

The above illustration shows the setup I have. One computer on Network A that is attached to the 'dedicated' port. Two computers on Network B, one of which is connected to a 'dedicated' port (HOST B). Note that the 'dedicated' ports are the ports on the switch that do the CoS marking, and later the router remarks those packets with a DSCP value.

Observation:

Both HOST C and B stream data to the SERVER Host A, however, HOST C does not get any bandwidth (see table below, text in red). Once I physically disconnect HOST B from the switch, HOST C now gets the bandwidth. (I marked the physical disconnection with yellow lines)

HOST A: jperf SERVER (dedicated port)	HOST B: jperf CLIENT (dedicated port)	HOST C: jperf CLIENT (No marking)
bin/iperf.exe -s -P 0 -i 1 -p 5001 -f k	bin/iperf.exe -c 192.168.2.20 -P 1 -i 1 -p 5001 -f k -t 10000	bin/iperf.exe -c 192.168.2.20 -P 1 -i 1 -p 5001 -f k -t 10000
Server listening on TCP port 5001 TCP window size: 8.00 KByte (default)	Client connecting to 192.168.2.20, TCP port 5001 TCP window size: 8.00 KByte (default)	Client connecting to 192.168.2.20, TCP port 5001 TCP window size: 8.00 KByte (default)
OpenSCManager failed - Access is denied. (0x5)	[128] local 192.168.1.20 port 52296 connected with 192.168.2.20 port 5001	[156] local 192.168.1.30 port 30086 connected with 192.168.2.20 port 5001
[208] local 192.168.2.20 port 5001 connected with 192.168.1.20 port 52296	[ID] Interval Transfer Bandwidth	[ID] Interval Transfer Bandwidth
[ID] Interval Transfer Bandwidth	[128] 0.0- 1.0 sec 232 KBytes 1901 Kbits/sec	[156] 0.0- 1.0 sec 8.00 KBytes 65.5 Kbits/sec
[208] 0.0- 1.0 sec 232 KBytes 1901 Kbits/sec	[128] 1.0- 2.0 sec 240 KBytes 1966 Kbits/sec	[156] 1.0- 2.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 1.0- 2.0 sec 248 KBytes 2032 Kbits/sec	[128] 2.0- 3.0 sec 240 KBytes 1966 Kbits/sec	[156] 2.0- 3.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 2.0- 3.0 sec 240 KBytes 1966 Kbits/sec	[128] 3.0- 4.0 sec 248 KBytes 2032 Kbits/sec	[156] 3.0- 4.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 3.0- 4.0 sec 240 KBytes 1966 Kbits/sec	[128] 4.0- 5.0 sec 240 KBytes 1966 Kbits/sec	[156] 4.0- 5.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 4.0- 5.0 sec 240 KBytes 1966 Kbits/sec	[128] 5.0- 6.0 sec 240 KBytes 1966 Kbits/sec	[156] 5.0- 6.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 5.0- 6.0 sec 240 KBytes 1966 Kbits/sec	[128] 6.0- 7.0 sec 240 KBytes 1966 Kbits/sec	[156] 6.0- 7.0 sec 8.00 KBytes 65.5 Kbits/sec
