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云计算

OpenStack

KVM

动态迁移

| | |
|---|---|
| static migration 静态迁移 cold migration 冷迁移 offline migration 离线迁移 | live migration 动态迁移 hot migration 热迁移 online migration 在线迁移 |
|---|---|

衡量

- 整体迁移时间
- 服务器停机时间
- 性能影响(迁移后和其它客户机)

特点

- 负载均衡
- 解除硬件依赖
- 节约能源
- 远程迁移

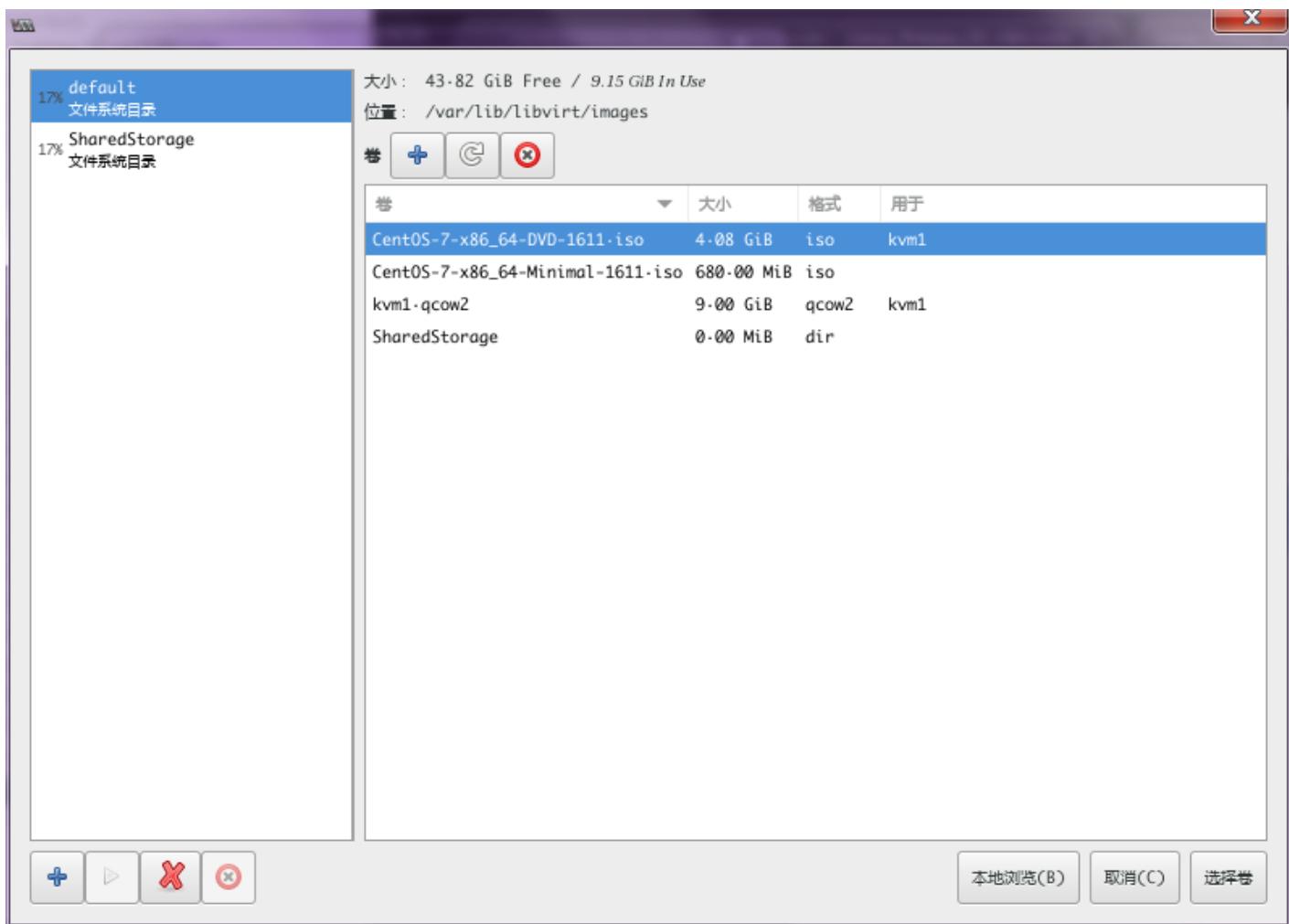
