Constant Available Capacity with Single RMCAT flow

AUTOMATIC TEST REPORT

Requested by Balázs Kreith

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Abstract

This report is generated by testscript found in[1]. It is intended to show results of tests performed on Multipath RTP Gstreamer plugin according to [2].

1 Test Description

In this test case the bottleneck-link capacity between the two endpoints remains constant over time. This test is designed to measure the stability of the cancdidate algorithm.

Expected behavior: the candidate algorithm is expected to detect the path capacity constraint, converges to bottleneck link's capacity and adapt the flow to avoid unwanted oscillation when the sending bit rate is approaching the bottleneck link's capacity.

2 Results

Summary.

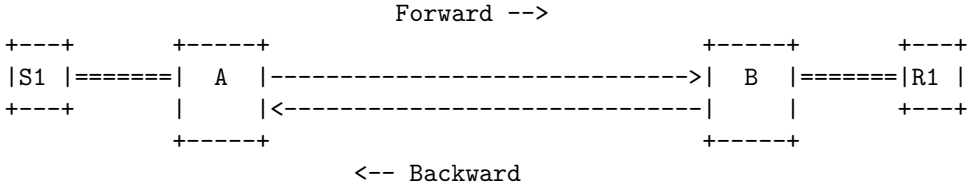
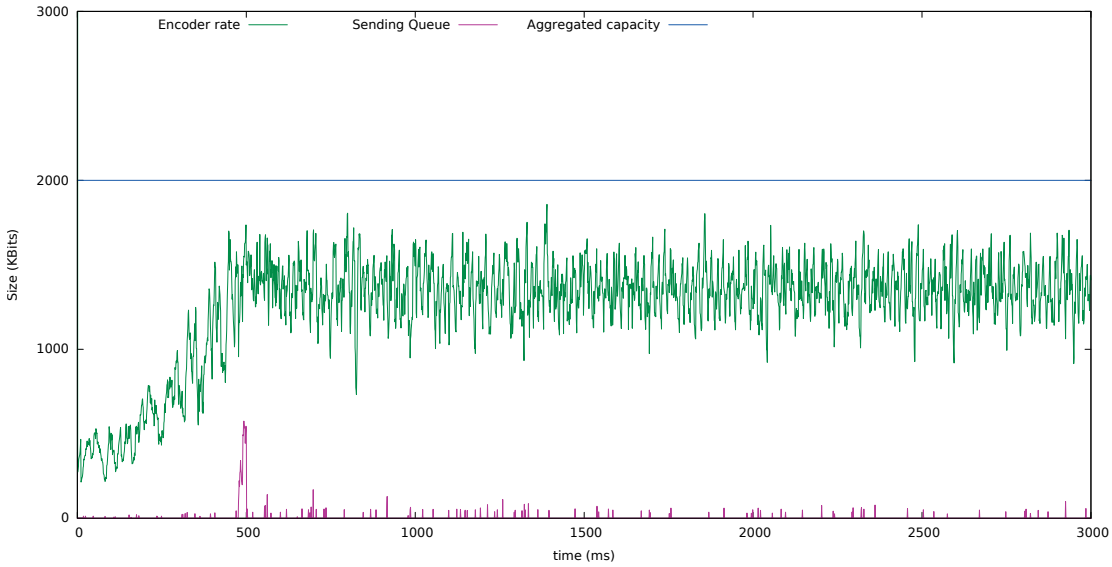


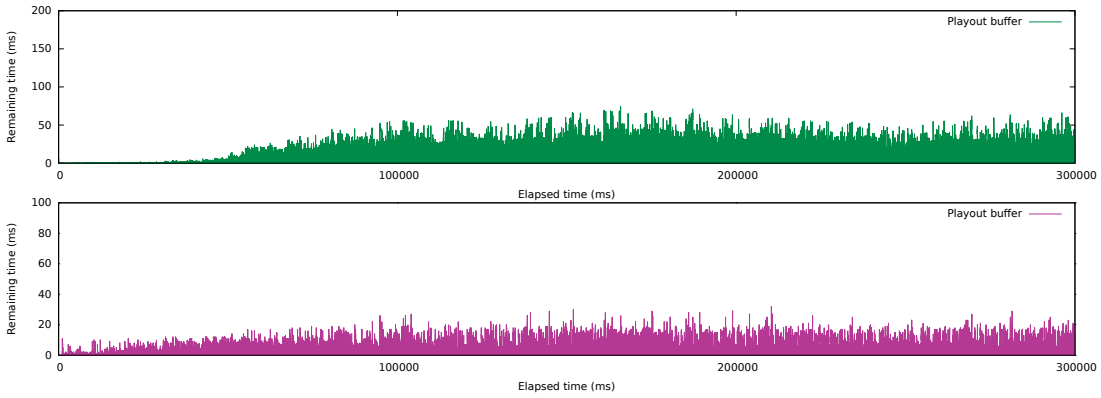
Figure 1: Constant RTP transmission testcase topology