[208] 6.0- 7.0 sec 248 KBytes 2032 Kbits/sec	[128] 7.0- 8.0 sec 240 KBytes 1966 Kbits/sec	[156] 7.0- 8.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 7.0- 8.0 sec 240 KBytes 1966 Kbits/sec	[128] 8.0- 9.0 sec 248 KBytes 2032 Kbits/sec	[156] 8.0- 9.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 8.0- 9.0 sec 240 KBytes 1966 Kbits/sec	[128] 9.0-10.0 sec 240 KBytes 1966 Kbits/sec	[156] 9.0-10.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 9.0-10.0 sec 240 KBytes 1966 Kbits/sec	[128] 10.0-11.0 sec 240 KBytes 1966 Kbits/sec	[156] 10.0-11.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 10.0-11.0 sec 240 KBytes 1966 Kbits/sec	[128] 11.0-12.0 sec 240 KBytes 1966 Kbits/sec	[156] 11.0-12.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 11.0-12.0 sec 248 KBytes 2032 Kbits/sec	[128] 12.0-13.0 sec 240 KBytes 1966 Kbits/sec	[156] 12.0-13.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 12.0-13.0 sec 240 KBytes 1966 Kbits/sec	[128] 13.0-14.0 sec 240 KBytes 1966 Kbits/sec	[156] 13.0-14.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 13.0-14.0 sec 240 KBytes 1966 Kbits/sec	[128] 14.0-15.0 sec 248 KBytes 2032 Kbits/sec	[156] 14.0-15.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 14.0-15.0 sec 240 KBytes 1966 Kbits/sec	[128] 15.0-16.0 sec 240 KBytes 1966 Kbits/sec	[156] 15.0-16.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 15.0-16.0 sec 240 KBytes 1966 Kbits/sec	[128] 16.0-17.0 sec 240 KBytes 1966 Kbits/sec	[156] 16.0-17.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 16.0-17.0 sec 248 KBytes 2032 Kbits/sec	[128] 17.0-18.0 sec 240 KBytes 1966 Kbits/sec	[156] 17.0-18.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 17.0-18.0 sec 240 KBytes 1966 Kbits/sec	[128] 18.0-19.0 sec 240 KBytes 1966 Kbits/sec	[156] 18.0-19.0 sec 232 KBytes 1901 Kbits/sec
[208] 18.0-19.0 sec 240 KBytes 1966 Kbits/sec	[128] 19.0-20.0 sec 248 KBytes 2032 Kbits/sec	[156] 19.0-20.0 sec 240 KBytes 1966 Kbits/sec
[208] 19.0-20.0 sec 240 KBytes 1966 Kbits/sec	[ID] Interval Transfer Bandwidth	[ID] Interval Transfer Bandwidth
[ID] Interval Transfer Bandwidth	[128] 20.0-21.0 sec 240 KBytes 1966 Kbits/sec	[156] 20.0-21.0 sec 240 KBytes 1966 Kbits/sec
[208] 20.0-21.0 sec 240 KBytes 1966 Kbits/sec	[128] 21.0-22.0 sec 240 KBytes 1966 Kbits/sec	[156] 21.0-22.0 sec 240 KBytes 1966 Kbits/sec
[208] 21.0-22.0 sec 248 KBytes 2032 Kbits/sec	[128] 22.0-23.0 sec 240 KBytes 1966 Kbits/sec	[156] 22.0-23.0 sec 248 KBytes 2032 Kbits/sec
[208] 22.0-23.0 sec 240 KBytes 1966 Kbits/sec	[128] 23.0-24.0 sec 240 KBytes 1966 Kbits/sec	[156] 23.0-24.0 sec 240 KBytes 1966 Kbits/sec
