Abstract

Figure 1: TCP Median Send Rate vs. Packet Size I: Byte Drop Rate 0.0001
Figure 2: TCP Median Send Rate vs. Packet Size II: Byte Drop Rate 0.001
Figure 3: Send Rate vs. Packet Drop Rate I: 1460B TFRC Segments (1.184 Kbps Maximum TFRC Data Sending Rate)

Figure 4: Send Rate vs. Packet Drop Rate II: 14B TFRC Segments (5.6 Kbps Maximum TFRC Data Sending Rate)

Figure 5: 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 6: Sending Rate vs. Byte Drop Rate

Converting Byte Drop Rates to Packet Drop Rates

Figure 7: Packet Drop Rate Ratio vs. Byte Drop Rate

Figure 8: Drop and Send Rates for Drop-Tail Queues in Packets
Figure 9: Drop and Send Rates for Drop-Tail Queues in Bytes I: 1460B TCP Segments

Figure 10: Drop and Send Rates for Drop-Tail Queues in Bytes II: 512B TCP Segments

Figure 11: Drop and Send Rates for RED Queues in Packet Mode
Figure 12: Drop and Send Rates for RED Queues in Byte Mode

Figure 13: Drop and Send Rates for RED Queues in Byte Mode

Figure 14: Drop and Send Rates with Adaptive RED Queues in Byte Mode

Figure 15: Drop and Send Rates for Adaptive RED Queues in Byte Mode