

Lab Four

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1 PROBLEM ONE

A host and a guest operating system differ from each other in a few different ways. A host OS is a traditional OS that sits above the software and communicates with the hardware. There can only be one host operating system, and it will have access to kernel mode and io devices. On the other hand, a guest operating system is software that is a part of virtualization (or it can be on a portioned disk). In a guest OS everything is virtual, this includes devices. A guest OS can use some of the host OS's resources but the two are distinct from one another. Some important factors when choosing a host OS include: memory management, hardware, cost, and speed.