

RHEL5 ?????? virt commands ???,????? X-window ???????????? virt-manager

```
[root@benjr ~]# virt-manager
```

????????????????????!

1.virt-install ???? Guest ???

Linux ?????????,????????????? Guest ?????? "virt-install" ??????:

```
[root@benjr xen]# virt-install
Would you like a fully virtualized guest (yes or no)? This will allow you to run unmodified operating
systems. no
#yes ? fully virtualized guest,no ? para-virtualized guest
What is the name of your virtual machine? rhel4.6
#??????
How much RAM should be allocated (in megabytes)? 256
#????????????? Guest. ??? MBs
What would you like to use as the disk (file path)? /var/lib/xen/images/rhel4.6.img
# ????(virtual disk) ,disk ?? image ??! ??? nonsparse image disk ?????? virt-install -nonsparse.
```

```

How large would you like the disk (/var/lib/xen/images/rhel4.6.img) to be (in gigabytes)? 8
#????(virtual disk) ???
Would you like to enable graphics support? (yes or no) yes
#???????
What is the install location? nfs:192.8.1.1:/var/ftp/rhel4-as-u6-64
#NFS : nfs:??IP:Linux ??????????
#WWW : http://??IP/????????
#FTP : ftp://??IP/????????
Starting install...
Creating storage file...          | 8.0 GB  00:00
Creating domain...                |  0 B   00:00
Domain installation still in progress. You can reconnect to
the console to complete the installation process.

```

note:

? FTP ???,??? ftp ???????????? /var/ftp,???? /var/ftp/rhel4-as-u6-64/ ??? RHEL4 ????????

```
[root@benjr ~]# service vsftpd restart
```

? NFS ???,?? "/etc/exports" ?? "/var/ftp/as3u2" ?????(????????????????????,??FTP????????)

```
[root@benjr ~]# vi /etc/exports
/var/ftp/ 192.8.1.*(ro,all_squash)
[root@benjr ~]# service nfs start
```

? HTTP ???

?? "/etc/httpd/conf/httpd.conf" ?? Document ?? /var/ftp(????????????????????,??FTP????????)

```
[root@benjr ~]# vi /etc/httpd/conf/httpd.conf
DocumentRoot "/var/ftp"
[root@benjr ~]# service httpd restart
```

2.virt-clone Clone Guest OS

?? Vmware ESX(i) ?? XEN Source ? RHEL5 ? XEN ????? clone,????????????????????!???????????? "virt-clone" ???
 ??????!!?????????

???????? Cloning ? Guest ??????.????? Guest OS ? rhel4 / rhel5

?? clone ?? rhel5

```

#??????? Guest ??? RHEL4 / RHEL5 ??? RHEL5 ,???? RHEL5 ???!!
[root@benjr ~]# xm shutdown rhel5
#or xm shutdown domain(domain ID)
[root@benjr ~]# xm shutdown 4
#??????? Guest OS ? power button
[root@benjr ~]# virt-clone
# ?? Guest ? image ????.
What would you like to use as the cloned disk (file path)? /var/lib/xen/images/rhel5_1.img
# ???? clone ? Guest ??????? uuid
What is the name or uuid of the original virtual machine? rhel5
# ?? Guest ????.
What is the name for the cloned virtual machine? rhel5_1
Cloning from /var/lib/xen/images/rhel5.img to /var/lib/xen/images/rhel5_1.img
Cloning domain... | 9.8 GB 04:07

```

? clone ??????,? 2 ????????

1.Machine(Host) name

????? samba ?? Machine(Host) name ?? NETBIOS ?????,????????????? Machine(Host) name ??????

2.IP address

?? Cloning ??????? DHCP ???????,????????? IP ?????????? IP ?????????? VM ????.?? MAC address , UUID ??? clone ?
?????,?????????????

3.virt-image ????? Guest ???

????????????????,????????????,???????????? XML ??,????????????? Guest OS??.

??????:

```

<?xml version="1.0" encoding="UTF-8"?>
<image>
  <name>sysresccd</name>
  <domain>
    <boot type="hvm">
      <guest>
        <arch>i686</arch>
      </guest>
    </boot>
    <os>
      <loader dev="cdrom"/>
    </os>
    <drive disk="root.raw" target="hda"/>
    <drive disk="sysresc"/>
  </domain>
  <devices>
    <vcpu>1</vcpu>
    <memory>262144</memory>
    <interface/>
    <graphics/>
  </devices>

```

```

</domain>
<storage>
  <disk file="root.raw" use="scratch" size="100" format="raw"/>
  <disk id="sysresc" file="isos/systemrescuecd.iso"
    use="system" format="iso"/>
</storage>
</image>

???????,
<arch>i686</arch>
Platform i686 / x86_64 ?? ppc
<loader dev="cdrom"/>
?????????
<drive disk="root.raw" target="hda"/>

<drive disk="sysresc"/>

<vcpu>1</vcpu>
?? vcpu ??
<memory>262144</memory>
?????????? Guest. ??? kMBs

<disk file="root.raw" use="scratch" size="100" format="raw"/>
<disk id="sysresc" file="isos/systemrescuecd.iso" use="system" format="iso"/>
????(virtual disk) ???,????????? Disk ? isos/systemrescuecd.iso ??????????.

```

```

[root@Benjr ~]# mkdir isos
[root@Benjr ~]# dd if=/dev/zero of= isos/systemrescuecd.iso count bs=512k count=20480
512kB*20480=10GB

```

??????? image.xml ????????

```
[root@Benjr ~]# virt-image --vnc image.xml
```

????????? Guest OS ,???? virt-manager / virt-install ??????

- [RHEL5 - virt-clone Clone Guest OS](#)
- [RHEL5 - virt-image / virt-viewer command](#)
- [RHEL5 - virt-image command](#)
- [RHEL5 - virt-install ???? Guest ???](#)