Lab Four

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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?

The relationship between the guest OS and the host is a delicate balance of resources controlled by the host OS. Because the host manages each guest resource, one of the ways the book brings up to keep everything running smoothly is with a time-sharing algorithm. This configuration gives an example of giving the guest OS a 100 milliseconds time slice to perform any actions needed by the virtual CPU. When choosing a host OS, ensuring compatibility between the two operating systems is essential. Another thing that needs to be considered is whether there are enough resources for both the host and guest; if not, the experience will not be good.