

# Lab Four

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## 1 PROBLEM ONE

### 1.1 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 guest operating system is a process that is run on a virtual machine, which is run on a host operating system. The guest operating system runs as an independent OS on the host.

The factors to consider when choosing a host operating system are:

- How much of the system's resources not used by the host are left to share with the guest operating system? There needs to be enough processing power, memory, and storage for the guest operating system.
- Does the host operating system have a virtualization layer that allows allocation of physical resources to the virtual guest operating system?