Graphs for draft-ietf-dccp-tfrc-voip-05

Sally Floyd
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Abstract

Figure 1: Response Functions for TCP, TFRC, and TFRC-SP. Sending Rate in KBps, as a Function of Packet Drop Rate.

Figure 2:

Figure 3: Response Functions for TCP, TFRC, and TFRC-SP. Sending Rate in KBps, as a Function of Byte Drop Rate.

Figure 4:
Figure 5: TCP Median Send Rate vs. Packet Size I: Byte Drop Rate 0.0001

Figure 6: TCP Median Send Rate vs. Packet Size II: Byte Drop Rate 0.001
Figure 7: Send Rate vs. Packet Drop Rate I: 1460B TFRC Segments (1.184 Kbps Maximum TFRC Data Sending Rate)

Figure 8: Send Rate vs. Packet Drop Rate II: 14B TFRC Segments (5.6 Kbps Maximum TFRC Data Sending Rate)

Figure 9: Sending Rate vs. Packet Drop Rate III: 200B TFRC Segments (160 Kbps Maximum TFRC Data Sending Rate)
TCP and TFRC Sending Rates (5.6 Kbps, optimal TCP segment sizes)

Figure 10: Sending Rate vs. Byte Drop Rate

Converting Byte Drop Rates to Packet Drop Rates

Figure 11: Packet Drop Rate Ratio vs. Byte Drop Rate

Drop-Tail_queue_in_packets

Figure 12: Drop and Send Rates for Drop-Tail Queues in Packets
Figure 13: Drop and Send Rates for Drop-Tail Queues in Bytes I: 1460B TCP Segments

Figure 14: Drop and Send Rates for Drop-Tail Queues in Bytes II: 512B TCP Segments

Figure 15: Drop and Send Rates for Drop-Tail Queues in Bytes III: TFRC-SP, 1460B TCP Segments
Figure 16: Drop and Send Rates for Drop-Tail Queues in Bytes I V: Standard TFRC, 1460B TCP Segments

Figure 17: Drop and Send Rates for RED Queues in Packet Mode

Figure 18: Drop and Send Rates for RED Queues in Byte Mode

Figure 19: Drop and Send Rates for RED Queues in Byte Mode
Figure 20: Drop and Send Rates with Adaptive RED Queues in Byte Mode

Figure 21: Drop and Send Rates for Adaptive RED Queues in Byte Mode