1. Find the cpu utilization of node E1 by sending packets from node E1 to E2

# Experiment1

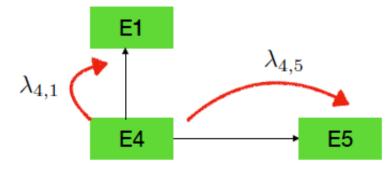


Run the socket function that PhooPhoo uses to send the cpu\_uitilization information to SE at E1 and E2

## Use iperf3 UDP

1. Find the maximum throughput by sending packets from node E4 to E1, while E4 forwards packet to E5.

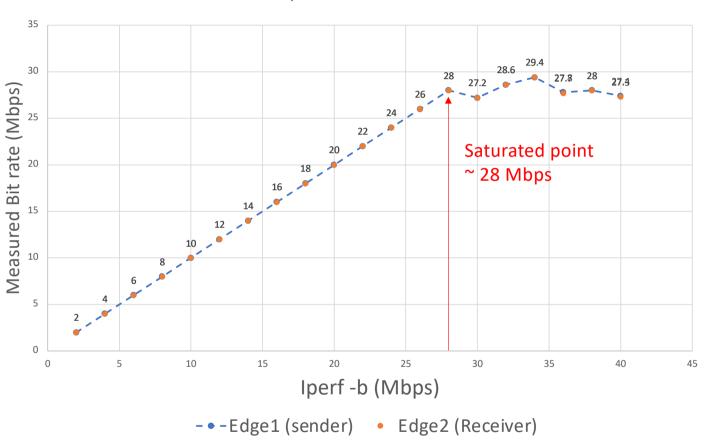
# Experiment2



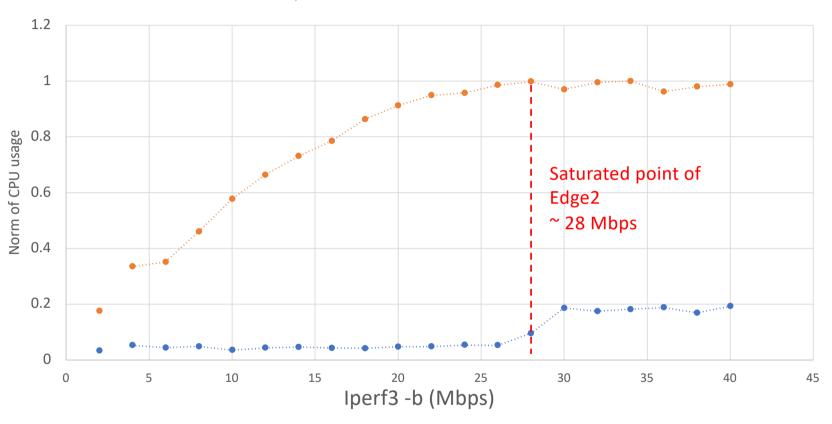
Run the socket function that PhooPhoo uses to send the cpu\_uitilization information to SE at E1, E4, E5

## Experiment1 Control plane Data plane Super Edge CPU Utilization of Edge1 &2 Edge1 & Edge2 keep streaming CPU Streaming %CPU info 20 utilization info through socket program points for every bitrate over the control plane parameters Edge2 Edge1 (Client) (Server) Iperf3 log Iperf3 log **UDP** packets edge2 edge1 Iperf3 –u –b [2, 4, 6,..., 40M] –t 75

#### Experiment1 Bit rate



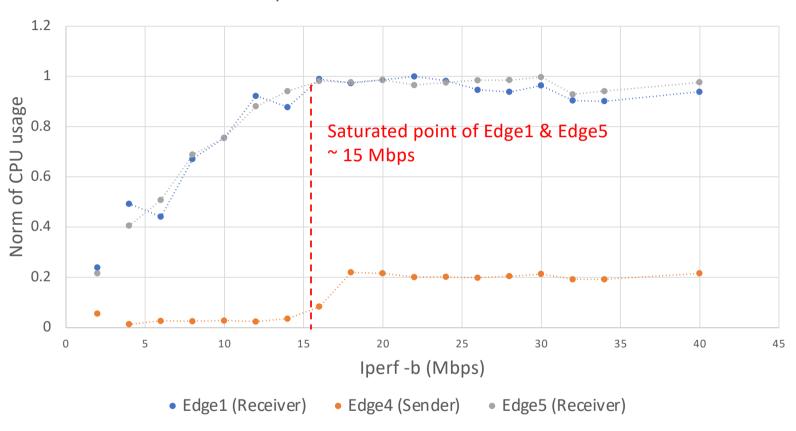
#### Experiment1 %CPU Utilisation



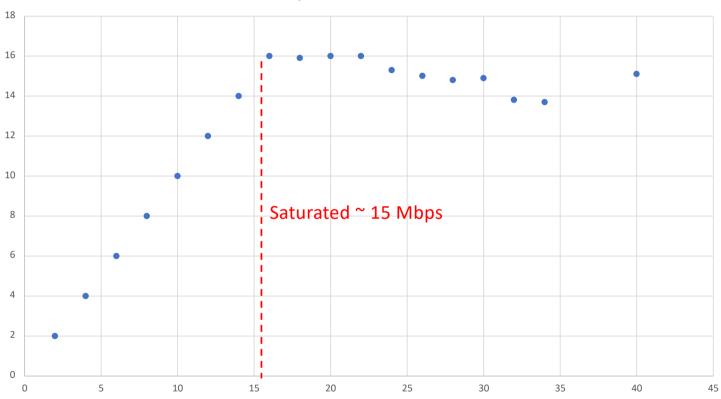
• Edge1 (sender) • Edge2 (receiver)

