

Simple Two-way Active Measurement Protocol (STAMP) YANG data model draft-ietf-ippm-stamp-yang

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Update from -03

- Changed units for delay and delay-variation from microseconds to nanoseconds
- Changed type for delay from yang:gauge32 to yang:gauge64
- Changed type for delay-variation from unit32 to yang:gauge32
- Modify percentile definition from 'decimal 2' to 'decimal 5', i.e., now an operator may request 99.99999 percentile
- Modify percentile reports:
 - delay
 - delay-variation
- Update reflector-udp-port based on the discussion on the list. It now includes the User range

container delay

```
container delay {  
  description "Packets transmitted delay";  
  leaf min {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Min of Packets transmitted delay";  
  }  
  leaf max {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Max of Packets transmitted delay";  
  }  
  leaf avg {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Avg of Packets transmitted delay";  
  }  
}
```

container delay-variation

```
container delay-variation {
  description
    "Packets transmitted delay variation";
  leaf min {
    type yang:gauge32;
    units nanoseconds;
    description
      "Min of Packets transmitted
      delay variation";
  }
  leaf max {
    type yang:gauge32;
    units nanoseconds;
    description
      "Max of Packets transmitted
      delay variation";
  }
  leaf avg {
    type yang:gauge32;
    units nanoseconds;
    description
      "Avg of Packets transmitted
      delay variation";
  }
}
```

container delay-percentile

```
container delay-percentile {  
  description  
    "Report round-trip, near- and far-end delay";  
  leaf rtt-delay {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Percentile of round-trip delay";  
  }  
  leaf near-end-delay {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Percentile of near-end delay";  
  }  
  leaf far-end-delay {  
    type yang:gauge64;  
    units nanoseconds;  
    description  
      "Percentile of far-end delay";  
  }  
}
```

container delay-variation-percentile

```
container delay-variation-percentile {  
  description  
    "Report round-trip, near- and far-end delay variation";  
  leaf rtt-delay-variation {  
    type yang:gauge32;  
    units nanoseconds;  
    description  
      "Percentile of round-trip delay-variation";  
  }  
  leaf near-end-delay-variation {  
    type yang:gauge32;  
    units nanoseconds;  
    description  
      "Percentile of near-end delay variation";  
  }  
  leaf far-end-delay-variation {  
    type yang:gauge32;  
    units nanoseconds;  
    description  
      "Percentile of far-end delay-variation";  
  }  
}
```

leaf reflector-udp-port

```
leaf reflector-udp-port {  
  type inet:port-number{  
    range "862 | 1024..49151 | 49152..65535";  
  }  
  default 862;  
  description "Reflector UDP port number";  
}
```

Next steps

- Continue working on addressing the Early YANG Doctors review
- Comments are welcome