

Installing KVM



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KVM

KVM (**K**ernel-based **V**irtual **M**achine) is a full virtualization solution for Linux on hardware containing the CPU virtualization extensions Intel VT or AMD-V. The KVM hypervisor consists of a loadable kernel module, **kvm.ko**, that provides the core virtualization infrastructure and a processor specific module, **kvm-intel.ko** or **kvm-amd.ko**.



Exam Objectives



- **Configure a hypervisor to host virtual guests**



Demo



- **Install KVM and additional tools**
- **Expanding the virsh command**
- **Using Virt-Manager**



Installing the KVM Hypervisor



Extending the virsh Command



Using Virt-Manager



Installing KVM

`qemu-kvm`

`virt-manager`

`qemu+ssh://user@host/system`

`virt-install`

`qemu:///system`

**Virtual Machine
Manager**



Next up: Creating a Virtual
Machine

