

# Multipath RTP

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# Updates in latest version

- Taxonomy updated
  - Based on the review from Frederic Maze -- THANK YOU!

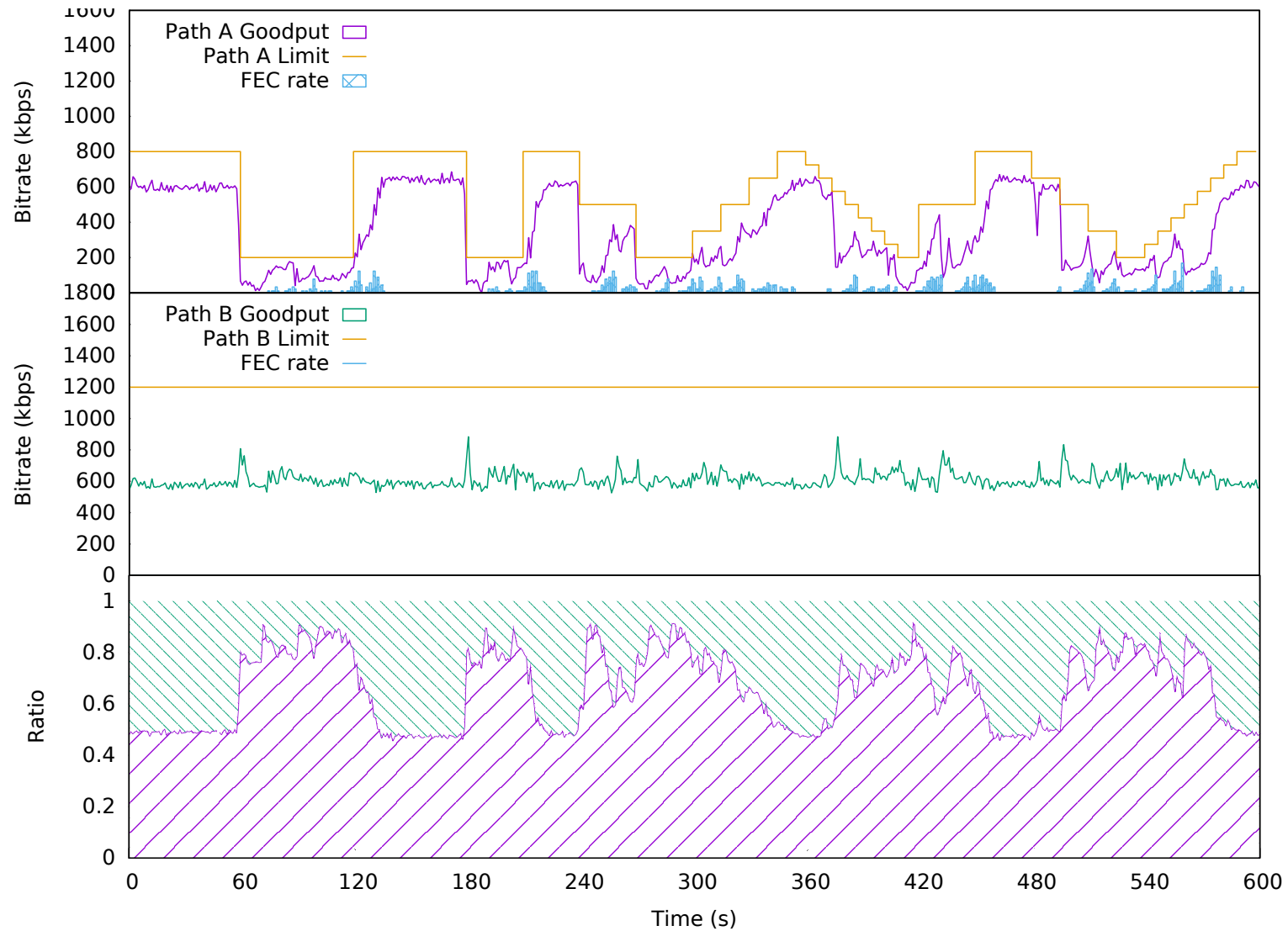
# Taxonomy Updates

- 2.1.10. The RTP stream is identified by an SSRC belonging to a particular RTP Session.
- [2.1.17](#). **Sent RTP Stream**
- The sent RTP stream is the RTP stream as entering the first hop of the network path to its destination. **The sent RTP stream is identified using network transport addresses, like the 5-tuple (source IP address, source port, destination IP address, destination port, and protocol (UDP)) for IP/UDP.**