迁移条件

- 共享存储
- 跨平台迁移

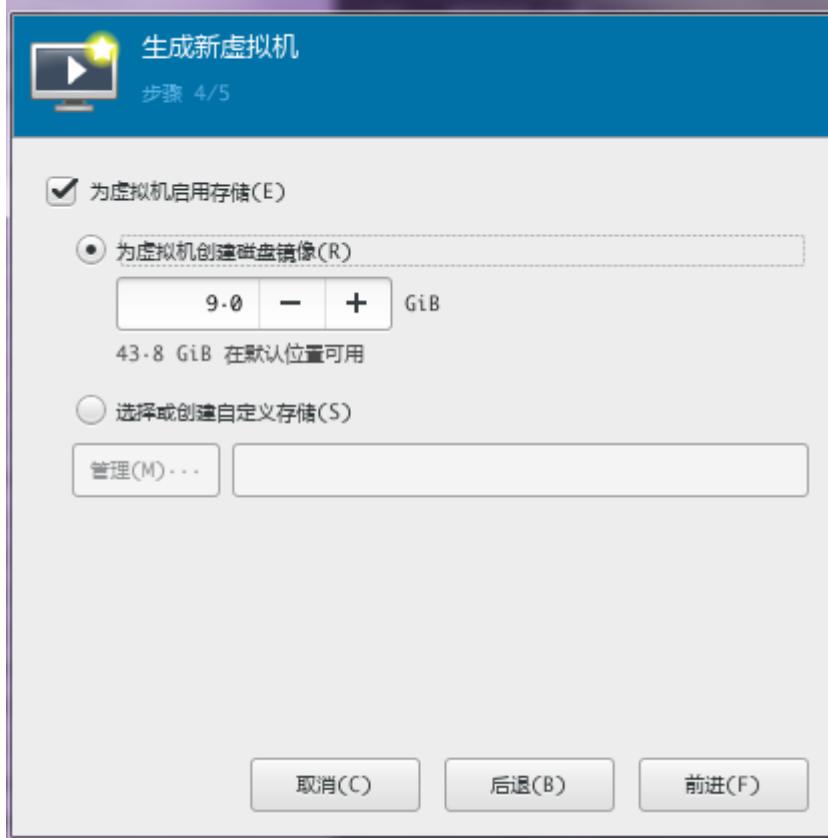
- 64-64;32-32,64
- NX(Never eXecute) cat /proc/cpuinfo | grep nx
- 源,目的主机,虚机名称唯一,其它配置相同(网络)

图形安装二层**VM**









- firewalld
- SELinux
- hosts

CLI安装三层VM

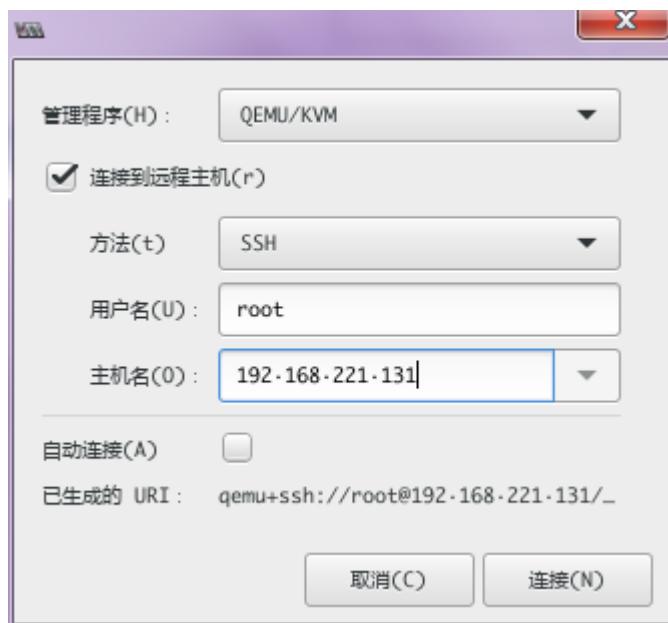
```
qemu-img create -f raw /var/lib/libvirt/images/c73.img 10G
```