[208] 23.0-24.0 sec 240 KBytes 1966 Kbits/sec	[128] 24.0-25.0 sec 248 KBytes 2032 Kbits/sec	[156] 24.0-25.0 sec 240 KBytes 1966 Kbits/sec
[208] 24.0-25.0 sec 240 KBytes 1966 Kbits/sec	[128] 25.0-26.0 sec 240 KBytes 1966 Kbits/sec	[156] 25.0-26.0 sec 240 KBytes 1966 Kbits/sec
[208] 25.0-26.0 sec 240 KBytes 1966 Kbits/sec	[128] 26.0-27.0 sec 240 KBytes 1966 Kbits/sec	[156] 26.0-27.0 sec 240 KBytes 1966 Kbits/sec
[208] 26.0-27.0 sec 248 KBytes 2032 Kbits/sec	[128] 27.0-28.0 sec 240 KBytes 1966 Kbits/sec	[156] 27.0-28.0 sec 248 KBytes 2032 Kbits/sec
[208] 27.0-28.0 sec 240 KBytes 1966 Kbits/sec	[128] 28.0-29.0 sec 240 KBytes 1966 Kbits/sec	[156] 28.0-29.0 sec 240 KBytes 1966 Kbits/sec
[208] 28.0-29.0 sec 240 KBytes 1966 Kbits/sec	[128] 29.0-30.0 sec 248 KBytes 2032 Kbits/sec	[156] 29.0-30.0 sec 240 KBytes 1966 Kbits/sec
[208] 29.0-30.0 sec 240 KBytes 1966 Kbits/sec	[128] 30.0-31.0 sec 240 KBytes 1966 Kbits/sec	[156] 30.0-31.0 sec 240 KBytes 1966 Kbits/sec
[208] 30.0-31.0 sec 240 KBytes 1966 Kbits/sec	[128] 31.0-32.0 sec 240 KBytes 1966 Kbits/sec	[156] 31.0-32.0 sec 248 KBytes 2032 Kbits/sec
[208] 31.0-32.0 sec 248 KBytes 2032 Kbits/sec	[128] 32.0-33.0 sec 240 KBytes 1966 Kbits/sec	[156] 32.0-33.0 sec 240 KBytes 1966 Kbits/sec
[208] 32.0-33.0 sec 240 KBytes 1966 Kbits/sec	[128] 33.0-34.0 sec 240 KBytes 1966 Kbits/sec	[156] 33.0-34.0 sec 248 KBytes 2032 Kbits/sec
[208] 33.0-34.0 sec 240 KBytes 1966 Kbits/sec	[128] 34.0-35.0 sec 248 KBytes 2032 Kbits/sec	[156] 34.0-35.0 sec 240 KBytes 1966 Kbits/sec
[208] 34.0-35.0 sec 240 KBytes 1966 Kbits/sec	[128] 35.0-36.0 sec 240 KBytes 1966 Kbits/sec	[156] 35.0-36.0 sec 240 KBytes 1966 Kbits/sec

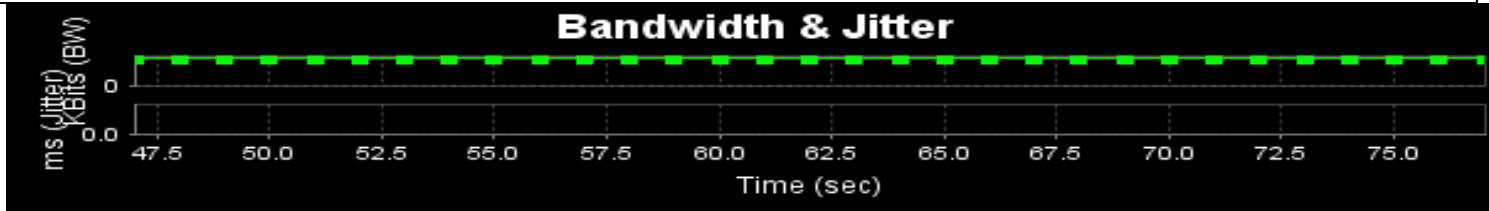
```
[208] 35.0-36.0 sec 240 KBytes 1966 Kbits/sec
[208] 36.0-37.0 sec 248 KBytes 2032 Kbits/sec
[208] 37.0-38.0 sec 240 KBytes 1966 Kbits/sec
[208] 38.0-39.0 sec 240 KBytes 1966 Kbits/sec
[208] 39.0-40.0 sec 240 KBytes 1966 Kbits/sec
[148] local 192.168.2.20 port 5001 connected with
192.168.1.30 port 30082
[ ID] Interval Transfer Bandwidth
[208] 40.0-41.0 sec 240 KBytes 1966 Kbits/sec
[208] 41.0-42.0 sec 248 KBytes 2032 Kbits/sec
[208] 42.0-43.0 sec 240 KBytes 1966 Kbits/sec
[208] 43.0-44.0 sec 240 KBytes 1966 Kbits/sec
[208] 44.0-45.0 sec 240 KBytes 1966 Kbits/sec
[208] 45.0-46.0 sec 240 KBytes 1966 Kbits/sec
[208] 46.0-47.0 sec 240 KBytes 1966 Kbits/sec
