

INFX 2601: ASSIGNMENT 2

Given: February 2nd, 2016

Due: February 11th, 2016

Objective:

With this assignment, you will start to get familiar with the concepts that we studied up to now in terms of Authorization, Access Control, Auditing and Accountability Systems. So let's start J

Assignment:

Please read Chapter 3 and Chapter 4 from your course textbook, and go over the lab materials (Lab 2, Lab 3 and Lab 4) available on the course page. If you are still unable to access the textbook, then please see me, or one of our TAs (Corrie or Emel) for assistance. For this assignment, please answer the following questions:

1. At the end of Chapter 3, the book presents different questions under the title called "Exercises" (E). From those, please do: E3, E5, E6, E7, and E8.
2. At the end of Chapter 4, please do the following exercises: E1, E5, E6 and E10.
3. a) Give three reasons why one might want to use virtualization software (like VirtualBox) and a virtual machine. Support your statement with a short discussion for each reason.
b) Briefly discuss some possible drawbacks to running an operating system in a virtual machine.
4. Discuss: What makes Linux and other Unix-derived operating systems relatively easy to audit, and what features allow for strong built-in access control? How does MS Windows handle access control?

Please hand in (in class) a hardcopy of your answers to all of the above questions on the due date of the assignment. Please **do not forget** to write your Name, B-Number and your e-mail address on the first page of the assignment answers you are handing in.

If you plan to use one (or more) of **your budget days** for this assignment, please read the "Late Policy" section on the Class Handout document and e-mail me (zincir@cs.dal.ca) accordingly! In this case, send your answers as a PDF or Word document to my e-mail address. Please note that late policy will be applied for each late day.

If you have any questions, please see me, or our TAs, preferably earlier than the day before the assignment is due ☺