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
Document Root "/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
<?xml version="1.0" encoding="UTF-8"?>
<image>
 <name>sysresccd</name>
 <domain>
  <boot type="hvm">
   <guest>
    <arch>i686</arch>
   </guest>
   <os>
    <loader dev="cdrom"/>
   </os>
   <drive disk="root.raw" target="hda"/>
   <drive disk="sysresc"/>
  </boot>
  <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 ?????.