

# **60th IETF Meeting - August 2004**

## **IPPM Working Group**

**IPPM REPORTING MIB**

**"Do we really need to kill the IPPM MIB ?"**

Emile Stephan

# Context

- Since the last meeting there are discussions outside of the mailing list regarding the lack of interest of the IPPM MIB and regarding the fact that the IPPM MIB item should be dropt (or not) from the IPPM WG charter.

# Agenda

- Lack of interest ?
- Discussion on the framework of the IPPM MIB
- Discussion on the scope of the IPPM MIB
- Future:
  - Need of an AS
  - Need/benefit of a coauthor from a manufacturer ?
  - Change the status to experimental, informational ?
  - Kill the item ?

# Lack of interest ?

- Drafts of MIBs do not generate a lot discussions in the mailing list.
  - Silent majority
- It is the same for the IPPM MIB.
- So the draft of the IPPM MIB can not be kill from this reason.

# IPPM MIB Framework

- No MIB index collision when creating measures
  - On the fly setup
  - Source and sink share the same measures identifiers
  - Permit interdomain usage: just agreed on measure ids
  - virtual MIB: No interaction between users
- Index managed by owners
  - No need of an 3rd party application: may be CLI based
- Serialization of the addresses of End point
  - In text: human readable
  - Not limited to IP level (ex: ip6 tcp http)
- On the fly results filtering
  - Reduce Memory and Bandwidth consumption
  - Keep only results pertinent for SLA

# Discussion on the scope

- Scope of the MIB too narrow ?
  - Add other metrics MOS, RFACTOR... ?
  - Report measure from non intrusive techniques:  
spatial measurement,  
ITU Y1540 ?
- Scope of the MIB too large ?
  - Usage/need to monitor VPN QoS: virtual MIB, avoid index collision ?
  - Usage/need for interdomain measurement: user name space ?

# Needs and Usages

- Are there needs/usages to measure IPPM Metrics ?
- Are there needs of a MIB to report/filter IPPM Metrics ?
- Are there needs for interdomain measurement
- Usage/need to monitor VPN QoS: virtual MIB, avoid index collision ?
- Usage/need for interdomain measurement: user name space ?

# Future

- Need of an Applicability Statement ?
- Need/benefit of a coauthor from a manufacturer ?
- change the status to experimental, informational ?
- kill the item ?



# Change since Version 5

- Document rewritten in xml;
- ippmNetMeasure max access set to read-create:
  - Usage of SNMP to setup/teardown active measure in embedded mode;
  - limited to read-only in proxy compliance module ;