2.1 Summary

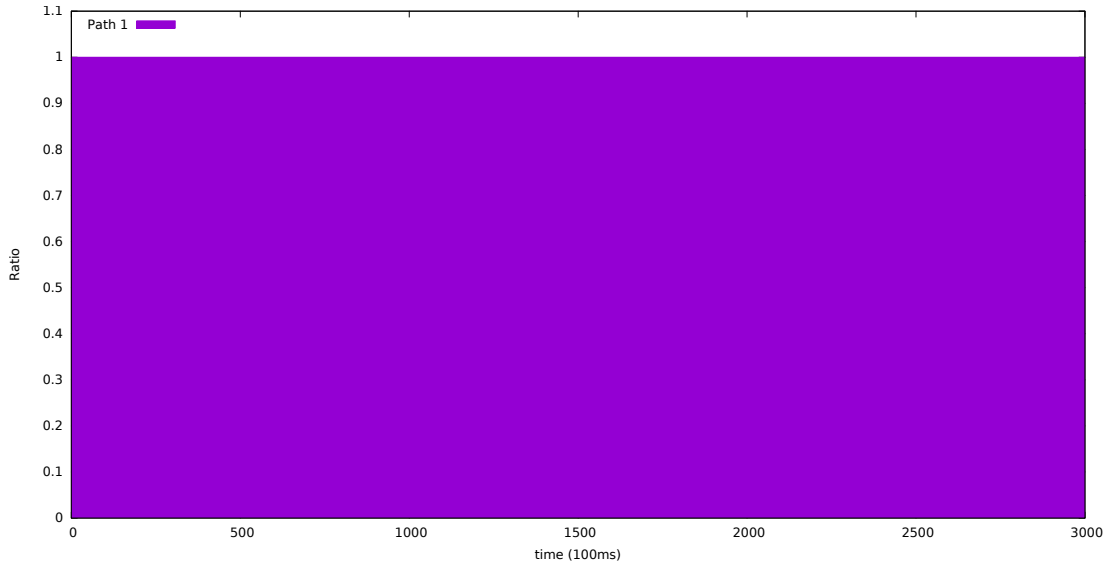
2.1.1 Sending rates



2.1.2 Playout delay



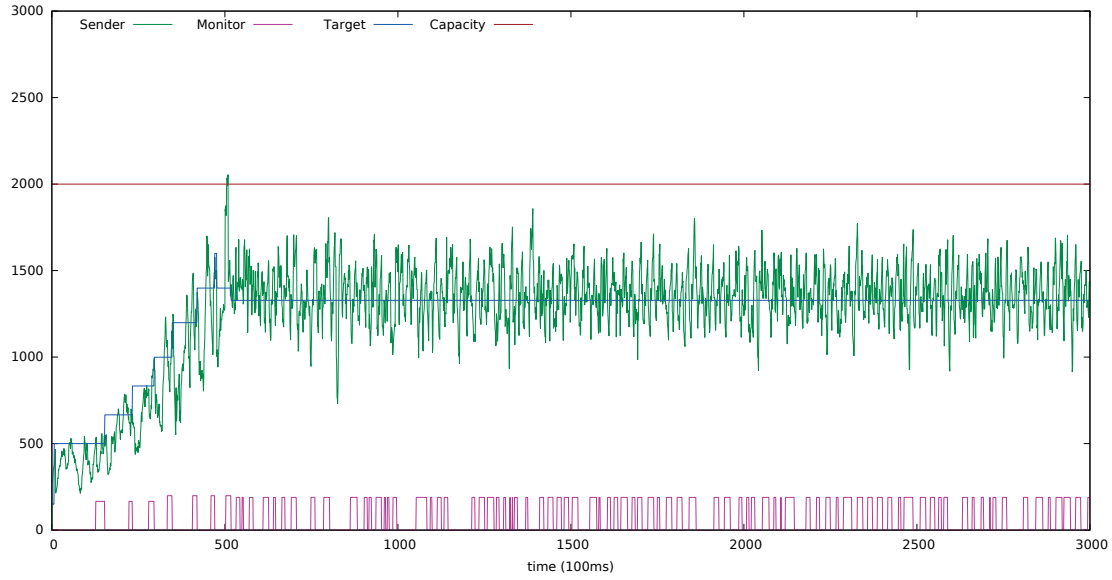
2.1.3 Path ratios



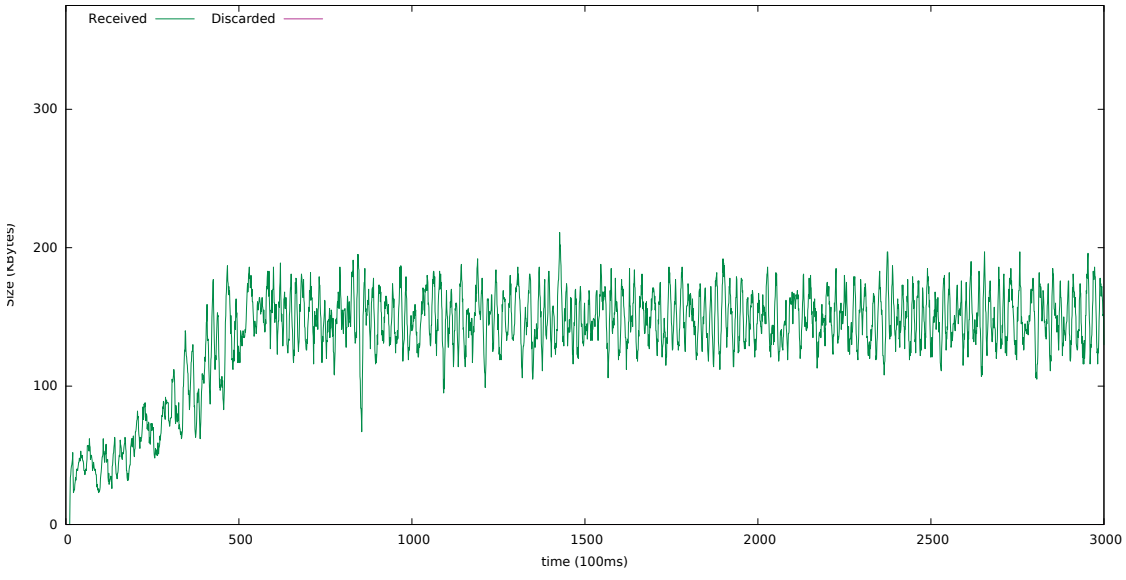
2.2 Subflow 1

Summary.

