



????????????????????,?????? ?? virtual Machine ??? Server ??????,?????? (migration), Xen ?????????
???.???????????????????? RHEL5 ? xend ?.????????????????,?????????? x86 ?? EM64T (Intel VT-x) ?? Itanium
IA64 ??? (Intel VT-i) ?? AMD-V ,????????????????????,????????????????????.

RHEL5 ????????????? (offline) ???????? (Live) ?????.

- **???? (offline Migration)**

????????????,??????(pause),????? (migration), ?????????? virtual Machine ?? Guest OS ??????????
?????????? Host ?.

- **???? (Live Migration or online Migration)**

????????? Virtual Machine ??? Guest OS ?????????????????????.

???? migrate ?? Guest OS ????? SAN ?? NAS ?,???????????? (local hard drive) ??? ????????????????? crash ?
?.??
? MAC ?,??
? MAC ?,??

? xen ?? migrate ????????? Relocation.Relocation ????????????????? xend ????????????????????????????????? xend-config.sxp ?
???

???????? Host1 ? RHEL4 ??? Host2 ?.Host1 ,Host2 ???????.

```
[root@host1 ~]# vi /etc/xen/xend-config.sxp
(xend-relocation-server yes)
(xend-relocation-port 8002)
(xend-relocation-address '')
(xend-relocation-hosts-allow '')
```

- **xend-relocation-server yes**

"yes" ????? Relocation ???

- **xend-relocation-port 8002**
Relocation ??? TCP port ??? 8002
- **xend-relocation-address "**
???? IP address ?? relocation ??,???????????? IP,?? Host1 ?? Host2 ?????????????????????? port ?????????
port ?????????????????????? "Error: Unable to connect to xend: Connection refused. Is xend
running?" ????? IP address ?????
- **xend-relocation-hosts-allow "**
???? Host ??? Virtual Machine ????? Host ??,???????????? Host2 ????????? IP ?? FQDN (????????????).??
????????????????????.

????? Host1 ?? Host2 ??? Xend ???

```
[root@host1 ~]# service xend restart
[root@host2 ~]# service xend restart
```

???? Host1 ?? migrate,???? Host1 ? RHEL4 ???

```
[root@host1 ~]# xm list
Name          ID Mem(MiB) VCPUs State  Time(s)
Domain-0      0  975      4    r----- 1153.6
RHEL4         4   511      1    -b----- 15.0
```

?? #xm migrate ???????

```
[root@Host1 ~]# xm migrate RHEL4 host2
```

????(-l :--live)????? Live migration.

```
[root@Host1 ~]# xm migrate RHEL4 host2 -l
```

?? Host2 ? virt-manager ????? RHEL4 ? Virtual Machine ?,???? "Console is not yet active for guest" ???????
??.

????????????????,???????????????? virtual Machine ??????????.???????? virtual Machine ????? Server ???
?? Virtual Machine ????????? Server ?.???????? virtual Machine ????

???: <http://www.cdchen.idv.tw/node/541>