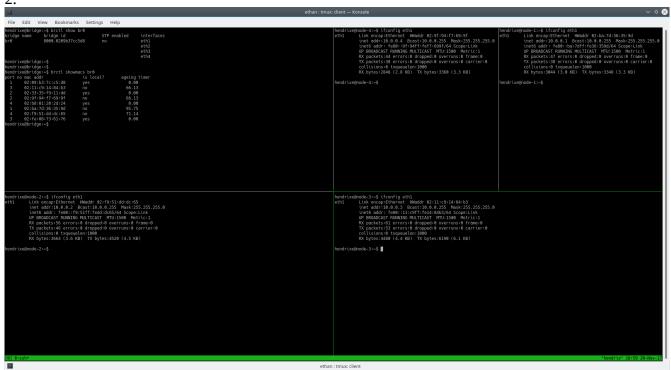
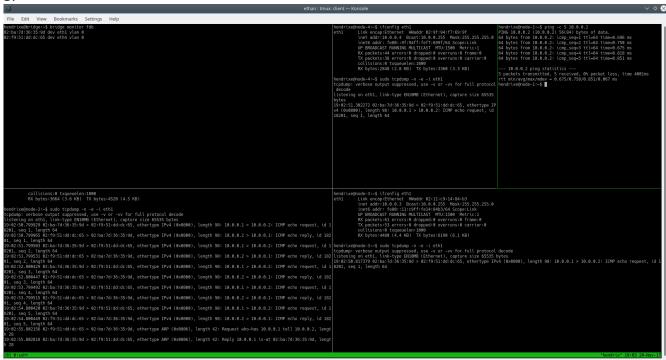
<b>y</b>	ethan : tmux: client — Konsole
File Edit View Bookmarks Settings Help	
Rendriuse ridge -s  brett  show here   bridge  sale   Rendriuse  sale   Rendriuse	handrixe@node-4:-\$ handrixe@node
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.  Bendrive@node=2:-\$ ping =< 3 10.8.01 PING 10.8.01 [10.8.0.1] SG(14) bytes of data.	Ubuntu comes with ABSGUITELY NO MAGRANTY, to the extent permitted by applicable law.  hendrixmgnode-3:-\$ ping -c 3 10.0.0.1 PING 10.0.1.110.0.0.1) 36(84) bytes of data.
64 bytes from 10.8.0.1: icmp_seq_1 ttl-64 time=0.804 ms 64 bytes from 10.8.0.1: icmp_seq2 ttl-64 time=0.771 ms 64 bytes from 10.8.0.1: icmp_seq-3 ttl=64 time=0.805 ms	64 bytes from 10.0.0.1: (top. seeq-1 ttl-64 time-0.663 ms 64 bytes from 10.0.0.1: (top. seeq-2 ttl-64 time-0.622 ms 64 bytes from 10.0.0.1: (top. seeq-3 ttl-64 time-0.615 ms
18.00 plmp statistics 3 packet loss, time 2001ms rtt min/avg/max/maker -0.771/8.849/8.859/6.099 ms hendriv@nobe-2	10.4.0.1 ping statistics 3 packets transitted, 3 received, 0% packet loss, time 2001ms rtt mir/awy/max/max/max/max/max/max/max/max/max/max
18.0.3 ping statistics 3 packet loss, time 2002ms for minutes of the content of the cont	10.8.0.2 ping statistics 3 packers transited, 3 received, 00 packet loss, time 2000ms rtt min/ovy/max/max/mev = 0.759/0.806/0.333/0.804 ms hendrixemploeds-1-5 ping = 2 10.0.0.4 PING 10.0.4.4 (10.0.4) 36(84) bytes of data. 64 bytes from 10.0.0.4.4 (un_seep_lticle time=0.070 ms 64 bytes from 10.0.4.4 (un_seep_lticle time=0.070 ms 64 bytes from 10.0.4.4 (un_seep_lticle time=0.070 ms 64 bytes from 10.0.4.4 (un_seep_lticle time=1.29 ms
10.0.0.4 ping statistics 3 packets transmitted, 3 received, 0% packet loss, time 2001ms rtt infungungander = 0.711/0.777/0.054/0.063 ms hendfixeginde-2 [D] D35537a	10.0.0.4 ping statistics 3 packets transmitted, 3 received, 0% packet loss, time 2001ms rt tain/ayman/indev = 0.770/0.979/1.290/0.226 ms rt tain/ayman/indev = 0.770/0.979/1.290/0.226 ms received to the control of the contro