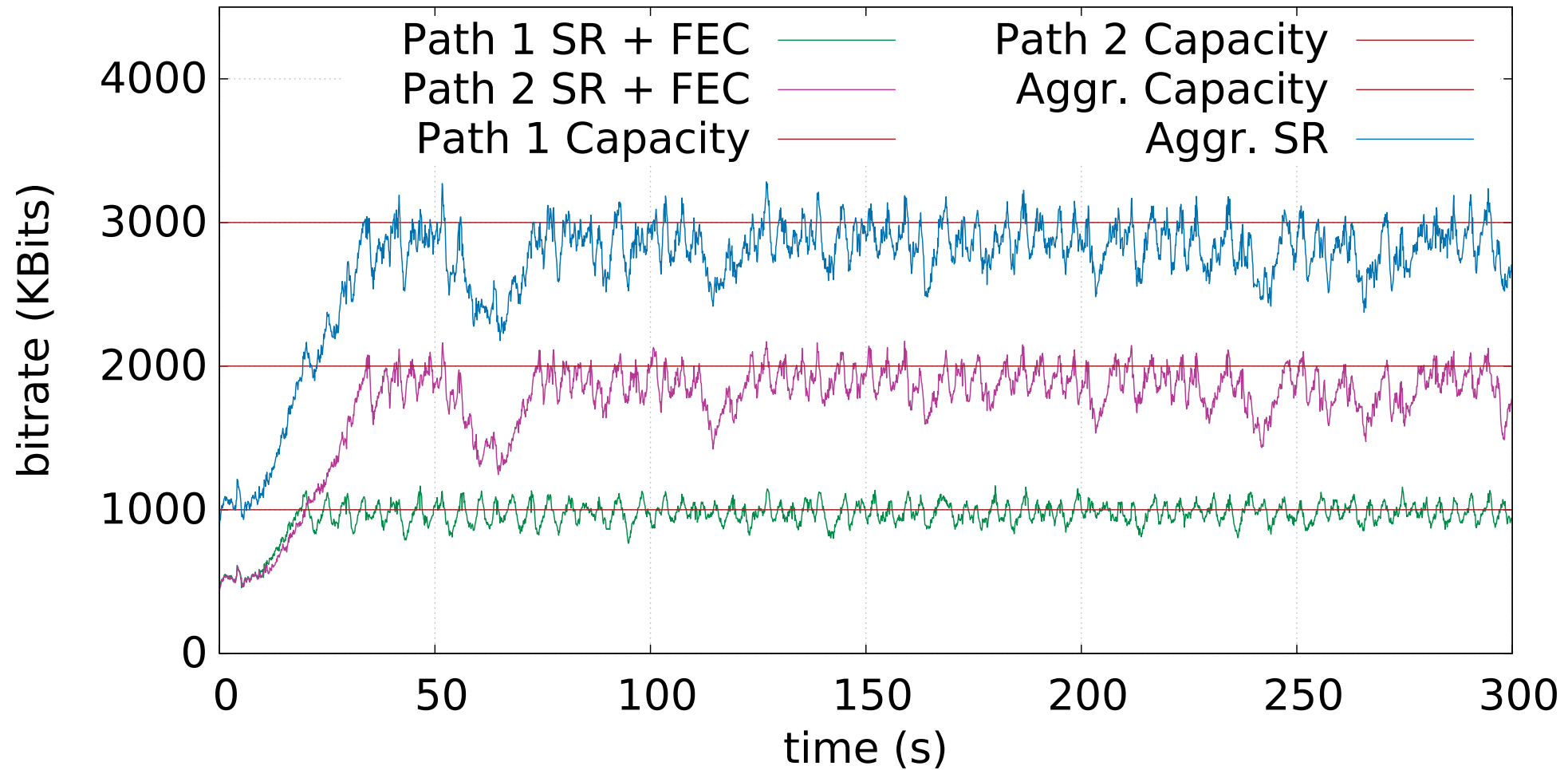
# Implementation Status

- Implemented as Gstreamer plugin gst-mprtp
  - <https://github.com/multipath-rtp/gst-mprtp>
- Ongoing integration with OpenWebRTC
  - Work in progress update to Gstreamer community: November 2015.  
<https://gstreamer.freedesktop.org/data/events/gstreamer-conference/2015/Bal%C3%A1zs%20Kreith%20-%20Multi-path%20RTP%20in%20GStreamer.pdf>

