IETF 56th meeting in San Francisco March 2003

IPPM Reporting Mib
ietf-ippm-reporting-mib-02.txt

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Agenda

- Simplification and Clarification

- Changes to textual conventions

- Changes to tables

- Read create tables

- Explanation of table relationships

- Open Issues

Simplification and Clarification

- Make use of MIB object indentation
- Corrected TYPO errors
- Ran SMILINT with –s –16

Name length exceeded 32 chars:

       Prefix:

              + ippmAggregatedMeasure -> ippmAggrMeasure;

              + IppmSystemSynchronizationDescription

               -> ippmSystemSynchronizationDescr;

              + IppmReportSetupEventsDurationThreshold

               -> ippmReportSetupDurationThreshold.

+ ippmNotifications identified under ippm

+ TC OwnerString replaced with IppmOwnerString to fix a warning of the key length;

+ Gain 0 error and warning !

Changes to Textual Conventions

- Time unit textual convention:

   Enumerations listed in description clauses (e.g. ms, us, ns may not be universally understood so explicitly named as millisecond, microsecond, nanosecond)

- Clarify ClearHistory and ClearReport definition:

   OnReportDeliveryClearHistory and OnReportDeliveryClearReport options

- TypeP redefined as a SnmpAdminString instead of a raw OCTET STRING   e.g: '08000080000000011020000'H -> "ip.ipip4".

- TypePaddress Textual convention created:

   Dst and Src value is a display string instead of a raw OCTET STRING. It is the list of parameters of a TypeP.

   e.g:

   Src address TypeP is "ip.ipip4": 128.2.6.7 in 192.168.1.1.

   Src value was '0A04C0A801010480020607'H.

   Src is now "192.168.1.1 128.2.6.7".

Changes to Scalars

- Added scalars ippmOnReportFullAction and ippmOnHistoryFullAction:

  To take action when the tables are full. A scalar, which is read-write and indicates the action to be taken when the log is full. Options are: wrap, suspend, resume. Same was done for report group.

Changes to Tables

- PointOfMeasure:

  Put in ippmPointOfMeasureMgmtAddrType-> InetAddressType with
  ippmPointOfMeasureMgmtAddress-> InetAddress.
  Changed point of measure address to be INET also.

  Motive for change: Address type not compliant

- Took out default PointofMeasure address:

  Added OwnersIpAddressType to be in pair with OwnersIpAddress

  Motive for change: Default address not realistic scenario

- Added ippmSynchronizationResolution in the ippmSynchronizationTable:

  It indicates the new time resolution (Henk request)

Changes to Tables (con't)

- ippmHistoryIndex added in history table

  Motive for change: To differentiate result index from test packet order

- ippmReportIndex added in report table

  Motive for change: To differentiate result index from test packet order

- ippmAggregatedMeasureStatus removed

  Motive for change: Status of row managed in measure table

- IppmNetworkMeasureEntry :

  ippmNetworkMeasurePoissonRate added as the average rates of a poisson stream

  Motive for change: Needed for Poisson stream

Notifications & compliances

- Notifications:

   Definition clarified;

   ippmReportTimestamp added to notification

   ippmEventsDurationExceededAlarm, ippmSingletonAlarm,

   ippmCycleOfMeasureReport, ippmCompletedMeasureReport.

- Added an object ippmReportSetupNotification in the report setup.

- Conformance section:

   Added the MODULE-COMPLIANCE macro and the corresponding OBJECT-
   GROUPS instances.

   Added a compliance instances for proxy mode, proxy inter-domain
   mode and probe mode.

Open Issues

- For the TypeP textual convention, is there a need to indicate the number of parameters of the protocol identifier "ip.ipip4.2" or "ip.ipip4" ?

- TypePaddress , is there a potential parameter with spaces inside ?