

CIS 76 Ethical Hacking Lab Exercise

Lab X2 - Packet Crafting with Hping Fall 2017

Lab X2 - Packet Crafting with Hping

This lab provides more practice with the Hping3 tool.

Warning and Permission

**Unauthorized hacking can result in
prison terms, large fines, lawsuits and
being dropped from this course!**

For this lab, you have authorization to hack the VMs in the associated Netlab+ pod.

Preparation

- 1) Reserve a Netlab+ pod for the maximum amount of time for this lab:
NDG Lab 17: Packet Crafting with Hping
You can always release it if you finish early.

Part 1 – hping3

- 1) Follow steps 1-8 which use hping3 and view the resulting network activity with tcpdump.
- 2) Use Ctrl-C to stop tcpdump.
- 3) Start a Wireshark on eth0.
- 4) Document in your lab report the following commands:
 - a. `hping3 -l -c 4 192.168.68.12`
 - b. `hping3 -l -c 4 -V -C 13 192.168.68.12`
 - c. `hping3 -l -c 4 -V -T 192.168.68.12`
 - d. `hping3 -S -c 1 -V -s 5151 -p 80 192.168.68.12`
 - e. `hping3 -S -c 1 -V -s 5151 -p 23 192.168.68.12`

For each command, provide one line on what each option does and a Wireshark capture showing the related network traffic.

As an example you can see Benji Simms' report here:
<https://simms-teach.com/docs/cis76/cis76-labX2-simben76.pdf>

Submit your work

1) Email your report to: **risimms@cabrillo.edu**

Remember **late work is not accepted**. If you run out of time submit what you have completed for partial credit.

Grading Rubric (6 points)

5 points for documenting each of the five hping3 commands with a Wireshark capture.
1 point for including one-line option explanations for each command.