[148] 0.0- 1.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 1.0- 2.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 2.0- 3.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 3.0- 4.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 4.0- 5.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 5.0- 6.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 47.0-48.0 sec 248 KBytes 2032 Kbits/sec
[208] 48.0-49.0 sec 240 KBytes 1966 Kbits/sec
[208] 49.0-50.0 sec 240 KBytes 1966 Kbits/sec
[208] 50.0-51.0 sec 240 KBytes 1966 Kbits/sec
[208] 51.0-52.0 sec 240 KBytes 1966 Kbits/sec
[208] 52.0-53.0 sec 240 KBytes 1966 Kbits/sec
[208] 53.0-54.0 sec 248 KBytes 2032 Kbits/sec
[ ID] Interval Transfer Bandwidth
[208] 54.0-55.0 sec 240 KBytes 1966 Kbits/sec
[208] 55.0-56.0 sec 240 KBytes 1966 Kbits/sec
[208] 56.0-57.0 sec 240 KBytes 1966 Kbits/sec
[208] 57.0-58.0 sec 240 KBytes 1966 Kbits/sec
[208] 58.0-59.0 sec 248 KBytes 2032 Kbits/sec
[148] 6.0- 7.0 sec 1.43 KBytes 11.7 Kbits/sec
[148] 7.0- 8.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 8.0- 9.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 9.0-10.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 10.0-11.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 11.0-12.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 12.0-13.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 13.0-14.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 14.0-15.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 15.0-16.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 16.0-17.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 17.0-18.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 18.0-19.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 59.0-60.0 sec 240 KBytes 1966 Kbits/sec
[208] 60.0-61.0 sec 240 KBytes 1966 Kbits/sec
[ ID] Interval Transfer Bandwidth
[208] 61.0-62.0 sec 240 KBytes 1966 Kbits/sec
[208] 62.0-63.0 sec 240 KBytes 1966 Kbits/sec
[208] 63.0-64.0 sec 240 KBytes 1966 Kbits/sec
[208] 64.0-65.0 sec 248 KBytes 2032 Kbits/sec
[268] local 192.168.2.20 port 5001 connected with
192.168.1.30 port 30086
[ ID] Interval Transfer Bandwidth
[148] 19.0-20.0 sec 1.43 KBytes 11.7 Kbits/sec
[148] 20.0-21.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 21.0-22.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 22.0-23.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 23.0-24.0 sec 0.00 KBytes 0.00 Kbits/sec
[148] 24.0-25.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 65.0-66.0 sec 240 KBytes 1966 Kbits/sec
[208] 66.0-67.0 sec 240 KBytes 1966 Kbits/sec
[208] 67.0-68.0 sec 240 KBytes 1966 Kbits/sec
[208] 68.0-69.0 sec 240 KBytes 1966 Kbits/sec
[208] 69.0-70.0 sec 240 KBytes 1966 Kbits/sec
