???? 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
Staring 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](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)