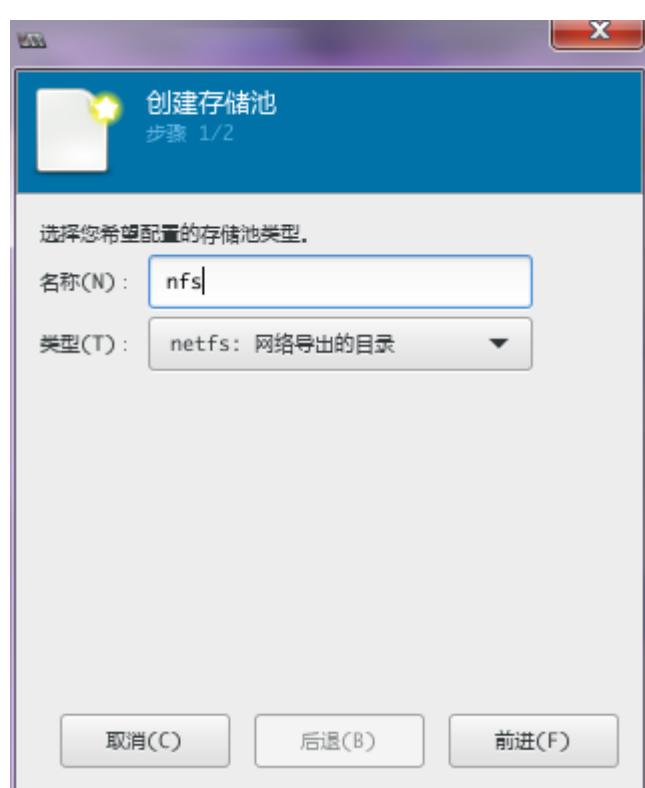
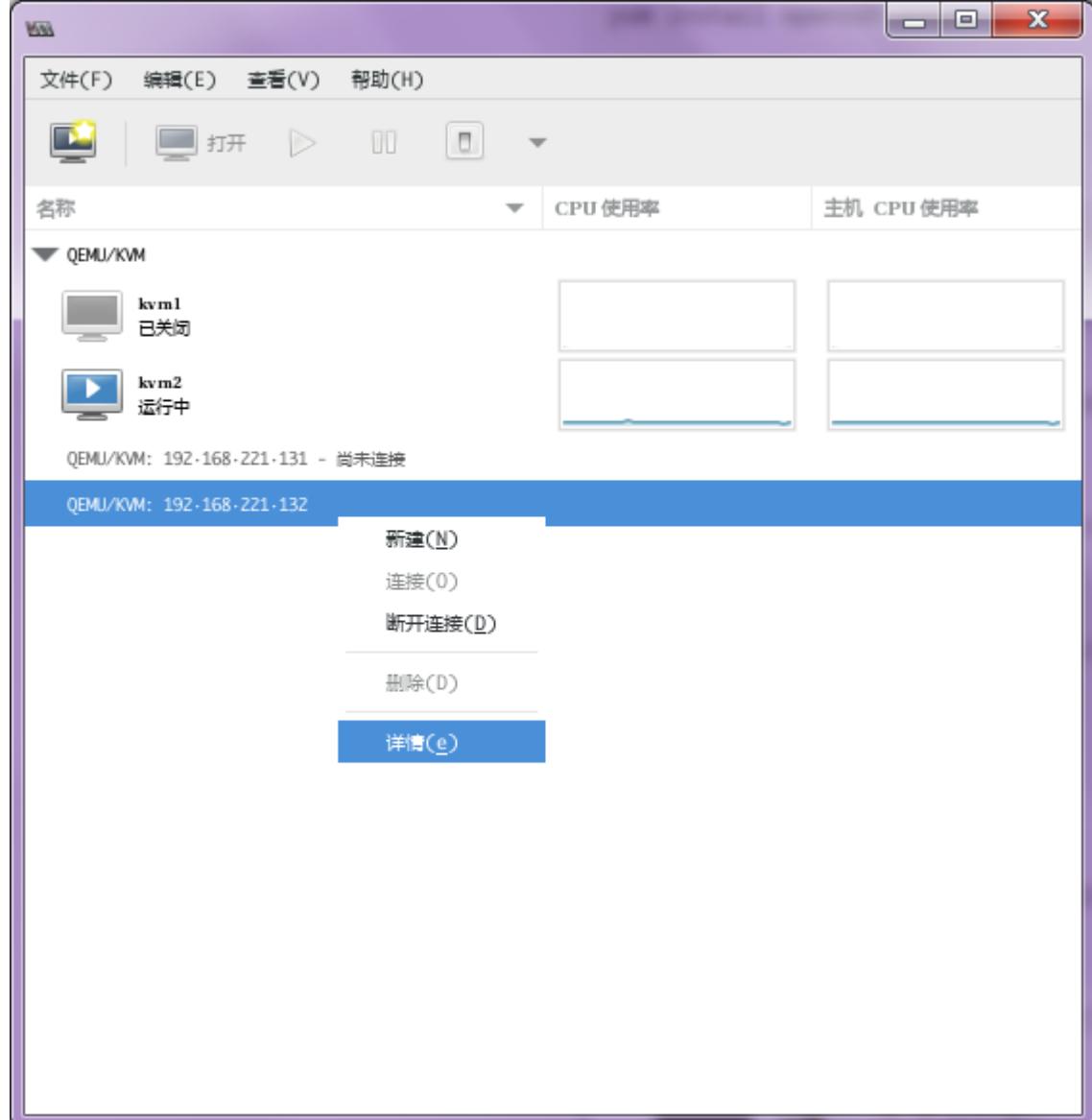
```
virt-install \
--name c73 \
--ram 512 \
--disk path=/var/lib/libvirt/images/c73.img \
--vcpus 1 --os-type linux --os-variant=rhel7 \
--graphics none \
--console pty,target_type=serial \
--location '/var/lib/libvirt/images/CentOS-7-x86_64-Minimal-1611.iso' \
--extra-args 'console=ttyS0,115200n8 serial'
```

