

A YANG Data Model for Client Signal Performance Monitoring

IETF 108 CCAMP

draft-zheng-ccamp-client-pm-yang-02

Authors:

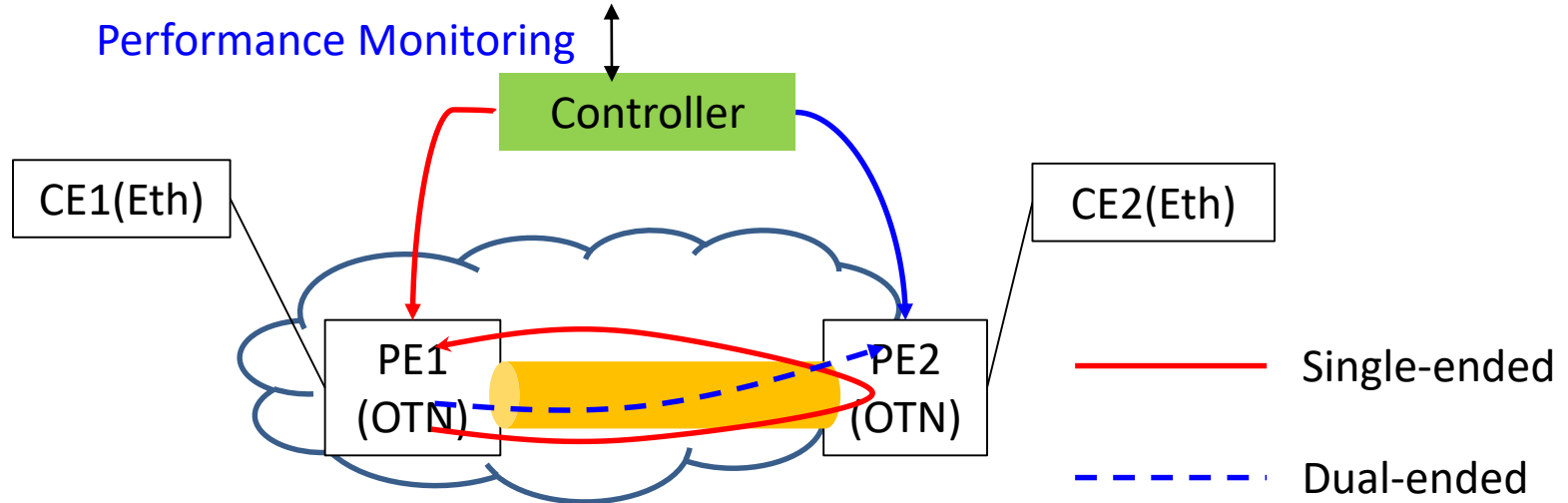
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Model Relationship

- Performance need to be monitored for operation need for the client signal in [draft-ietf-ccamp-client-signal-yang-01](#);
- Potential Parameters to be monitored:
 - Latency, BER, Packet Loss, Bandwidth, Jitter, Byte/Packet Number, Power, etc...



Changes since -01 (in pm module)

- Combined two PM models (Ethernet, transparent) into one;
- Added the measure-method to specify how to do PM;
 - Measure by loopback or measure at ingress;

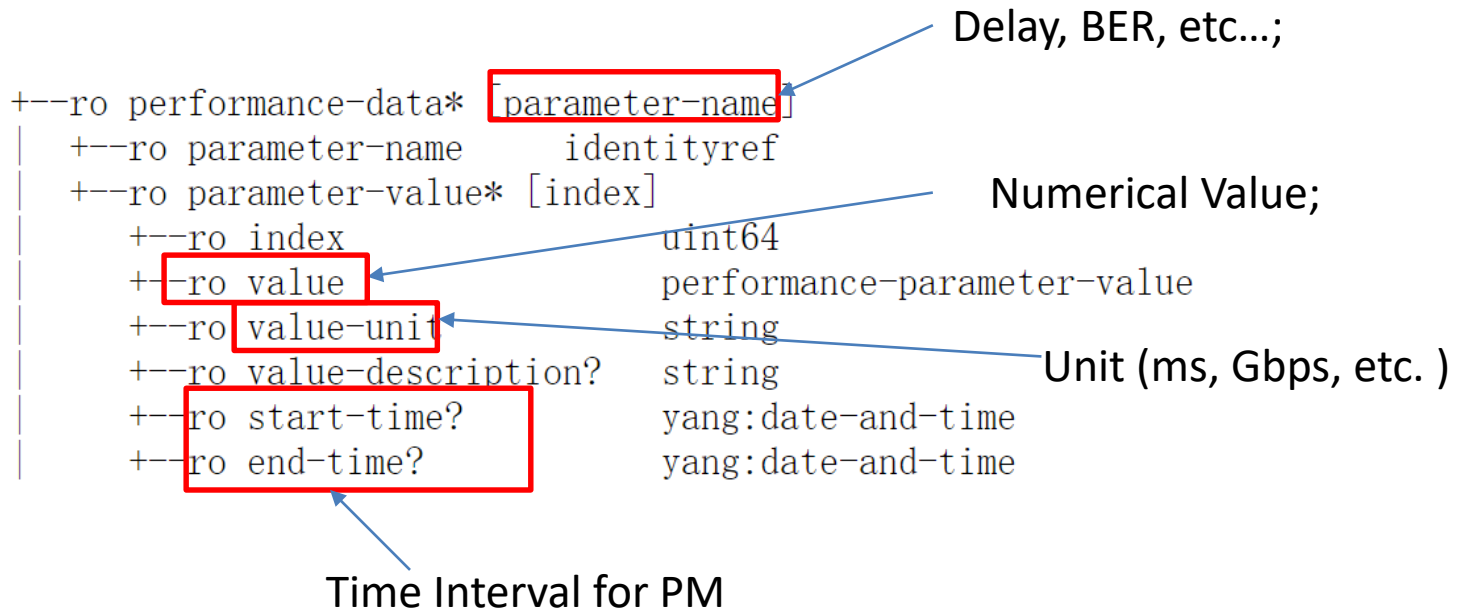
```
module: ietf-service-pm
  +--rw performance-monitoring
    +--rw service-pm* [service-name]
      +--rw service-name union
      +--rw task-pm-enable? boolean
      +--rw granularity? identityref
      +--rw performance-data-config* [parameter-name]
        | +--rw parameter-name identityref
        | +--rw measure-method? identityref
```

To index the service;

Specify PM method;

Changes since -01 (in pm module)

- Re-formatted the service-pm structure;



OAM Augmentation in PM Model

```
augment /svc-pm:performance-monitoring/svc-pm:service-pm:
  +--rw oam-config
    +--rw source
      +--rw md-name?      string
      +--rw ma-name?      string          IEEE 802.1Q
      +--rw ma-level?     string
      +--rw meg-id?       string
      +--rw meg-level?    string          Y.1731
      +--rw mep-id?       uint8
      +--rw remote-mep-id? uint8
    +--rw destination
      +--rw md-name?      string
      +--rw ma-name?      string          IEEE 802.1Q
      +--rw ma-level?     string
      +--rw meg-id?       string
      +--rw meg-level?    string          Y.1731
      +--rw mep-id?       uint8
      +--rw remote-mep-id? uint8
    +--rw cc-interval?    identityref
    +--rw lm-interval?    identityref
    +--rw dm-interval?    identityref
```

This Augmentation applies to Ethernet Only.

We want to hear from WG...

- Is the problem valid?
- Match with the WG scope?
- Request for WG Adoption.

Github: <https://github.com/haomianzheng/IETF-ACTN-YANG-Model/tree/master/YANG/ccamp/client-pm>