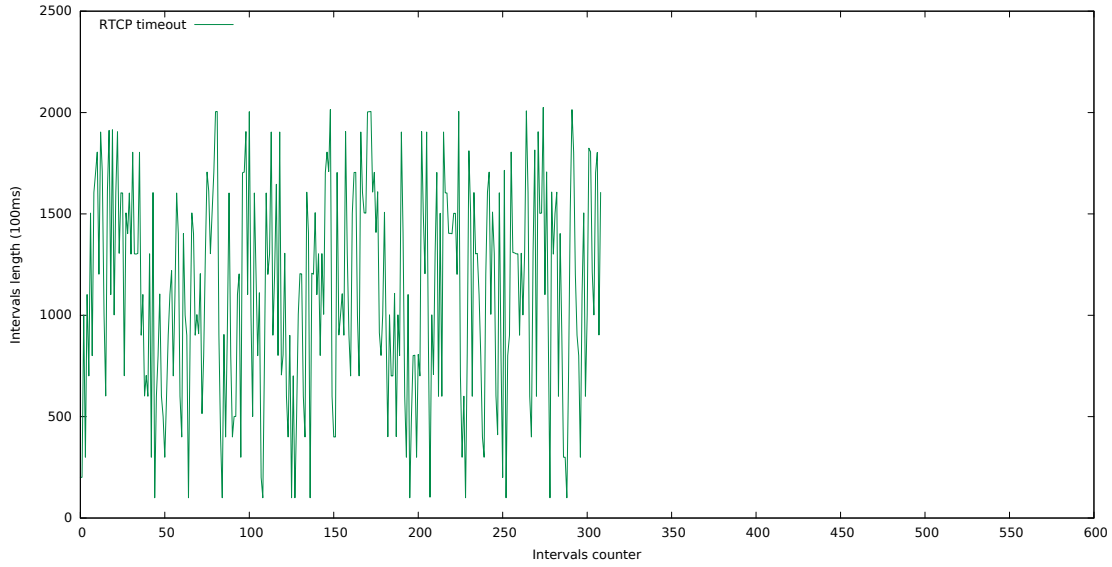
2.2.1 Sender Rate



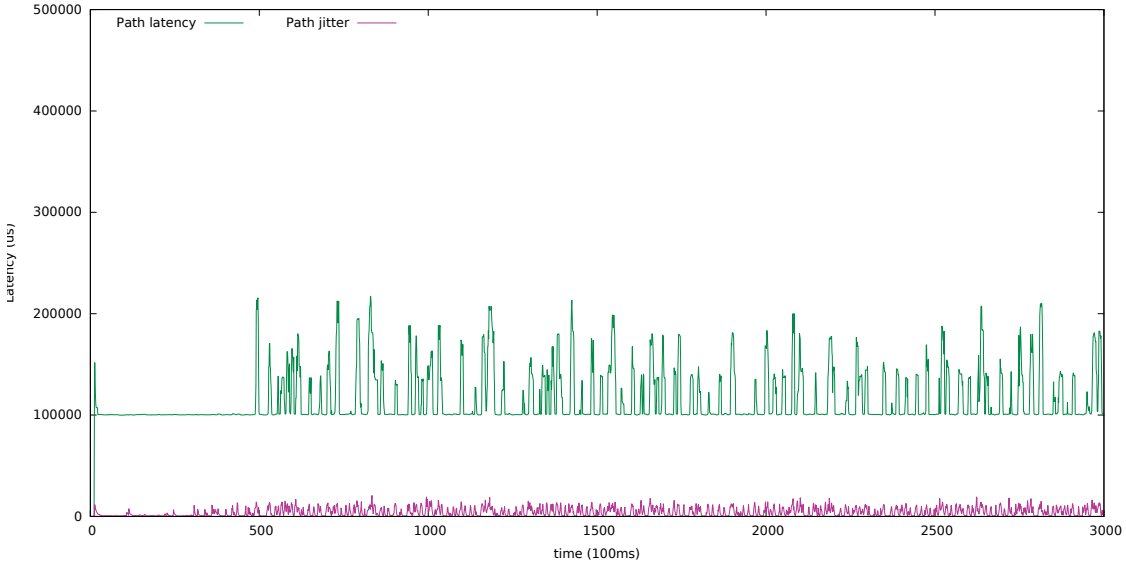
2.2.2 Receiver Rate



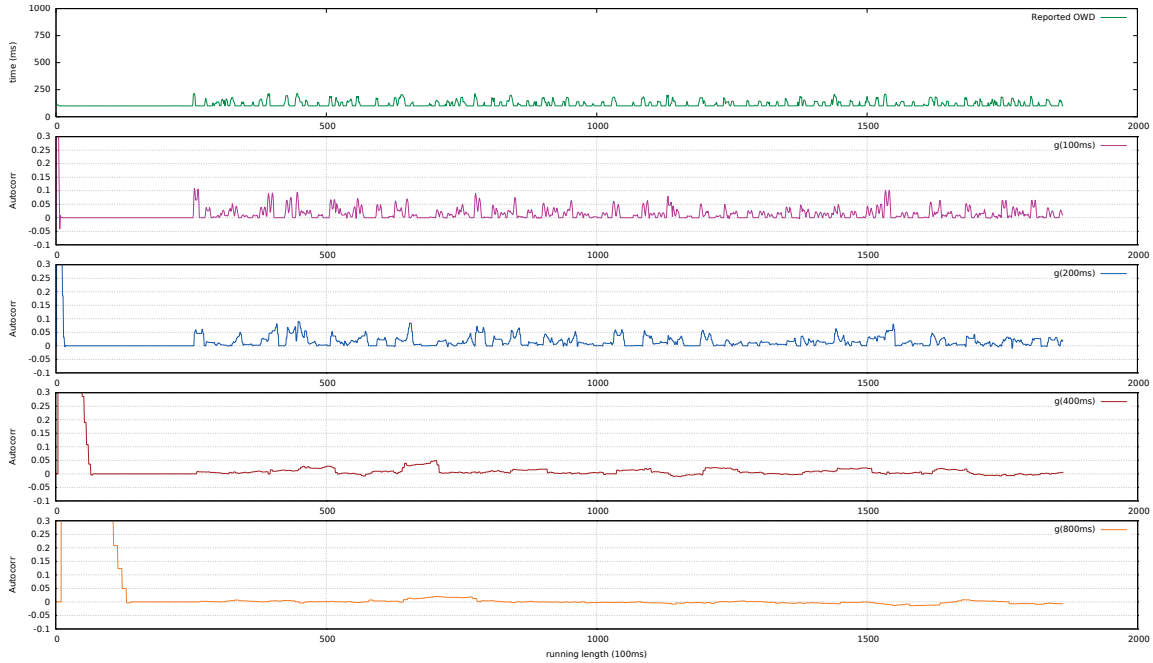
2.2.3 RTCP intervals



2.2.4 Latencies



2.2.5 Multiple-τ Autocorrelations



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References

[1] Multipath RTP implementations, `https://github.com/multipath-rtp`

[2] Test Cases for Evaluating RMCAT Proposals, `https://tools.ietf.org/html/draft-ietf-rmcat-eval-test-02`

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