Bench Marking of Y1731 Performance Monitoring

draft-jacpra-bmwg-pmtest-03

By

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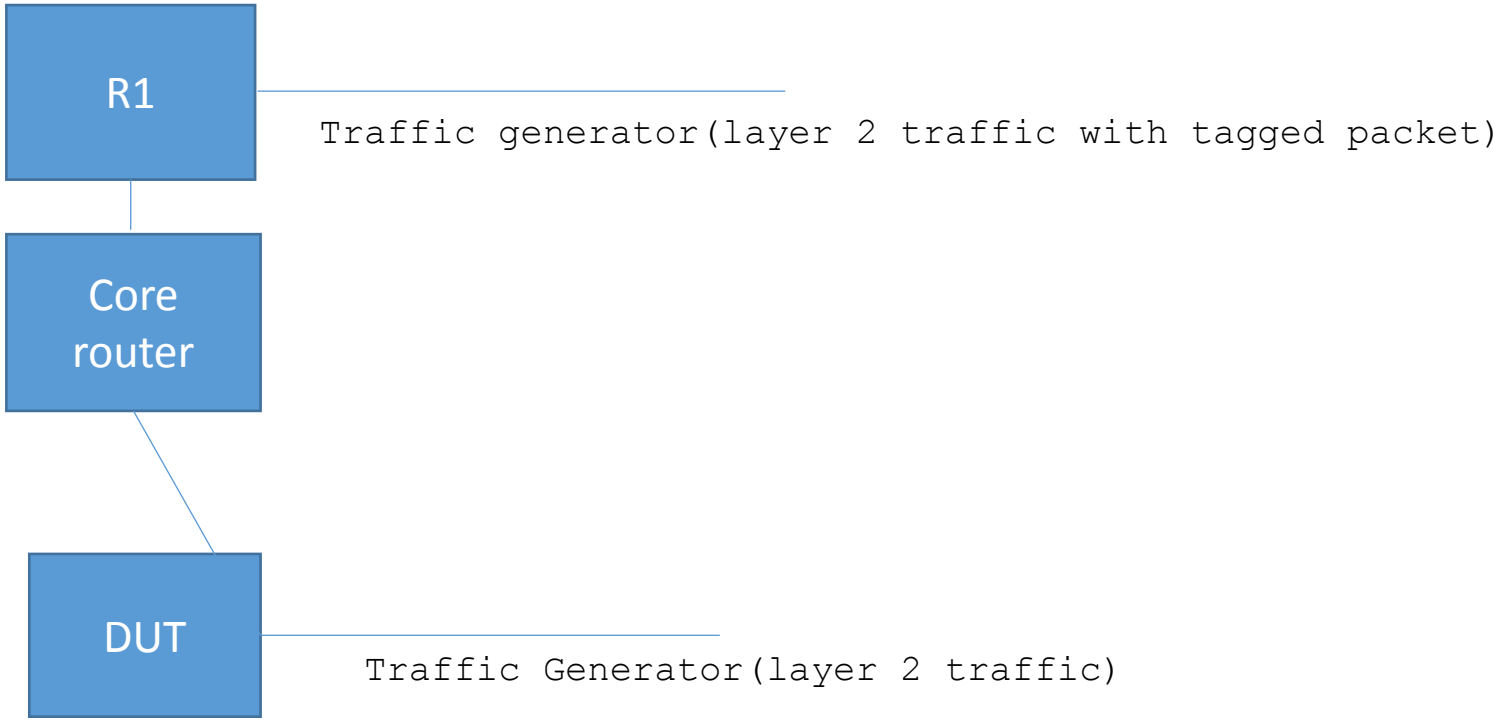
Agenda

- This draft is proposed for benchmarking the Y1731 performance monitoring on DUT in various scenarios.
- ITU defines the protocol Y1731 stack but it never explains how to use it over different services.
- IETF provides this opportunity so this draft is written to bench mark the Y1731 running on point to point service in DUT

Review Comments from IETF 97

- Increase the SOAK Time
- Traffic details.
- HA Ideal case must be recorded

Topology


R1
Traffic generator(layer 2 traffic with tagged packet)
Core router
DUT
Traffic Generator(layer 2 traffic)

Benchmarking of Parameters for Loss/Delay/Synthetic loss Measurement

- Measurement of loss/Delay/Synthetic packets
- Impairment
- High Availability
- SOAK
- Scale

Measurement – loss/Delay/Synthetic loss Measurement with and with out cos measurement.

With Various line rate and packet size the output is measured.

Measurement – Impairment

- Measure the behavior of PM when dropping LMM/LMR/SLM/SLR/DMM/DMR or data packets using impairment tools.

Measurement – Routing Engine Failover(HA)

- Measure the loss measurement statics should not reset during RE failover. Packet must be counted during the failover time.
- There should not be any loss reported.
- Statistics should not reset.
- Ideal case there must be 0 packet loss.

Scale

- This is to measure the performance of DUT in scaling to "X" CFM sessions with Performance monitoring running over it.

Measurement- SOAK

- Measure the PM statistics after running the DUT for 24 to 48 hrs with traffic.
- No Core or Memory leak

Next Steps

- Requesting the Chair for adoption.

- Thank you for the support