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Run python script

Sudo –E python2.7 create\_net.py

Remove all existing flows

mininet> sh ovs-ofctl del-flows s1

mininet> sh ovs-ofctl del-flows s2

Add a bi-directional flow specifying the source and destination MAC addresses

mininet> sh ovs-ofctl add-flow s1 dl\_src=00:00:00:00:00:01,dl\_dst=00:00:00:00:00:02,actions=output:2

mininet> sh ovs-ofctl add-flow s2 dl\_src=00:00:00:00:00:01,dl\_dst=00:00:00:00:00:02,actions=output:1

mininet> sh ovs-ofctl add-flow s1 dl\_src=00:00:00:00:00:02,dl\_dst=00:00:00:00:00:01,actions=output:1

mininet> sh ovs-ofctl add-flow s2 dl\_src=00:00:00:00:00:02,dl\_dst=00:00:00:00:00:01,actions=output:2

Add a flow to allow ARP requests:

* dl\_type - Specifies an Ethernet protocol type. *0x806* translates to ARP packets.
* nw\_proto - Specifies the network protocol. *1* indicates ICMP packets.
* actions=flood - Specifies the *flood* action class which sends packets to all existing ports except the ingress port.

mininet> sh ovs-ofctl add-flow s1 dl\_type=0x806,nw\_proto=1,actions=flood

mininet> sh ovs-ofctl add-flow s2 dl\_type=0x806,nw\_proto=1,actions=flood

ping test

mininet> host1 ping -c3 host2

mininet> host2 ping -c3 host1