14:332:424 Introduction to Information and Network Security Fall 2017

Assignment 3

Due: Tuesday November 7, 11:55pm

Total: 100 points

Please read Steven Bellovin's paper "Security problem in the TCP/IP suite" https://dl.acm.org/citation.cfm?id=378444.378449 (available via Rutgers network) and answer the following questions.

Q1. Please
   a) choose and explain five security flaws discussed in the paper and,
   b) describe one attack targeting each flaw. (50 pts)
       Please elaborate.

Q2. Please find real-world products that are used to detect, prevent or mitigate these five attacks and explain how to configure the products, in general, to detect, prevent or mitigate each attack in Q1. Please elaborate. (50 pts)