IPSec Lab Questionnaire

You are being asked to complete this questionnaire because you have just finished the IPSec 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: The learning objective of this lab is for students to integrate a number of essential security principles in the implementation of IPSec, including encryption, one-way hashing, integrity, authentication, key management, and key exchange.

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.

<table>
<thead>
<tr>
<th>Understanding Prior to Lab</th>
<th>Understanding After Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low 1 2 3 4 5 High</td>
<td>Low 1 2 3 4 5 High</td>
</tr>
<tr>
<td>a) Encryption</td>
<td>a) Encryption</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>b) One-way Hash Function</td>
<td>b) One-way Hash Function</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>c) Message Authentication Code</td>
<td>c) Message Authentication Code</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>d) Key Management</td>
<td>d) Key Management</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>e) IPSec protocols</td>
<td>e) IPSec protocols</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>f) IP protocol</td>
<td>f) IP protocol</td>
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<tr>
<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>g) Integration of security mechanisms with systems</td>
<td>g) Integration of security mechanisms with systems</td>
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<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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<tr>
<td>h) Virtual Private Network (VPN)</td>
<td>h) Virtual Private Network (VPN)</td>
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<td>1 2 3 4 5</td>
<td>1 2 3 4 5</td>
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</tbody>
</table>

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?