

Passive Performance Metrics Sub-Registry

draft-akhter-ippm-registry-passive-01

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Goals

- Have list of unambiguous useful metrics that can be used by programmatic calls
- Proposal for definition of passive metrics sub-registry
- Accompanying active metric sub-registry which focuses on active metrics (draft-mornuley-ippm-registry-active)
- Child of draft-manyfolks-ippm-metric-registry

Passive Metric Registry Entry Columns

Identifier
Name
Status
Requestor
Revision
Revision Date
Description
Reference Specs
Reference Definition
Fixed Parameters
Reference Implementation
Traffic Filter Criteria
Measurement Timing
Output Types and Data Format
Metric Units
Runtime Parameters and Data Format
Comments and Remarks

Sample Entries in Draft

- Generalized Passive Octet Count Entry
- 5min Passive Egress Octet Count Entry on WAN

Questions

- For passive metrics – representation of selection criteria for traffic can be challenging
 - Framework exists for PSAMP but can it describe traffic to observe?
RFC5477 left property match as TBD
- Locally resolved contexts (eg monitor ‘WAN’ interface...)
- Reference implementation for each registry is very nice thing to have.
How do we make sure this happens?