Final Project

Simulated Network Attacks

Due Date: May 16, 5:30 p.m.

(1) Describe the results of your network. In particular, you must
   ● Describe the network structure you have created. This includes
     ● your ip addresses (public and private),
     ● a network diagram,
     ● your firewall scripts (if any),
     ● a list of services running on each machine, and
     ● the accounts and passwords on each machine.
   ● You also must describe what security measures you have used to secure your
     network. In particular, discuss the use of logging servers, intrusion detection
     systems, and host-based firewalls.
   ● Describe how your network can be accessed, by members of the public, and by
     members of your partner network.

(2) Describe your partner network.
   ● Does their network function as expected?
   ● Are their public services functioning?
   ● Are their private services functioning?

(3) Describe what offensive actions you have taken.
   ● Describe what actions you and your team took to subvert other networks.
   ● In particular, provide the details of any successful attacks.

(4) From your logs and intrusion detection information, determine who successfully
    attacked your machines. Describe the attack and the results. Failed attacks do not need
    to be discussed in detail.

Notes

● This is the final project report. One report per team.
● Note that, per the syllabus, the grade counts triple.
● It must be turned in to me no later than 5:30 p.m., on Monday May 16.
  ● Assignments will be accepted in my office (Stephens Hall, 316-K).
  ● If I am unavailable, please deliver it to one of the staff members in the mathematics
    department office (ST 302) who will record the time when the report was
    submitted.
  ● If you want to submit your report electronically, please talk with me first.
● Remember that language, grammar, and formatting all count!