[208] 70.0-71.0 sec 248 KBytes 2032 Kbits/sec
[208] 71.0-72.0 sec 240 KBytes 1966 Kbits/sec
[268] 0.0- 1.0 sec 0.02 KBytes 0.19 Kbits/sec
[268] 1.0- 2.0 sec 0.00 KBytes 0.00 Kbits/sec
[268] 2.0- 3.0 sec 0.00 KBytes 0.00 Kbits/sec
[268] 3.0- 4.0 sec 0.00 KBytes 0.00 Kbits/sec
[268] 4.0- 5.0 sec 0.00 KBytes 0.00 Kbits/sec
[268] 5.0- 6.0 sec 0.00 KBytes 0.00 Kbits/sec
[208] 72.0-73.0 sec 240 KBytes 1966 Kbits/sec
[ ID] Interval Transfer Bandwidth
[208] 73.0-74.0 sec 240 KBytes 1966 Kbits/sec
[208] 74.0-75.0 sec 240 KBytes 1966 Kbits/sec
[208] 75.0-76.0 sec 240 KBytes 1966 Kbits/sec
```

```
[128] 36.0-37.0 sec 240 KBytes 1966 Kbits/sec
[128] 37.0-38.0 sec 240 KBytes 1966 Kbits/sec
[128] 38.0-39.0 sec 240 KBytes 1966 Kbits/sec
[128] 39.0-40.0 sec 248 KBytes 2032 Kbits/sec
[ ID] Interval Transfer Bandwidth
[128] 40.0-41.0 sec 240 KBytes 1966 Kbits/sec
[128] 41.0-42.0 sec 240 KBytes 1966 Kbits/sec
[128] 42.0-43.0 sec 240 KBytes 1966 Kbits/sec
[128] 43.0-44.0 sec 240 KBytes 1966 Kbits/sec
[128] 44.0-45.0 sec 248 KBytes 2032 Kbits/sec
[128] 45.0-46.0 sec 240 KBytes 1966 Kbits/sec
[128] 46.0-47.0 sec 240 KBytes 1966 Kbits/sec
[128] 47.0-48.0 sec 240 KBytes 1966 Kbits/sec
[128] 48.0-49.0 sec 240 KBytes 1966 Kbits/sec
[128] 49.0-50.0 sec 240 KBytes 1966 Kbits/sec
[128] 50.0-51.0 sec 248 KBytes 2032 Kbits/sec
[128] 51.0-52.0 sec 240 KBytes 1966 Kbits/sec
[128] 52.0-53.0 sec 240 KBytes 1966 Kbits/sec
[128] 53.0-54.0 sec 240 KBytes 1966 Kbits/sec
[128] 54.0-55.0 sec 240 KBytes 1966 Kbits/sec
[128] 55.0-56.0 sec 240 KBytes 1966 Kbits/sec
[128] 56.0-57.0 sec 248 KBytes 2032 Kbits/sec
[128] 57.0-58.0 sec 240 KBytes 1966 Kbits/sec
[128] 58.0-59.0 sec 240 KBytes 1966 Kbits/sec
[128] 59.0-60.0 sec 240 KBytes 1966 Kbits/sec
[ ID] Interval Transfer Bandwidth
[128] 60.0-61.0 sec 240 KBytes 1966 Kbits/sec
[128] 61.0-62.0 sec 240 KBytes 1966 Kbits/sec
[128] 62.0-63.0 sec 240 KBytes 1966 Kbits/sec
[128] 63.0-64.0 sec 248 KBytes 2032 Kbits/sec
[128] 64.0-65.0 sec 240 KBytes 1966 Kbits/sec
[128] 65.0-66.0 sec 240 KBytes 1966 Kbits/sec
[128] 66.0-67.0 sec 240 KBytes 1966 Kbits/sec
[128] 67.0-68.0 sec 240 KBytes 1966 Kbits/sec
[128] 68.0-69.0 sec 240 KBytes 1966 Kbits/sec
[128] 69.0-70.0 sec 248 KBytes 2032 Kbits/sec
[128] 70.0-71.0 sec 240 KBytes 1966 Kbits/sec
[128] 71.0-72.0 sec 240 KBytes 1966 Kbits/sec
[128] 72.0-73.0 sec 240 KBytes 1966 Kbits/sec
[128] 73.0-74.0 sec 240 KBytes 1966 Kbits/sec
[128] 74.0-75.0 sec 240 KBytes 1966 Kbits/sec
[128] 75.0-76.0 sec 240 KBytes 1966 Kbits/sec
[128] 76.0-77.0 sec 240 KBytes 1966 Kbits/sec
Done.
