

CPSC 3125, Operating Systems Homework 19

Chapter 23, *Operating Systems, Three Easy Pieces*

Readings

Read chapter 23 in the *Operating Systems, Three Easy Pieces* book.

Discussion Questions

Answer the discussion questions in writing.

1. Write a paragraph or three on the VAX/VMS Virtual Memory System. Address the significant features of the VMS VM, as well as the significant shortcomings. Reach a conclusion on this VM system, state your conclusion, and support your conclusion with the features addressed in this chapter.
2. Write a paragraph or three on the Linux Virtual Memory System. Address the significant features of the Linux VM, as well as the significant shortcomings. Reach a conclusion on this VM system, state your conclusion, and support your conclusion with the features addressed in this chapter.
3. What one thing did you learn about virtualization that seems most significant to you? Write a paragraph, explain your answer with enough detail so that we can understand what you thought was important.
4. What is the one thing that you feel unsure of and that you would like to study further. Explain why you didn't learn as much as you thought you should have. Describe how you will engage in future study.

Important Note 1: A “paragraph” consists of several sentences, between three and (perhaps) ten. It contains a sentence stating the topic, subject, or main idea of your paragraph. The remaining sentences support or expand on the *topic sentence*, by supporting evidence, telling a story, giving a description, making an argument, stating an analogy, or otherwise developing your thesis. This paragraph is an example. It contains main idea — how to write a paragraph. It supports the main idea by giving some additional pointers. It concludes with a brief illustration.

Important Note 2: Be prepared to give an informal presentation in class on one or more of these questions. You are not expected to read your answer to the question (but you can if you feel that you need to.) You should demonstrate an understanding of the topic. Pretend that a hiring manager has asked you the question, and your future job offer awaits at a salary of \$125,000 a year and a \$20,000 relocation bonus. Yes, this is a realistic scenario, perhaps for a job with Microsoft at their new Atlanta data center. Don't flub the interview!

<https://www.11alive.com/article/news/local/microsoft-atlanta-expansion-announcement-grove-park-campus/85-acf3aad4-fd1f-4547-a236-a86c3f2fe47a>