Projeto de Topologia em Mininet

sudo mn --topo tree.depth=4,fanout=2 --link tc,bw=25

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mininet@mininet-um:"$ sudo mn --topo tree,depth=4,fanout=2 --mac --link tc,bw=25

**** Creating network

**** Adding controller

**** Adding hosts:
h1 h2 h3 h4 h5 h6 h7 h8 h9 h10 h11 h12 h13 h14 h15 h16

**** Adding switches:
s1 s2 s3 s4 s5 s6 s7 s8 s9 s10 s11 s12 s13 s14 s15

**** Adding links:
(25.00Mbit) (25.00Mbit) (s1, s2) (25.00Mbit) (25.00Mbit) (s1, s9) (25.00Mbit) (25.00Mbit) (s2, s3) (
25.00Mbit) (25.00Mbit) (s2, s6) (25.00Mbit) (25.00Mbit) (s3, s4) (25.00Mbit) (25.00Mbit) (s3, s5) (2

5.00Mbit) (25.00Mbit) (s4, h1) (25.00Mbit) (25.00Mbit) (s6, s7) (25.00Mbit) (25.00Mbit) (s5, h3) (25.00Mbit) (25.00Mbit) (s7, h5) (25.00Mbit) (25.00Mbit) (s6, s7) (25.00Mbit) (25.00Mbit) (s6, s8) (25.00Mbit) (25.00Mbit) (s7, h5) (25.00Mbit) (25.00Mbit) (s7, h6) (25.00Mbit) (25.00Mbit) (s8, h7) (25.00Mbit) (25
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dump

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) (25.00Mbit) (25.
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h1 ifconfig

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h16 ifconfig

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TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

nininet) h0 ifcont ig

RV packets 0 bytes 0 (0.0 monthant 10:255.255.255

rx packets 0 bytes 0 (0.0 m)

TX packets 0 bytes 0 (0.0 m)

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 frame 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 frame 0

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TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carrier 0 collisions 0

TX packets 0 bytes 0 (0.0 m)

TX errors 0 dropped 0 overrums 0 carr
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s1 ifconfig

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s8-eth2: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
ether fe:ee:03:f4:4b:39 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

s8-eth3: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
ether 16:1c:2a:6a:05:87 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

s9-eth1: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
ether ee: b2:bf a0:381:bb txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

s9-eth2: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
ether da:d0:46:b2:59:01 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
IX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

s9-eth3: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
ether da:d0:46:bf:30:373:d5 txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
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RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
IX packets 0 bytes 0 (0.0 B)
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pingall

h1 ping -c 4 h2