Bench Marking of Y1731 Performance Monitoring
draft-jacpra-bmwg-pmtest-02

By

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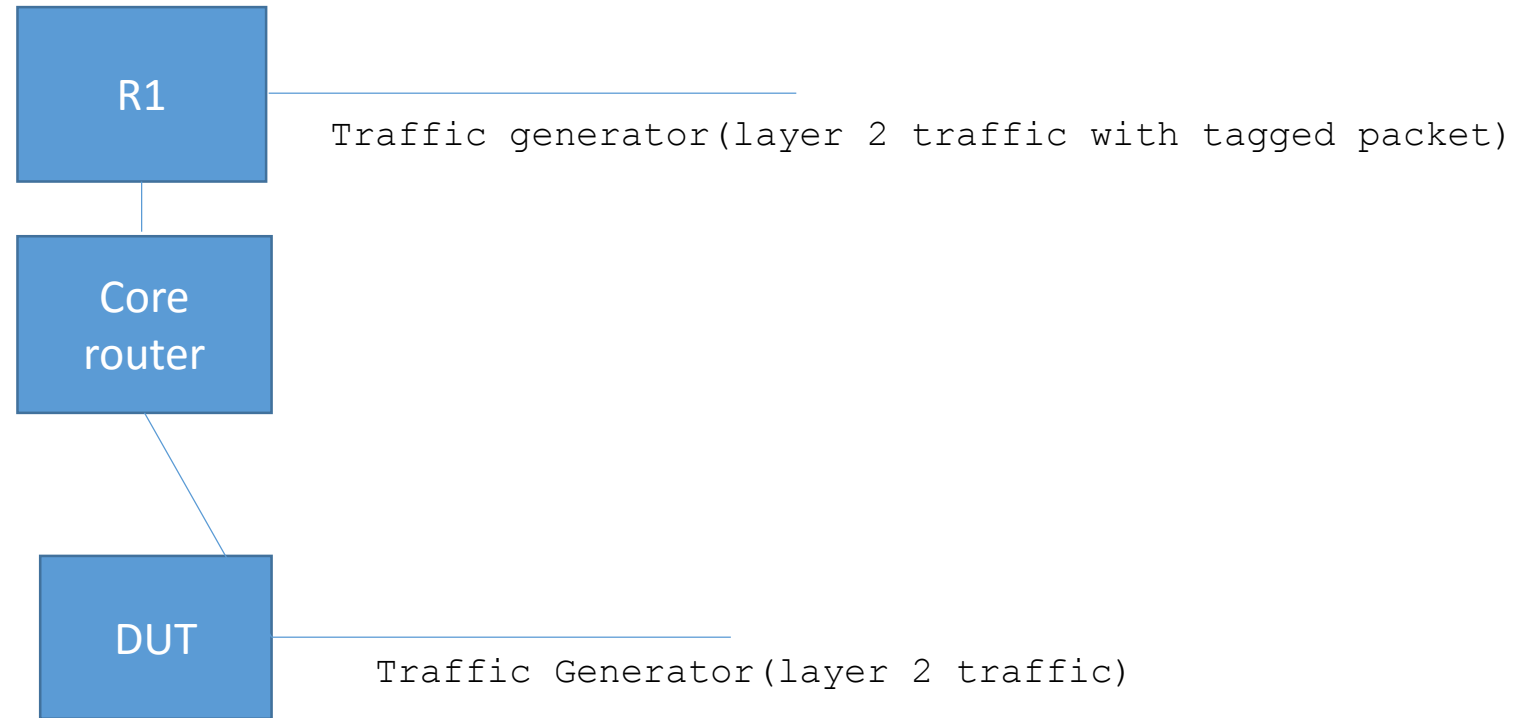
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Agenda

- 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 96

- Increase the SOAK Time

- Remove Reliability

- Proof Reading

- Clarity on graph.

- Traffic details.

Topology

R1

Core router

DUT

Traffic generator(layer 2 traffic with tagged packet)

Traffic Generator(layer 2 traffic)

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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 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.

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

- Draft must be reviewed.
- Requesting the Chair for adoption.

- Thank you for the support