Cybersecurity

Bootcamp

Project-2022

Write Your Own Bash Script to change mac address

--Changing mac address is one command: sudo ifconfig "$INTERFACE" ether "$NEW

script gives a simpler interface

mac-incr # increase the MAC address

mac-incr -d # decrease the MAC address

#!/usr/bin/env bash

set -e

INTERFACE="en0"

function mac\_add\_delta() {

local mac="0x${1//\:/}"

local delta="$2"

local new\_mac="$(printf "%x" $((mac + delta)))" # no 0x

echo "${new\_mac:0:2}:${new\_mac:2:2}:${new\_mac:4:2}:${new\_mac:6:2}:${new\_mac:8:2}:${new\_mac:10:2}"

}

if [[ $1 == "-d" ]]; then

DELTA="-1"

else

DELTA="+1"

fi

MAC=$(ifconfig "$INTERFACE" | grep ether | tr -d ' \t' | cut -c 6-42)

NEW\_MAC=$(mac\_add\_delta "$MAC" "$DELTA")

echo "$INTERFACE old mac: $MAC"

echo "$INTERFACE new mac: $NEW\_MAC"

echo "Applying setting with sudo"

sudo ifconfig "$INTERFACE" ether "$NEW\_MAC