HW09

#! /bin/bash

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# ECN: adunker

# HW: 9

# Filename: Dunker\_hw09.sh

# Due Date: 03/29/2015

#PLACE NO RESTRICTION ON OUTBOUND PACKETS

iptables **-**I OUTPUT 1 **-**j ACCEPT

#BLOCK A LIST OF SPECIFIC IP ADDRESSES FOR ALL INCOMING CONNECTIONS

iptables -A INPUT -s 48**.**0**.**0**.**0**/**64**.**255**.**255**.**255 **-**j DROP

#BLOCK YOUR COMPUTER FROM BEING PINGED BY ALL OTHER HOSTS

iptables -A INPUT -p icmp **--**icmp-type echo-request **-**j REJECT

#SETUP PORT FORWARDING FROM AN UNUSED PORT OF CHOICE TO PORT 22

iptables -t nat -A PREROUTING -p tcp **--**dport 7800 **-**j DNAT **--**to 128**.**46**.**4**.**85**:**22

iptables -A INPUT -p tcp **--**dport 7800 **-**j ACCEPT

iptables -A FORWARD -p tcp **--**dport 22 **-**j ACCEPT

#ALLOW FOR SSH ACCES TO YOUR MACHINE FROM ONLY ECN

iptables -A INPUT -p tcp **--**dport 22 **-**j REJECT

iptables -A INPUT -s ecn.purdue.edu -p tcp **--**dport 22 **-**j ACCEPT

#HTTP ONLY ALLOWS A SINGLE IP ADDRESS

iptables -A INPUT -p tcp **--**dport 80 **-**j REJECT

iptables -A INPUT -p tcp -s 128**.**46**.**4**.**85 **--**dport 80 **-**j ACCEPT

#PERMIT AUTH/IDENT ON PORT 113

iptables -A INPUT -p tcp **-**m tcp **--**syn **--**dport 113 **-**j ACCEPT