

Questions

- Reno TCP vs. SACK TCP
 - What's the key difference between them?
 - What metrics are appropriate for measuring this difference?
 - Design a test scenario to show the difference.

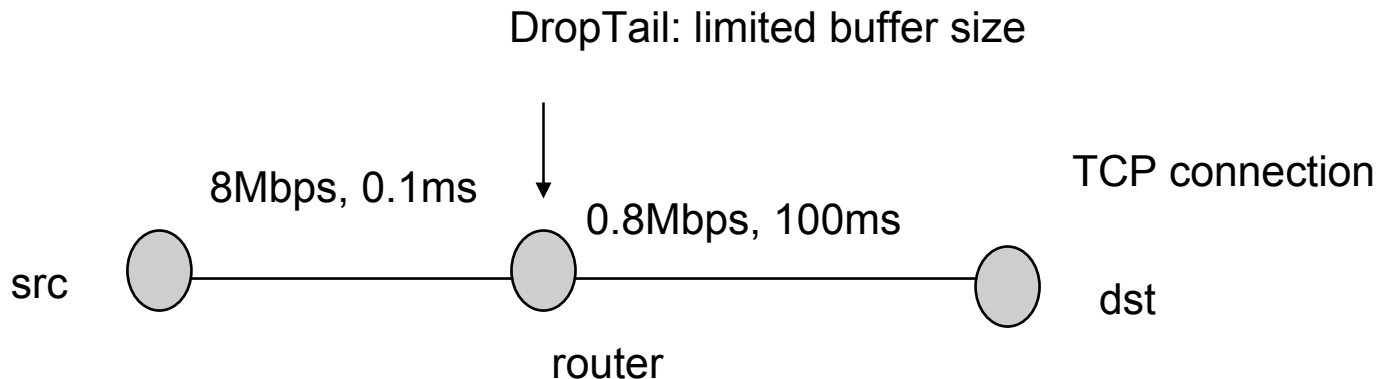
- RED vs. DropTail
 - What's the key difference?
 - Why RED drops packet randomly?
 - What's the major effect if using RED instead of DropTail?

Questions

- Suppose a number of flows share a single droptail bottleneck
- If you change the following parameters, what do you expect?
 - Buffer size from 10 packets to 1000 packets;
 - Segment size from 100B to 1KB;
 - The number of flows from 3 to 10.
- Write down what do you expect?

Assignment #4

- Validate the experiment in Section 6.5 of tcp-sack paper
- Sample code at `/home/net/ns/ns-2.26/tcl/test/test-sack`
- Generate your own ns script based on the sample code



- Generate Sequence # vs. Time graph at the node src;
- Compute average throughput at dst.

Submission

- Write ns2 script to measure TCP Reno/SACK performance difference.
- Submissions:
 - Ns2 simulation script;
 - All graphs and statistics.
- Due the Next Tue Sept 23 11:55pm