

1.

1. Enable VT-x

check CPU support

```
# grep vmx /proc/cpuinfo
```

2,3.First check if group already exist, if not create it

```
# getent group | grep libvirt
```

Add user account to the libvirt group

```
#usermod -aG libvirt "username"
```

check

```
# id "username" | grep libvirt
```

4. Client: virsh connect <hostname>

2.

(1)create a lvm-based storage pool:

```
# virsh pool-define-as guest_images_lvm logical -- /dev/sdc libvirt_lvm  
/dev/libvirt_lvm
```

定義guest image lvm(名字可替換)

```
# virsh pool-build guest-image-lvm
```

建立 guest-image-lvm

```
# virsh pool-start guest-image-lvm
```

初始化新 pool

```
# vgs
```

檢查 volume group

```
# virsh pool-autostart guest-image-lvm
```

設定為自動初始

```
# vol-create-as guest-image-lvm volume1 8g
```

(2)install(kickstart)

edit kickstart script (到 root 下之資料夾)

ksvalidate /root/ks.cfg (validate kickstart)

```
virt-install \
```

```
connect....\
```

```
...
```

```
graphics spice\
```

```
...
```

(3)bridge (在 vm 裡)

```
modprobe --first-time bridge
```

```
load module
```

yum install bridge-utils tunc

下載 bridge-utils

vi /etc/sysconfig/network-scripts/ifcfg-virbr0 寫入設定（誰跟誰
bridge...）

vi /etc/sysconfig/network-scripts/ifcfg-eno16777736 同上

systemctl restart network restart

(4) spice password

append a passwd attribute to the Spice graphics node:

<graphics type='spice' passwd='mysecretpassword' />

3.

1. Serial port of machine, 像是接線把機器上的畫面投影到螢幕上



4.

5.

1. Nmtui
2. From the starting menu, select Edit a connection. Select Add, the New Connection screen opens.
3. Select Bridge.
4. select add
5. select the Create button to cause the bridge's Edit Connection display to appear
6. Enter the desired slave's device name or MAC address in the Device section. If required, enter a clone MAC address to be used as the bridge's MAC address by selecting Show to the right of the Ethernet label.
7. The name of the bridge slave appears in the Slaves section. Repeat the above steps to add further slave connections.

6.

1. Virsh list
2. Virsh destroy
3. Virsh domiflist
4. Virsh detach-interface
5. Virsh edit