

ITBU 443: Threats and Counter Measures, Homework 13

Chapter 13, *Computer Security, Principles and Practices*

Readings

Read chapter 13 in the *Computer Security, Principles and Practices* book.

Discussion Questions

Answer the discussion questions in writing.

1. What are the five essential characteristics of the cloud computing model?
2. Describe the three service models of cloud computing.
3. Describe the four deployment models of cloud computing.
4. Define the following: cloud auditor, cloud broker, and cloud carrier.
5. Name three top security threats for cloud computing, and briefly describe each one.
6. What is the ideal means of securing data held in cloud storage?
7. Your grandmother has heard an advertisement mentioning the IoT, and she has asked you to explain it to her. How would you do it?
8. In the IoT, what is the *fog layer*? Why is it called the fog layer?
9. What is the *patching vulnerability* and why is it important?
10. Name three security requirements for IoT, and briefly describe each one.
11. What is *MiniSec*?