



? RHEL5 Xen ??? Virtual machine ? Network ????? 1.Virtual network 2.Shared physical device ??????.

? RHEL5 Xen ?????????? bridge,????? QEMU ?????? virbr0,?????? Xen ?????? xenbr0,??? Virtual machine ???
?????????. 1.Virtual network 2.Shared physical device????????????????,?????? virbr0.

- **Virtual network - virbr0**

1. QEMU Dom0 bridge "virbr0" .virbr0 NAT + DHCP
Virtual machine(DomU) virbr0 (private IP). 192.168.122.2 ~ 192.168.122.254 DHCP IP ??).
2. default gateway ? 192.168.122.1/24 , domU dom0 ? NAT .
3. NAT ?? domU private , DomU .

Qemu Xen (/etc/xen) /etc/libvirt/qemu/networks/default.xml

```
<network>
<name>default</name>
<uuid>49a0ceb-5662-4a61-8149-98ea750d393b</uuid>
<bridge name="virbr0" />
<forward/>
<ip address="192.168.122.1" netmask="255.255.255.0">
<dhcp>
<range start="192.168.122.2" end="192.168.122.254" />
```

```
</dhcp>
</ip>
</network>
```

??? ip address ? default gateway IP,range ??DHCPclients ??????,??????????.

- **Shared physical device - xenbr0**

??? Virtual machine(DomU) ? Dom0 ?????????????? Hub ?? Switch ?,???????? IP ?????.

???? XEN ? Network ??? : <http://benjr.tw/?q=node/215>

???????????????????? Virtual machine ?????(?? /etc/xen ?????),Virtual machine ?????????? Virtual machine ?? "system Name"???? Virtual machine ? system name ? rhel4 ?????????????? /etc/xen/rhel4,???? vif ?? virbr0 ?? xenbr0

1.Virtual network - virbr0

vif =[bridge=virbr0]

??

2.Shared physical device - xenbr0

vif =[bridge=xenbr0]

???? Guest OS ?????? Virtual Machine Manager ? Details / hardware ?? NIC ??? NAT ?? Bridge ???! XEN ???

???????????? Virtual machinet ? NIC ????????????????????? Guest OS ?????!

???????? rhel4(Dom 3) ? rhel5(Dom 4) ??,???? networking ?????,???????????????????? Dom ID ?!

virbr0 ??? NAT networking ,???? vif3.0 ?? Dom3(rhel4) ??? eth0 ??? NAT networking.