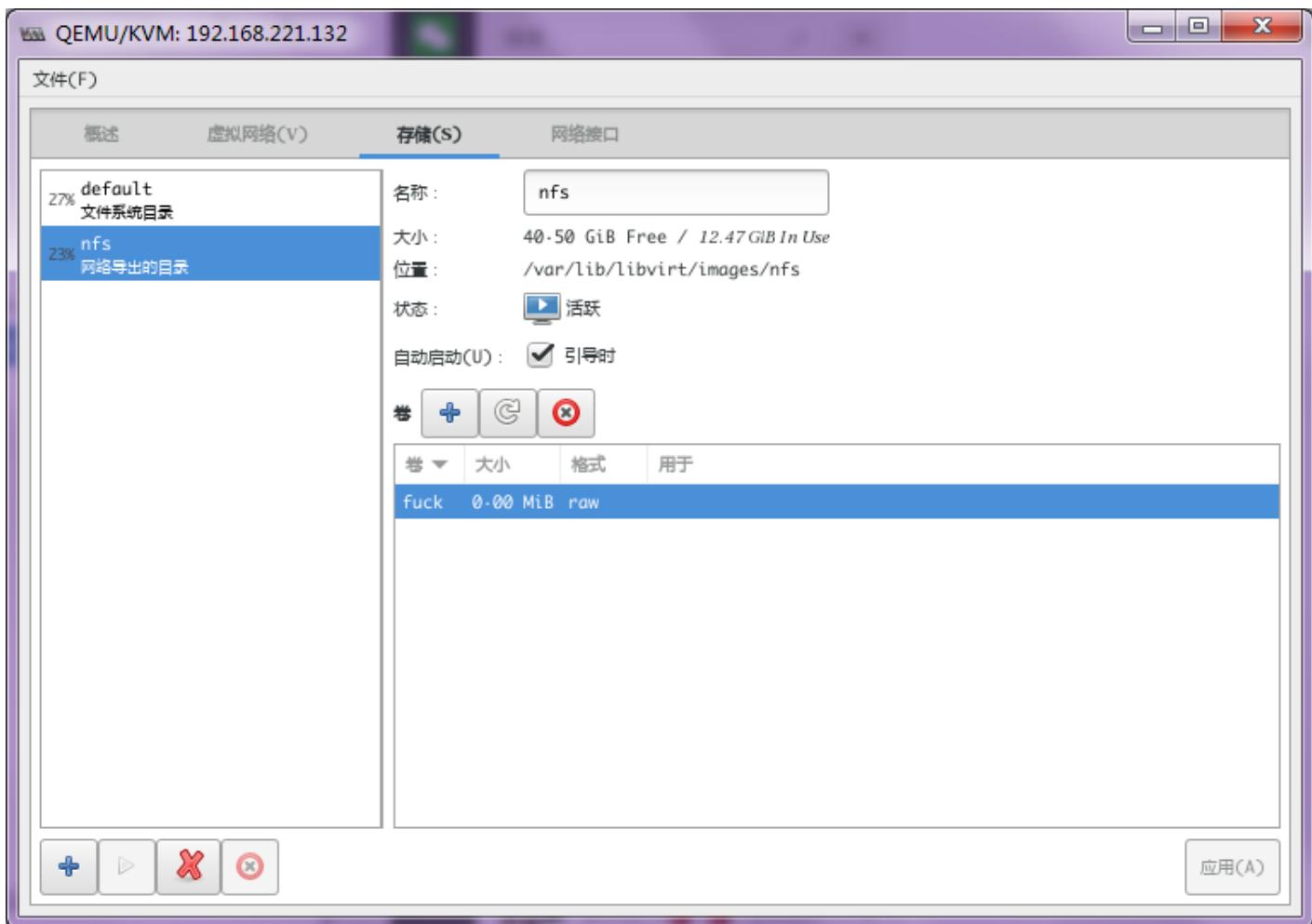
管理二层资源池

```
yum install openssh-askpass
```

