

?? Linux Guest VM

???????? Linux Guest VM ,?? New VM ??????? XenServer ???? OS???.??? Debian Eth4.0/Debian Sarge 3.1 ???
built-in distribution ,??????????????????,???? VM ??????????????.?????????????.???????? Red Hat Enterprise
Linux 4.5.

Note:

??
??
Fedora core 6 ???? Red Hat Enterprise Linux 5 ?
??,?? XenServer ???
XenServer ??????? P2V(Physical to Virtual
Conversion),??
P2V ??????????(????? P2V ?? 1.RHEL3, 2.RHEL4, 3.SLES9)

???????????????????? Guest OS.??

???????? Linux ??????,nfs,http ?? ftp ??? ??????:

? Install URL ???

HTTP: <http://server/path>

FTP: <ftp://server/path>

NFS: <nfs://server:/path>

Notes:

? ? XenServer 5.5.x/5.6.x ???? NFS /HTTP ??????????? FTP?

? ???? ????ISO ?????????? ISO ???? Linux Source ???

????????????? - [XenServer - PXE Installation](#)

?????? XenServer 4.1 ?????,?? OS ?????????? ISO ??????.??? OS ??? . ??????????,?????????.?????? ISO ??????,????????
??? VMs ?????????? ISO ??.

?? ISO ?????????????? [?? CIFS/NFS ISO library](#) ? [?? ISO images](#)

ISO ????????????????????????????????? Linux source ?????

Red Hat Enterprise Linux 5.0-5.1, 32-bit

Red Hat Enterprise Linux 5.0-5.1, 64-bit

Red Hat Enterprise Linux 4.5-4.6

CentOS 4.5-4.6

CentOS 5.0-5.1, 32-bit

CentOS 5.0-5.1, 64-bit

Oracle Enterprise Linux 5.0-5.1, 32-bit
Oracle Enterprise Linux 5.0-5.1, 64-bit

VM ?? OS ?????,??CPU ???????????,????????????? Guest ??,????????????????????? Guest OS.

??? Guest ??????.????? "Edit.." ????????

????????????????????.

?? "Finish" ???????? Linux Guest OS ?!!

?? Guest ?????? OS ?????????? Linux Guest OS ??????.????? X windows ??? VNC(Virtual Network Computing) ??? X window ?????????? VNC.

??? Linux Guest OS ?????????? "Linux guest agent" ,????? XenServer ?????? DVD Drive ?????,?? XenServer

Tools - xs-tools.iso,??? iso ?????? "Linux guest agent".

???????,???????????????????? /dev/cdrom ?? /dev/xvdd ,?? XenServer ?????,?????? DVD/CDROM ????"????.??
 XenCenter ? CLI(Command Line Interface) ??????????????????.????? /dev/cdrom ??????????????,??? VM guest
 ??? /dev/cdrom ??????
 ?? "Linux huest agent"????:

```
[root@benjr ~]# /mnt/Linux/install.sh
Detected `Red Hat Enterprise Linux AS release 4 (Nahant Update 6)' (rhel version 4).
The following changes will be made to this Virtual Machine:
* lvm configuration update.
* packages to be installed/upgraded:
- kernel-xenU-2.6.9-67.0.4.EL.xs4.1.0.19.i686.rpm
- mkinitrd-4.2.1.13-1.i386.rpm
- xe-guest-utilities-4.1.0-257.i386.rpm
Continue? [y/n] y
Preparing... ##### [100%]
1:xe-guest-utilities ##### [100%]
Preparing... ##### [100%]
1:mkinitrd ##### [100%]
```

```

Preparing... ##### [100%]
1:kernel-xenU ##### [100%]
Making kernel 2.6.9-67.0.4.EL.xs4.1.0.19xenU
the default in grub configuration.
You should now reboot this Virtual Machine.
[root@benjr ~]# reboot

```

??????????????.

?? Linux guest agent ,???? Host ?????????? VM ???.????:

- Linux distribution name and version (major, minor revision).
- Kernel version (uname).
- IP address of each Ethernet interface.
- Total and free memory within the VM.

???? General ?????????? Linux guest agent ??.

RedHat Enterprise Server 4/5 ?????????????? GDM(GNOME Display Manager) ? VNC(Virtual Network Computing) ??????????,????????????????.

????????

```

[root@benjr ~]# rpm -q vnc-server gdm
vnc-4.0-11.el4
gdm-2.6.0.5-7.rhel4.15
#???? gdm ????
#For RHEL4
[root@benjr ~]# vi /etc/X11/gdm/gdm.conf
#For RHEL5

```

```

[root@benjr ~]# cp /etc/gdm/custom.conf /etc/gdm/gdm.conf
[root@benjr ~]# vi /etc/gdm/gdm.conf
[servers]
0=Standard #<--???
#??????
0=VNC
#??????
[server-VNC]
name=VNC Server
command=/usr/bin/Xvnc -SecurityTypes None -geometry 1024x768 -depth 16 -BlacklistTimeout 0
#??? -geometry 1024x768 ?? VNC ????????(VNC screen resolution)
flexible=true
[server-Standard]

```

note:???

VNC Display-0 ??? port 5900 ? port,VNC Display-1 ??? port 5901 ? port ???,???? RedHat ??????,????.

Red Hat Linux 3, use redhat-config-securitylevel-tui.

Red Hat Linux 4 and 5, use system-config-securitylevel-tui.

```

[root@benjr ~]# service vncserver restart
#???? vncserver ???
[root@benjr ~]# chkconfig vncserver on
#?? chkconfig ??????????? vncserver ??.
[root@benjr ~]# vi /etc/inittab
# Default runlevel. The runlevels used by RHS are:
# 0 - halt (Do NOT set initdefault to this)
# 1 - Single user mode
# 2 - Multiuser, without NFS (The same as 3, if you do not have networking)
# 3 - Full multiuser mode
# 4 - unused
# 5 - X11
# 6 - reboot (Do NOT set initdefault to this)
#
id:5:initdefault:
#??runlevel??5,?????????? X window

```

?????,???? run level 5 ?????????????? "switch to Graphical Console",??????????????.