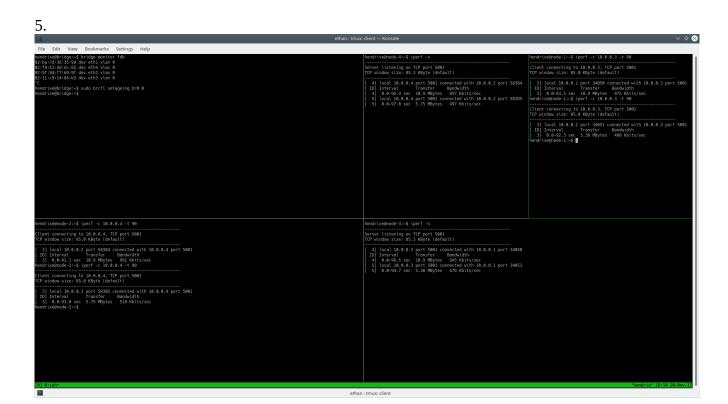
7



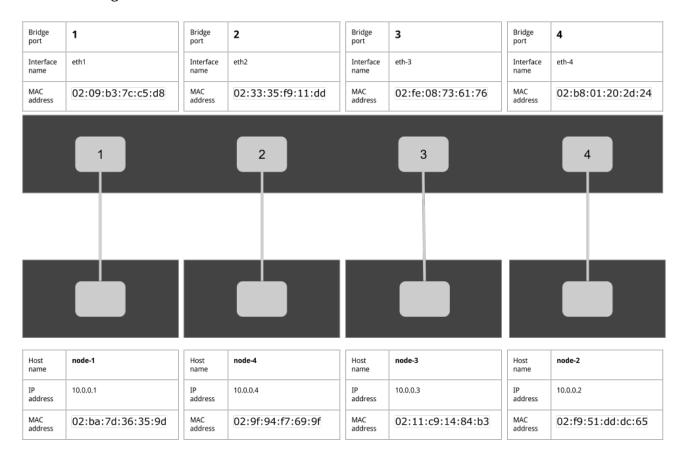


## 4.

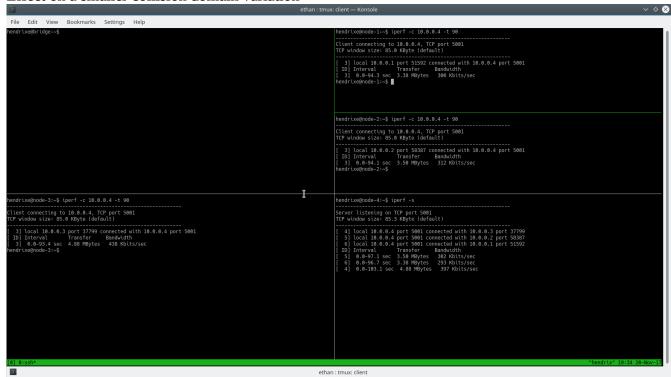
4.		
ethan: tmux: client — Konsole		
File Edit View Bookmarks Settings Help		
Pendri Lucidir-Lidge: -\$ bridge monttor fdb 02.19513 (dod - 10.1951) 02.19513 (dod - 10.1951) 02.19513 (dod - 10.1951) 03.19513 (dod - 10.1951) 03	hendrixe@node-4:~\$ iperf -s	hendrixe@node-1:~\$ iperf -c 10.0.0.3 -t 90
	Server listening on TCP port 5001 TCP window size: 85.3 KByte (default)	Client connecting to 10.0.0.3, TCP port 5001 TCP window size: 85.0 KByte (default)
A-111-7-7-8-19-10-2-30-8-10-10-10-10-10-10-10-10-10-10-10-10-10-	[ 4] local 18.0.0.4 port 5801 connected with 18.0.0.2 port 58384 [ 30] Interval Trainfer Bandwidth [ 4] 8.0-95.4 sec 10.9 MBytes 957 kbits/sec	[ 3] local 10.0.1 port 14090 connected with 10.0.0.3 port 5001   ID] Interval Transfer Bandwidth [ 3] 0.0-03.5 sec 10.9 NBytes 975 Kbits/sec hendrize@node-1:-\$
endrixe@node-2:~\$ iperf -c 10.0.0.4 -t 90	hendrixe@node-3:~\$ iperf -s	
lient connecting to 10.0.0.4, TCP port 5001 CP window size: 85.0 KByte (default)	Server listening on TCP port 5001 TCP window size: 85.3 KByte (default)	
3] local 10.0.0.2 port \$8384 connected with 10.0.0.4 port 5001 1D] Interval Transfer Bandwidth 3] 0.0-02.1 poet 10.9 MBytes 991 Mbits/sec endfriu@pnode-26	[ 4] local 10.0.0.3 port 5001 connected with 10.0.0.1 port 34050 [ 10] Interval Transfer Bandwidth [ 4] 0.0-96.5 sec 10.9 MBytes 945 Kbits/sec	
0:ssh*		"hendrix" 19:10 20-Nov-1
	ethan : tmux: client	



## Switch Learning Table



Effect on a smaller collision domain variation



With MAC learning on, each transmitter sees relatively the same bandwith (~300Kbits/sec). Some of these may be more or less, but they all hover around this benchmark. Without MAC learning on, the bridge cannot offer consistent and efficient performance to each of the transmitters and receiver, because it must broadcast every time to determine where a frame is traveling. With MAC learning on, however, the bridge can learn where frames are going based upon their destination MAC address, and it will not have to determine this every time it receives a frame (assuming that the destination MAC is already in its MAC table).