

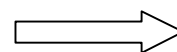
Attack-TCP Lab Questionnaire

You are being asked to complete this questionnaire because you have just finished the TCP Attack lab. The purpose of this survey is to help us understand how effectively this lab has enhanced your learning in computer security. The survey is anonymous. Your responses are not related in any way to the grade you will receive on the lab. Your participation in this survey is greatly appreciated.

Learning objective of this lab: *Upon completion of this lab, students should be able to explain why the TCP protocol was/is vulnerable, how to exploit those vulnerabilities, and how these vulnerabilities can be (or have been) fixed.*

1. What is your level of familiarity with Unix?
 No Experience Know some commands Have application-level development experience
 Have kernel-level development experience
2. My preparation and ability were sufficient for me to successfully understand the lab.
 Strongly disagree Disagree Neutral Agree Strongly agree
3. The lab instructions were clear.
 Strongly disagree Disagree Neutral Agree Strongly agree
4. The level of difficulty of the lab was:
 Very easy Somewhat easy Average Somewhat difficult Very difficult
5. What was your level of interest in the lab?
 Very low Low Average High Very high
6. Approximately, how many hours did you spend on the lab?
 ≤ 20 hours 21-30 hours 31-40 hours 41-50 hours 51-60 hours
 61-70 hours 71-80 hours 81-90 hours 91-100 hours > 100 hours
7. The time you spent on the lab was worthwhile.
 Strongly disagree Disagree Neutral Agree Strongly agree
8. What was the most time consuming part of the lab?

9. The lab was a valuable part of this course.
 Strongly disagree Disagree Neutral Agree Strongly agree
10. As a result of the lab, I am more interested in computer security.
 Strongly disagree Disagree Neutral Agree Strongly agree



Please turn to the next page.

11. Please rate your level of understanding in the following areas *prior to completing this lab* and your level of understanding *after completing this lab*.

Understanding <i>Prior to Lab</i>						Understanding <i>After Lab</i>				
Low				High		Low				High
1	2	3	4	5	a) Vulnerabilities in networks	1	2	3	4	5
1	2	3	4	5	b) Vulnerabilities in TCP and UDP	1	2	3	4	5
1	2	3	4	5	c) Vulnerabilities in protocol designs	1	2	3	4	5
1	2	3	4	5	d) Importance of randomizing sequence numbers	1	2	3	4	5
1	2	3	4	5	e) Importance of randomizing source port numbers	1	2	3	4	5
1	2	3	4	5	f) Port scanning	1	2	3	4	5
1	2	3	4	5	g) Operating system fingerprinting	1	2	3	4	5
1	2	3	4	5	h) Security testing	1	2	3	4	5

12. Overall, I have attained the learning objectives of the lab (see the learning objectives on Page 1)

Strongly disagree Disagree Neutral Agree Strongly agree

13. Which aspects of the lab were most valuable to your learning?

14. What problems did you encounter in completing the lab?

15. What changes could be made to the lab to enhance your learning?

16. What was the most important thing you learned from the lab experience?