Virtual Machines

Exercises

18.12 Describe the three types of traditional hypervisors.

18.13 Describe four virtualization-like execution environments, and explain how they differ from "true" virtualization.

18.14 Describe four benefits of virtualization.

18.15 Why are VMMs unable to implement trap-and-emulate-based virtualization on some CPUs? Lacking the ability to trap and emulate, what method can a VMM use to implement virtualization?

18.16 What hardware assistance for virtualization can be provided by modern CPUs?

18.17 Why is live migration possible in virtual environments but much less possible for a native operating system?