RHCSA
BOOT CAMP

Virtualization

VIRTUALIZATION

- RHEL 6 virtualization is accomplished via:

  - KVM - Kernel-based Virtualization Machine

  - QEMU - Processor emulator

- RHEL 6 only supports virtualization via KVM/QEMU, and only on 64bit systems supporting virtualization extensions

  - Intel: Intel VT (flag: `vmx`)

  - AMD: AMD-V (flag: `svm`)

PACKAGES

- There are four package groups available to install the necessary and ancillary software to support virtualization.

  - `Virtualization`

  - `Virtualization Client`

  - `Virtualization Platform`

  - `Virtualization Tools`

LIBVIRT

- `libvirt` is the management framework used in RHEL 6 virtualization.

- The `libvirtd` daemon will always be running in the background to handle virtualization needs and management requests such as starting, stopping, installing, etc.

- Interface to `libvirt` is provided by:

  - `virsh` - command line client

  - `virt-manager` - GUI client

SCHEDULE FOR TOMORROW

- Exam starts at 9:00am **SHARP**

- Exam concludes at 11:30am.

- Lunch from 11:30am to 1:00pm

- Review exam on projector from 1:00pm until finished

- Final Q/A session

- Survey Monkey!

DEMONSTRATION

- A demonstration of basic virtualization tasks...

LAB

1. Create a VM on your machine using the RHEL 6 i386 sources available on server1.

2. Make sure the guest starts on host reboot.

slideshow.end();