

???????????????????,?????? ?? 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 Migeation)**

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

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

? 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>