

# Creating a Virtual Machine

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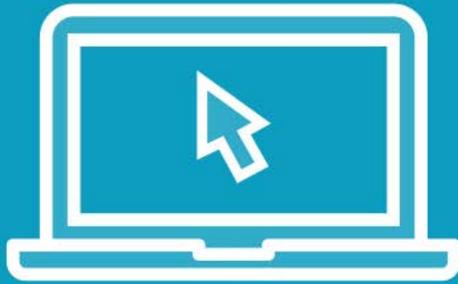
# Exam Objectives



- **Install Linux systems as virtual guests**
- **Access a VM console**



# Demo



- Install Linux guests from ISO using Virt-Manager
- Configure PXE installs in Libvirt
- Install Linux guests from the CLI



# Install Linux Guests from ISO

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# Configure PXE Installs with Libvirt

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# Install Linux Guests from the CLI

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# Installing Virtual Machines

`virt-manager`

`virt-viewer`

```
<tftp root=/tftpboot />
```

`virt-install`

`virsh net-edit`

```
<bootp file=pxelinux.0 />
```



# virt-install

```
$ sudo virt-install --hvm --connect qemu:///system \  
  
--network=bridge:virbr0 --pxe --graphics spice \  
  
--name=centos7-vm --ram=728 --vcpus=1 \  
  
--os-type=linux --os-variant=rhel7 \  
  
--disk path=/var/lib/libvirt/images/centos7-vm.qcow2,size=9
```



Next up: Managing Virtual  
Machines

