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Testing Conncetivity
mininet@mininet-vm:~$ sudo mn
*** Creating network
*** Adding controller
*** Adding hosts:
h1 h2
*** Adding switches:
s1
*** Adding links:
(h1, s1) (h2, s1)
*** Configuring hosts
h1 h2
*** Starting controller
*** Starting 1 switches
*** Starting CLI:
mininet> h1 ping h2
PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.
64 bytes from 10.0.0.2: icmp_req=1 ttl=64 time=2.40 ms
64 bytes from 10.0.0.2: icmp_req=2 ttl=64 time=0.038 ms
64 bytes from 10.0.0.2: icmp_req=3 ttl=64 time=0.032 ms
^C
--- 10.0.0.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2000ms
rtt min/avg/max/mdev = 0.032/0.825/2.407/1.118 ms
Change Subnetting
mininet> h ifconfig h1-eth0 10.2.2.2/24
*** Unknown command: h ifconfig h1-eth0 10.2.2.2/24
mininet> h2 ifconfig h2-eth0 10.2.2.2/24
mininet> h1 ping h2
PING 10.2.2.2 (10.2.2.2) 56(84) bytes of data.
From 10.0.0.1 icmp_seq=1 Destination Host Unreachable
From 10.0.0.1 icmp_seq=2 Destination Host Unreachable
From 10.0.0.1 icmp_seq=3 Destination Host Unreachable
From 10.0.0.1 icmp seq=4 Destination Host Unreachable
From 10.0.0.1 icmp_seq=5 Destination Host Unreachable
From 10.0.0.1 icmp seq=6 Destination Host Unreachable
^C
--- 10.2.2.2 ping statistics ---
8 packets transmitted, 0 received, +6 errors, 100% packet loss, time 7037ms
pipe 3
Traceroute
mininet> h1 traceroute h2
traceroute to 10.2.2.2 (10.2.2.2), 30 hops max, 60 byte packets
1 10.0.0.1 (10.0.0.1) 2997.339 ms !H 2997.315 ms !H 2997.312 ms !H
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ARP

mininet> h1 arp h2

10.2.2.2 (10.2.2.2) -- no entry