```

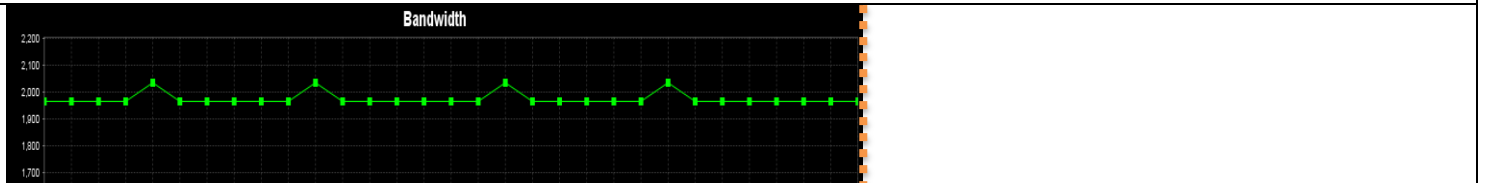
[208]	76.0-77.0 sec	240 KBytes	1966 Kbits/sec
[148]	25.0-26.0 sec	1.43 KBytes	11.7 Kbits/sec
[148]	26.0-27.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	27.0-28.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	28.0-29.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	29.0-30.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	30.0-31.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	31.0-32.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	32.0-33.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	33.0-34.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	34.0-35.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	35.0-36.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	36.0-37.0 sec	0.00 KBytes	0.00 Kbits/sec
[148]	0.0-37.3 sec	4.30 KBytes	0.94 Kbits/sec
[268]	6.0- 7.0 sec	1.43 KBytes	11.7 Kbits/sec
[268]	7.0- 8.0 sec	0.00 KBytes	0.00 Kbits/sec
[268]	8.0- 9.0 sec	0.00 KBytes	0.00 Kbits/sec
[19]	Interval	Transfer	Bandwidth
[268]	9.0-10.0 sec	0.00 KBytes	0.00 Kbits/sec
[268]	10.0-11.0 sec	0.00 KBytes	0.00 Kbits/sec
[268]	11.0-12.0 sec	72.3 KBytes	592 Kbits/sec
[268]	12.0-13.0 sec	238 KBytes	1952 Kbits/sec
[268]	13.0-14.0 sec	248 KBytes	2032 Kbits/sec
[268]	14.0-15.0 sec	240 KBytes	1966 Kbits/sec
[268]	15.0-16.0 sec	240 KBytes	1966 Kbits/sec
[268]	16.0-17.0 sec	240 KBytes	1966 Kbits/sec
[268]	17.0-18.0 sec	240 KBytes	1966 Kbits/sec
[268]	18.0-19.0 sec	240 KBytes	1966 Kbits/sec
[268]	19.0-20.0 sec	248 KBytes	2032 Kbits/sec
[268]	20.0-21.0 sec	240 KBytes	1966 Kbits/sec
[268]	21.0-22.0 sec	240 KBytes	1966 Kbits/sec

Done.

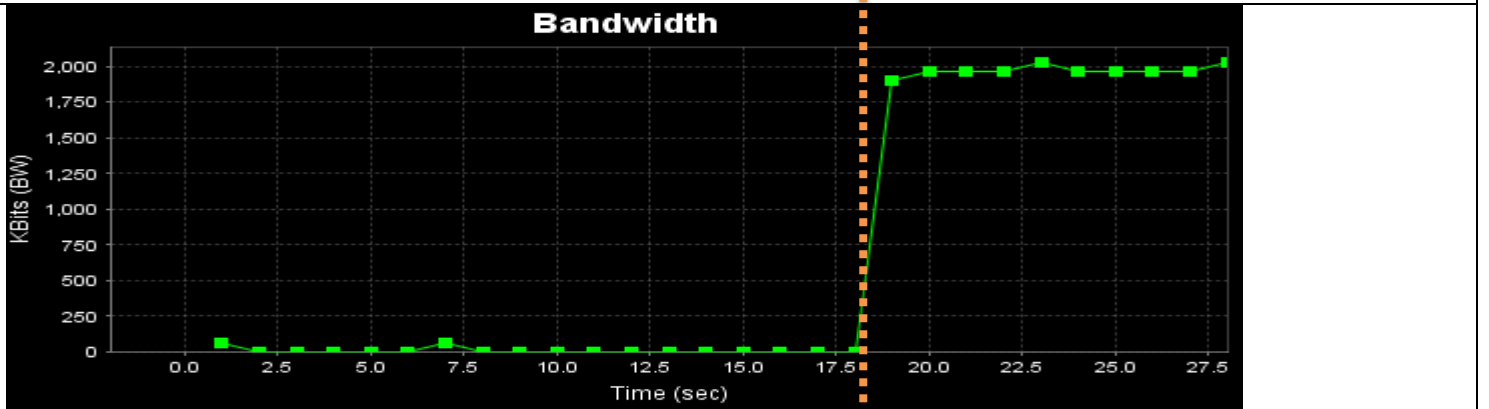
#### HOST A



#### HOST B



#### HOST C



## Configuration files:

<pre>Cisco Router 2811 / Lab equipment  Router1&gt;enable Router1#show run Building configuration...  Current configuration : 1315 bytes ! version 12.4 service timestamps debug datetime msec service timestamps log datetime msec no service password-encryption ! hostname Router1 ! boot-start-marker boot-end-marker ! ! card type command needed for slot/vwic-slot 0/1 ! no aaa new-model ! ip cef ! no ip domain lookup ! class-map match-all