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ANSWERS TO EVEN-NUMBERED EXERCISES

2. What is KVM?

KVM (Kernel-based Virtual Machine) is an open-source hypervisor that runs as part of the Linux kernel. It allows a program running in userspace (e.g., QEMU) to take advantage of hardware virtualization features of processors.

4. What is **libvirt**?

The **libvirt** library and management tool provides a consistent interface to create, monitor, and control VMs.

6. What is the purpose of VMware Tools? Do you need to install VMware Tools when running `vmplayer` on a Linux system? Why or why not?

VMware Tools is software that resides on the guest system and improves its performance, functionality, and administration of a VM.

The Linux **open-vm-tools** package holds an open-source implementation of VMware Tools. Because VMware has merged the functionality of VMware Tools into the kernel and **open-vm-tools**, you do not need to install VMware Tools on a Linux system when **open-vm-tools** is installed.

8. What is the `virt-manager` utility?

The `virt-manager` utility is a graphical user interface that you can use to manage virtual machines. It is based on **libvirt** and typically manages QEMU/KVM VMs, although it can manage many different types of VMs.

