

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 sources available on server1.
2. Make sure the guest starts on host reboot.

```
slideshow.end();
```