

Lab Assessment – 3

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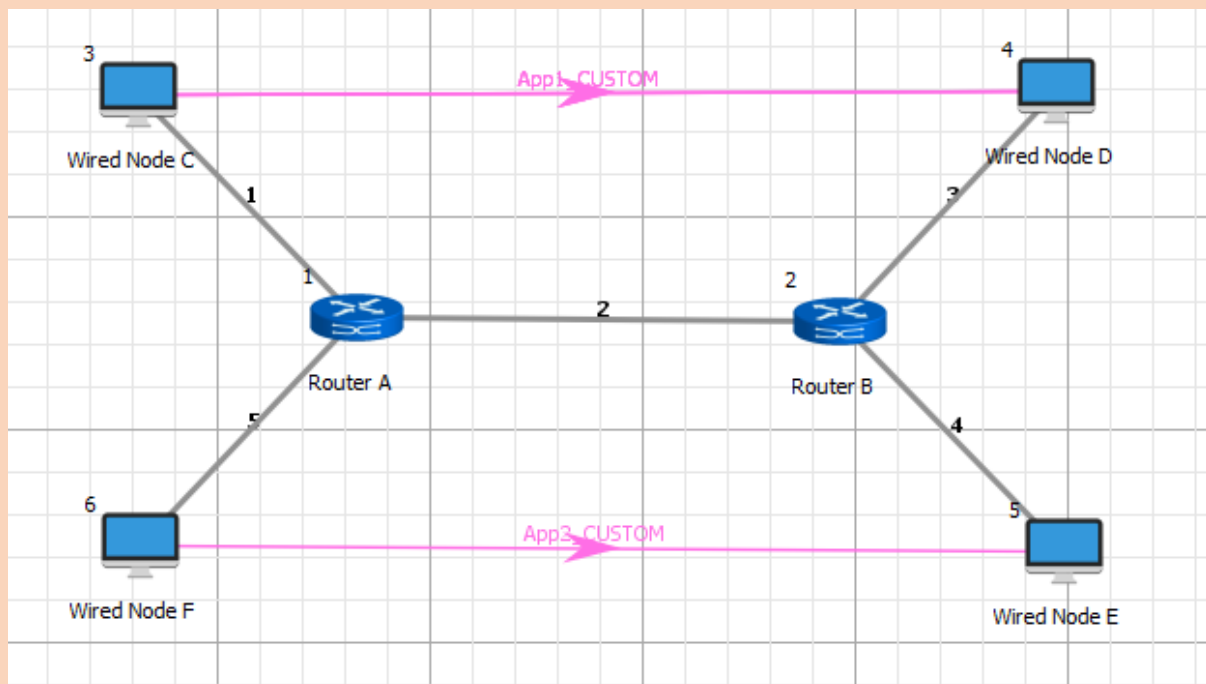
Aim

To study performance comparison between busy and simple networks

Tools Required

Netsim Software

Network Diagram



1:

Fast network: 100 Mbps

Throughput: 0.582832

Delay: 26737

2:

Simple network: 10 Mbps

Throughput: 0.582832

Delay: 32816

3:

Busy network: 1 Mbps

Throughput: 0.462528

Delay: 1222234

Inference

From the given graphs, we understand the fact that the delay is very high for a busy network with a lower uplink and downlink speed. As an additional measure, I have also calculated the same for 100 Mbps and found nearly similar results to 10 Mbps, implying that the increase in speed results in a logarithmic decrease in the delay time.

Graphs