## Experiment2 Control plane Data plane Super Edge CPU Utilization of Edge1 &2 Streaming %CPU info 20 points for every bitrate parameters **UDP** packets Iperf3 –u –b [2, 4, 6,..., 40M] –t 75 Edge4 Edge5 Edge1 (Client) (Server) (Server) Iperf3 log Iperf3 log Iperf3 log edge5 edge1 edge4

#### Experiment2 %CPU Utilisation

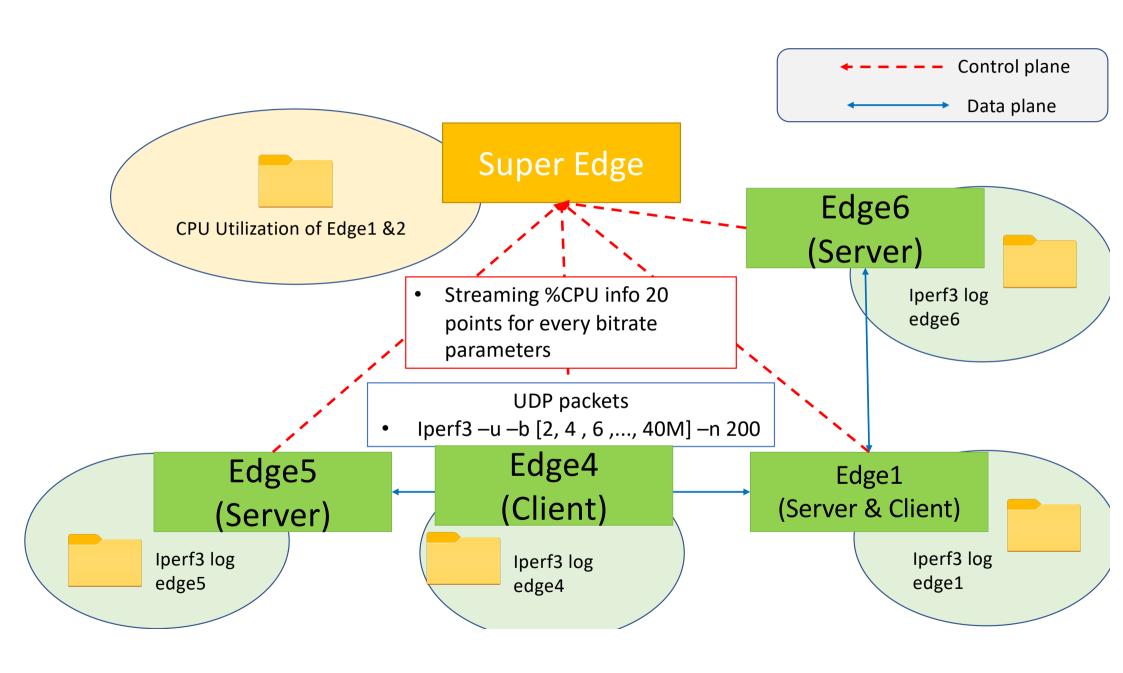


#### Experiment2 Bit rate

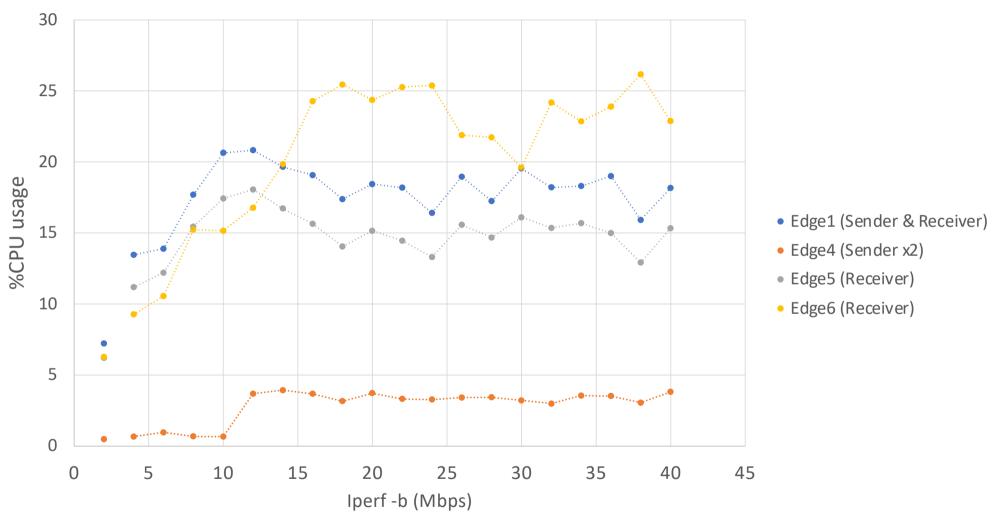


143 MBytes 16 Mbits/sec 16 Mbits/sec 0.000 ms 0/103590 (0%) sender

# Suggested Experiment



#### Experiment2.2 %CPU Utilisation



Experiment 2.2 bitrate

