CSc 466/566 Computer Security

Assignment 4

Due 23:59, May 2, 2012
Worth 5% (ugrads), 5% (grads)

Christian Collberg
Department of Computer Science, University of Arizona

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1. Introduction

In this assignment we'll study packet sniffing/spoofing and SQL Injection.

- This is an individual assignment. You cannot collaborate with anyone or get help from any human other than the TA and the instructor.

- In this assignment you will use the same VM you used in part A of assignment 3.

    NOTE: Use screenshots whenever necessary to describe your observations.

2. Packet Sniffing and Spoofing

1. Go to `http://www.cis.syr.edu/~wedu/seed/Labs/Sniffing_Spoofing` and download the instructions for the exercise.

2. For problem 3 submit screenshots to explain the difference between promiscuous and non-promiscuous modes.

3. For problems 4, 5, and 8 submit a zip-file with the appropriate folders and sub-folders, including the corresponding code.

3. SQL Injection Attack

1. Go to `http://www.cis.syr.edu/~wedu/seed/Labs/Attacks_SQL_Injection` and download the instructions for the exercise.

2. Provide screenshots and a description of what you did in each of the tasks.

3. For task 3, use the code snippet given in the guidelines section to print out the SQL query and identify the reason why the corresponding countermeasures work.