-yang-01

Prague, Nov 2023, IETF 118

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Alternate-Marking YANG Data Model

The AltMark YANG model is shown below (same structure of per draft-ietf-ippm-ioam-yang).

```
module: ietf-alt-mark
  +--ro altmark-info
    |   +--ro timestamp-type?
    |   +--ro available-interface* [if-name]
    |     +--ro if-name if:interface-ref
  +--rw altmark-profiles
    +--rw admin-config
      |   +--rw enabled? boolean
      +--rw altmark-profile [profile-name]
        +--rw profile-name string
        +--rw filter
          |   +--rw filter-type? altmark-filter-type
          |   +--rw ace-name? "/acl/acls/aclaces/ace/name"
          |       +--rw protocol-type? altmark-protocol-type
          |       +--rw node-action altmark-node-action
          |       +--rw period? uint64
          +--rw flow-mon-id? uint32
          +--rw measurement-mode? altmark-measurement-mode
          +--rw enable-loss-measurement? boolean
          +--rw enable-delay-measurement? Boolean
```

The "altmark-profile" contains the detailed information for the AltMark data:
- **profile-name**: it is the unique identifier for each AltMark profile
- **filter**: it is used to identify a flow, where the AltMark data can be applied
- **protocol-type**: it is used to indicate the protocol for the AltMark application
- **node-action**: indicates the operation applied to the flow (e.g. marking, read, or unmarking).
- **period**: it indicates the AltMark period.
- **flow-mon-id**: it is used to identify the monitored flow and to correlate the exported data.
- **measurement-mode**: it specifies the measurement mode, hop-by-hop or end-to-end.
- **enable-loss-measurement**: if true, it enables loss measurements.
- **enable-delay-measurement**: if true, it enables delay measurements.
Thank You

Comments are welcome!