dscpAF11  match dscp af11 class-map match-all HI-PRI  match cos 5 ! ! policy-map serial  class dscpAF11   bandwidth percent 50  class class-default   fair-queue policy-map marker  class HI-PRI   set dscp af11 ! ! ! interface FastEthernet0/0  no ip address  duplex auto  speed auto ! interface FastEthernet0/0.2</pre>	<pre>Cisco Router 2610 / Lab equipment  User Access Verification  Router2&gt;enable Router2#show run Building configuration...  Current configuration : 1286 bytes ! version 12.4 service timestamps debug datetime msec service timestamps log datetime msec no service password-encryption ! hostname Router2 ! boot-start-marker boot-end-marker ! ! no aaa new-model no network-clock-participate slot 1 network-clock-participate wic 0 ip cef ! ! controller E1 0/0  channel-group 0 unframed ! controller E1 0/1 ! ! class-map match-all dscpAF11  match dscp af11 class-map match-all HI-PRI  match cos 5 ! ! policy-map serial  class dscpAF11   bandwidth percent 50  class class-default   fair-queue policy-map marker  class HI-PRI   set dscp af11 ! ! !</pre>
--	--

```
encapsulation dot1Q 2
ip address 172.16.5.130 255.255.240.0
!
interface FastEthernet0/0.3
encapsulation dot1Q 3
ip address 192.168.1.1 255.255.255.0
service-policy input marker
!
interface FastEthernet0/1
no ip address
shutdown
duplex auto
speed auto
!
interface Serial0/0/0
bandwidth 2000
ip address 172.23.0.2 255.255.255.252
service-policy output serial
!
ip route 192.168.2.0 255.255.255.0 Serial0/0/0
!
no ip http server
!
!
control-plane
!
banner exec ^C ^C
banner motd ^C Cisco Router 2811 / Lab equipment ^C
scheduler allocate 20000 1000
!
end
```

```
!
!
interface FastEthernet0/0
no ip address
duplex auto
speed auto
!
interface FastEthernet0/0.1
encapsulation dot1Q 2
ip address 172.16.5.131 255.255.240.0
!
interface FastEthernet0/0.3
encapsulation dot1Q 4
ip address 192.168.2.1 255.255.255.0
service-policy input marker
!
interface Serial0/0:0
ip address 172.23.0.1 255.255.255.252
service-policy output serial
!
ip route 192.168.1.0 255.255.255.0 Serial0/0:0
!
!
no ip http server
no ip http secure-server
!
!
control-plane
!
!
banner motd ^C Cisco Router 2610 / Lab equipment ^C
!
end
```