

Yi Lin

Professor Labouseur

Operating System

September 21 2020

Lab 4

1. What is the relationship between a guest operating system and a host operating system in a system like VMware? What factors need to be considered in choosing the host operating system?

A host operating system is a software installed on hardware to manipulate the hardware. When a guest operating system is installed through a system like VMware, the guest operating system is a virtualized environment on top of the host operating system. When an operating in the guest operating system make a system call against the hardware, the request is passed down the virtualize layer to the host operating system and has the host operating system process the request against the hardware. Thus, when choosing the host operating system, it is important to choose a host operating system that module closely to the guest operating system to handle functionality associated with the guest operating system.