

???? Xen kernel ???,?? xend ??????.??????? virt-manager(??? Applications / System Tools / Virtual Machine Manager) ??? virtual machine.???????????????????? Xen ??????,?????????????:

Unable to open a connection to the Xen hypervisor/daemon

Verify that:

- A Xen host kernel was booted
- The Xen service has been started.

?????????,????????????????????? chkconfig --list ??? xend ??????????????.

```
[root@benjr ~]# chkconfig --list xend
end          0:off 1:off 2:on 3:on 4:on 5:on 6:off
```

????? xend ??????????,????????????? xend ???.

```
[root@benjr ~]# service xend status
xend is running
```

?????? xend ?????,?????????????????????.

```
[root@benjr ~]# service xend start
Starting xend:          [ok]
```

??? "service xend stop" ?? xend ?????? "service xend restart" ?????????????? #virt-manager .???  
Localhost ?????????????? "Connect" ??? File / Open connection..." ?? connection : Local

/etc/xen/xend-config.sxp ????????? 5 ? 1. Dom 0 ??? 2.?? (Migration) virtual machine 3.?? 4.virtual machine ?????? 5.???? Linux ?? - VNC (Virtual Network Computing)

- Dom 0 ????

Dom0 (Domain zero) ?????? Virtual Machin ??? Hypervisor ?????? domain ,?????????????????.? Dom0 ??????????,????? DomU (? Dom0 ? virtual Machine)

? (logfile /var/log/xen/xend.log)  
?? xen ?????????? /var/log/xen/xend.log .

? (loglevel DEBUG)  
????????????????,?????????(????):debug,info,notice,warning,err,crit,alert?emerg.??? debug ??  
????????????.

? (console-limit 1024)  
console-limit ?????????? DomU ??????????????????,???? 1024 ??? kilobyte.

? (dom0-min-mem 256)  
????????????????????? Dom0 ?????? virtual machine ?? DomU ? virtual machine ?????????,  
Dom0 ?????????? DomU ??? ?????? Dom0 ??????????,??? 256 MB ??? Dom0 ????????? 256 MB ?,

DomU ??????????????.????? balloon ?????????????.

? **(dom0-cpus 0)**

????????????? SMP(symmetric multiprocessing) ,????????? Dom0 ?????? CPU ??,1 ?? Dom0 ?????? CPU,?????...????????????? CPU ??? DomU ???. ??? "0" ?? Dom0 ?????????????? CPU ??????

? **(enable-dump no)**

xm dump-core???? Linux ???? kdump ?? Windows ? kernel memory dump,????????????????? crash ??? dump ?? crash ?,??????????.  
?? core dump ??? <http://benjr.tw/?q=node/528>

• ?? **(Migration) virtual machine**

- ? (xend-relocation-port 8002)
- ? (xend-relocation-address "")
- ? (xend-relocation-hosts-allow "")
- ? (external-migration-tool "")

????????????????????????????,????????? virtual Machine ???? Server ?????????,????????? (migration), Xen ???  
????????????????????????????????????? RHEL5 ? xend ??,????????????????????,????????????? x86 ?? EM64T (Intel  
VT-x) ?? Itanium IA64 ??? (Intel VT-i) ?? AMD-V ,????????????????????????????????????,????????????????????????  
?? core dump ??? <http://benjr.tw/?q=node/527>

• ??

- ? (xend-http-server yes)
- ? (xend-port 8000)
- ? (xend-address "")

? xend ? /etc/xen ???? xend-config.sxp ???,????????????? xend-http-server.????????????????? web ??????  
xend ?? virtual machine ? xend-http-server ?????????????? hypervisor ?????????? web ??????.?????

```
[root@benjr ~]# vi /etc/xen/xend-config.sxp
(xend-http-server yes)
(xend-port 8000)
(xend-address "")
```

? **(xend-http-server yes)**

?? xend ? HTTP server ,????? web <http://ip:port/xend> ?????? hypervisor ??????.

? **(xend-port 8000)**

xend-http-server ???? TCP port ??? 8000

? **(xend-address "")**

????? IP ???, ??? " ??????????????,????????????????????? (xend-address localhost) ??????????.

??????? web ??? <http://ip:port/xend>

(xend-unix-server yes)  
 (xend-tcp-xmlrpc-server yes)  
 (xend-unix-xmlrpc-server yes)  
 (xend-relocation-server no)  
 (xend-unix-path /var/lib/xend/xend-socket)

- **virtual machine ??????**

- ? (network-script network-bridge)
  - ? (network-script network-route)
  - ? (network-script network-nat)
  - ? (vif-script vif-bridge)
  - ? (vif-script vif-route)
  - ? (vif-script vif-nat)

Xen ?????????,??????? 3 ??????, ????????? 3 ? 1.network-bridge , 2.network-nat ? 3.network-route ?

Virtual Machine ????????????????????????????????????? Xen ?????????? <http://benjr.tw/?q=node/215>

- **???? Linux ?? - VNC (Virtual Network Computing)**

- (vnc-listen '127.0.0.1')
  - (vncpasswd '')
  - (vnc-tls 1)
  - (vnc-x509-cert-dir /etc/xen/vnc)
  - (vnc-x509-verify 1)
  - (enable-image-format-probing no)