

*Class Project***Generally Accepted System Security Principles**

Download the National Institute of Standards and Technology's (NIST), Generally Accepted Principles and Practices for Securing Information Technology Systems (GASSP). This document is also known as NIST Special Publication (SP) 800-14.[1] After you read this document, create a page in your portfolio that presents the principles and practices.

A table of principles and a table of practices along with a link to NIST SP 800-14 would meet the minimum assignment requirements.

Better pages would briefly explain how the Principles and Practices developed including the OECD's role in their evolution. Ideal portfolios will include a link to a recent security incident and explain how the appropriate application of the Generally Accepted System Security Principles and Practices would have mitigated the incident.

Place a copy of your essay online and make sure that there is a link from your Google Page to the assignment.

[1] <http://csrc.nist.gov/publications/nistpubs/800-14/800-14.pdf>

*Outside Reading***Why Information Security is Hard: An Economic Perspective**

Download and read Ross Anderson's "Why Information Security is Hard."

Ross Anderson begins this paper by presenting two opposing views. One view is that information security comes down to technical measures. That is, given better access control policy models, formal cryptographic proofs, and so forth ... that the information security problem can be solved. Another perspective is that information insecurity is at least as much due to perverse incentives. That is, that many security problems can be better understood in economic terms. And that perhaps, at least part of, the solution lies in changing current economic dynamics.

Your assignment is to:
Briefly state Ross Anderson's thesis.

Write a one page response that agrees or disagrees with this thesis. Your response is expected to be well attributed.

Place a copy of your assignment online. Post a link to your assignment in our Google Discussion Group.

[2] R. Anderson, Why Information Security is Hard-An Economic Perspective, Proceedings of the 17th Annual Computer Security Applications Conference, p.358, December 10-14, 2001
<http://www.cs.ucdavis.edu/~hchen/teaching/ecs235a-f07/paper/econ.pdf>

Journal Assignment Three

Before you begin this week's blog assignment, go to the MIT Open Courseware site and read "Security Problems with the Internet Architecture". Here is a link to that article:

<http://ocw.mit.edu/NR/rdonlyres/Electrical-Engineering-and-Computer-Science/6-829Computer-NetworksFall2002/7C9AFDED-F5A3-406F-A685-09E5FD1B9F0B/0/L7Security.pdf>

For your journal, first locate a current online news article concerning a specific type of cyber attack listed in the taxonomy described in "Security Problems with the Internet Architecture". Then, post a brief (one to three paragraph) essay that explains that particular taxonomy and why the selected article is relevant.

Notes

Be sure that your essay links to the selected article.

Be sure that your text does not summarize the article.

Be sure to come to class next week prepared to discuss your article.

Quiz Reminder

Prepare for the next in class quiz. The quiz will take place at 8:15 a.m. It will consist of about 25 questions. While most questions will be of a true/false or multiple choice format, you should also be prepared for short answer or other types of questions such as matching columns.

Questions will be taken from all areas of the class. That is, lectures, readings, “hands on” activities, and class discussions.

The purpose of the quiz is to provide evidence of class learning. The questions will be designed to provide feedback concerning the Course Objectives.