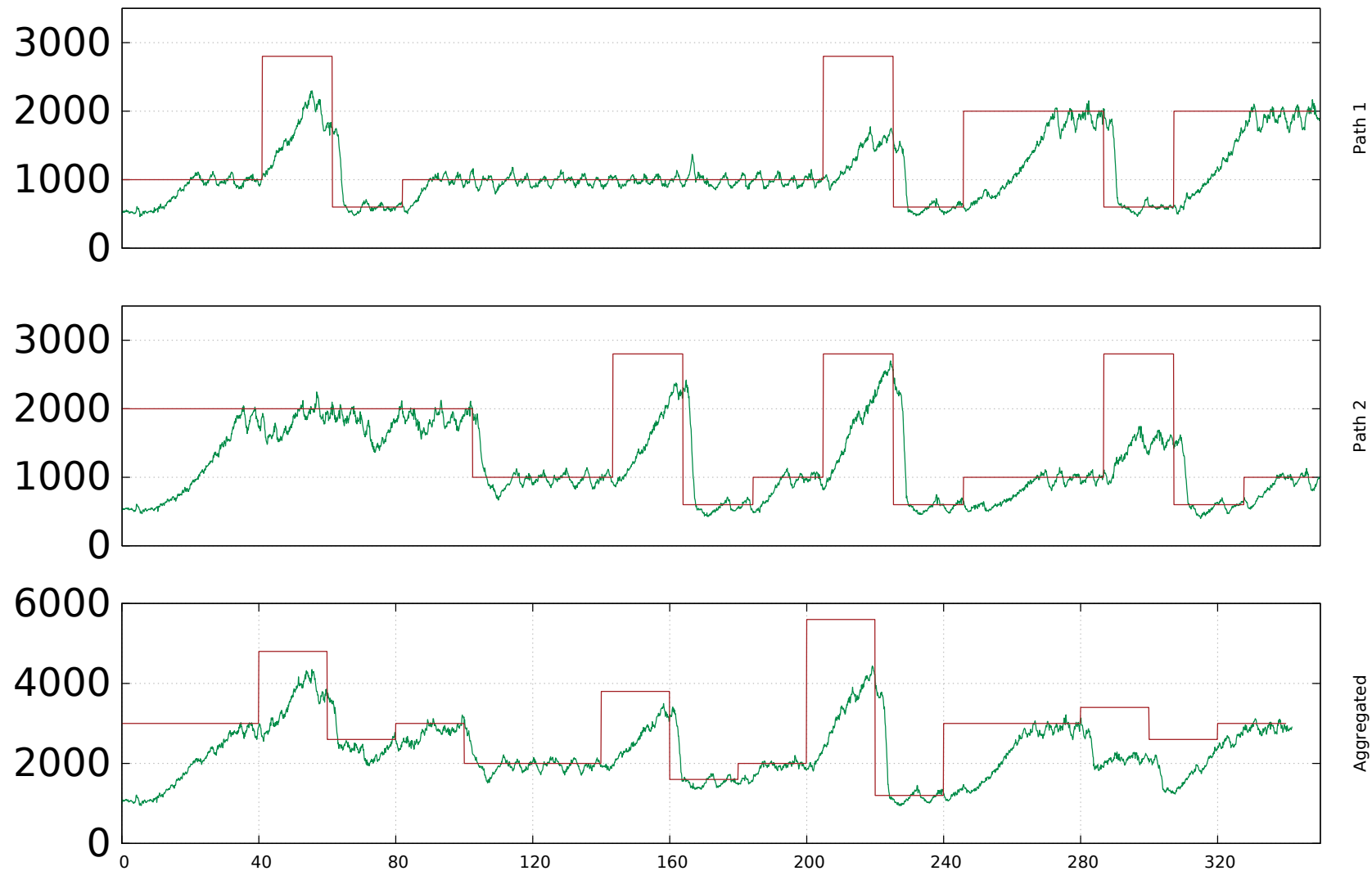
# MPRTP + Congestion control (1/3)



# MPRTTP + Congestion control (2/3)



# MPRTP + Congestion control (3/3)



# Next Steps

- Needs more review
- Two open issues
  1. Interface advertisement → currently in-band in RTCP
  2. Security considerations
    - For example, use with DTLS, ...