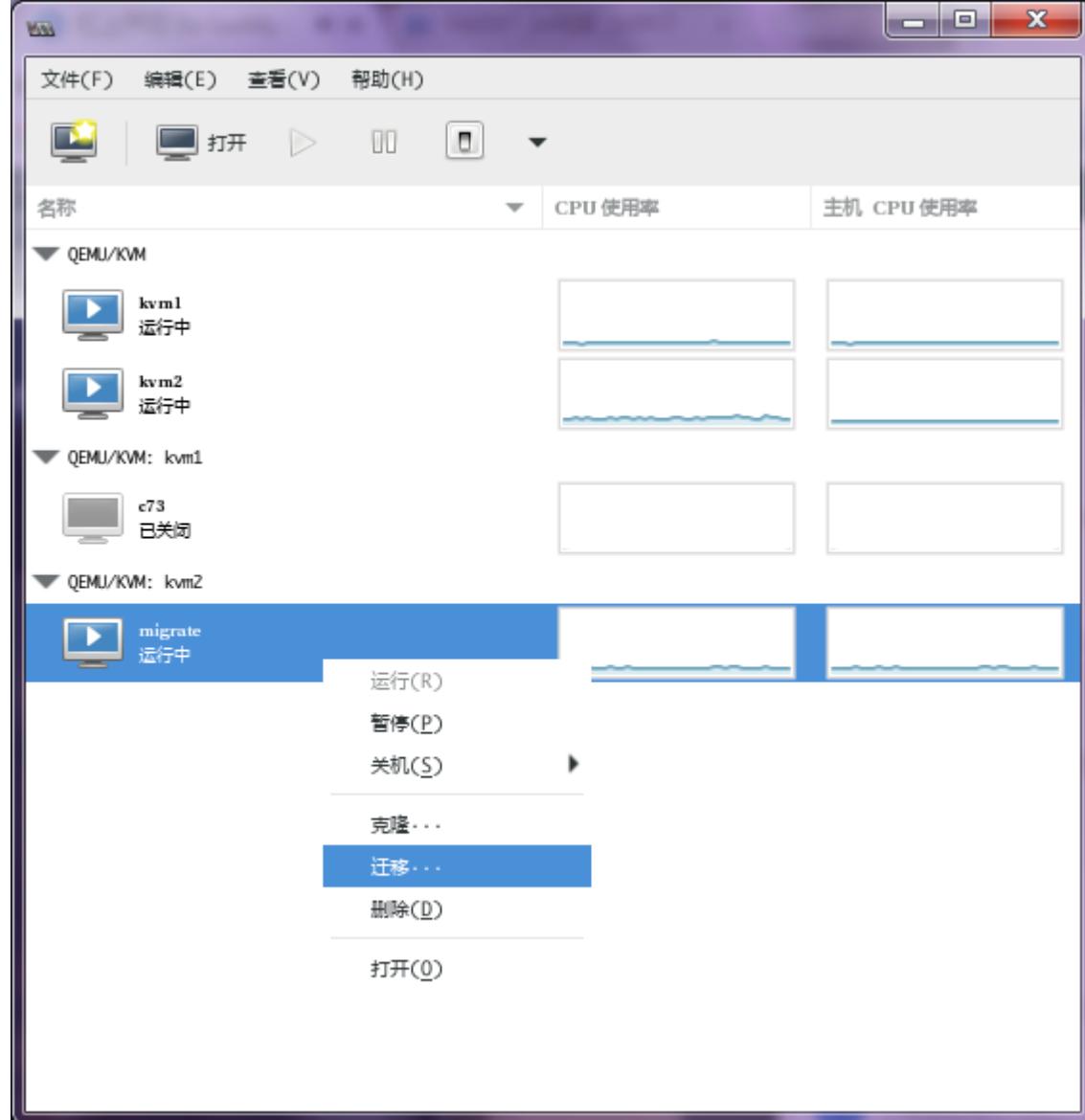
文件-->添加连接

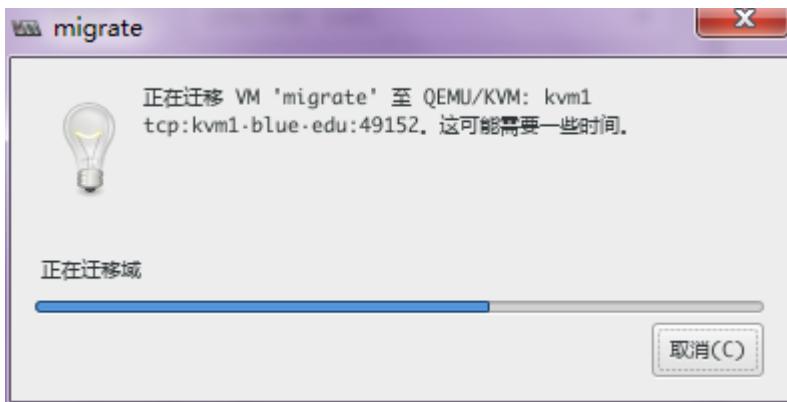


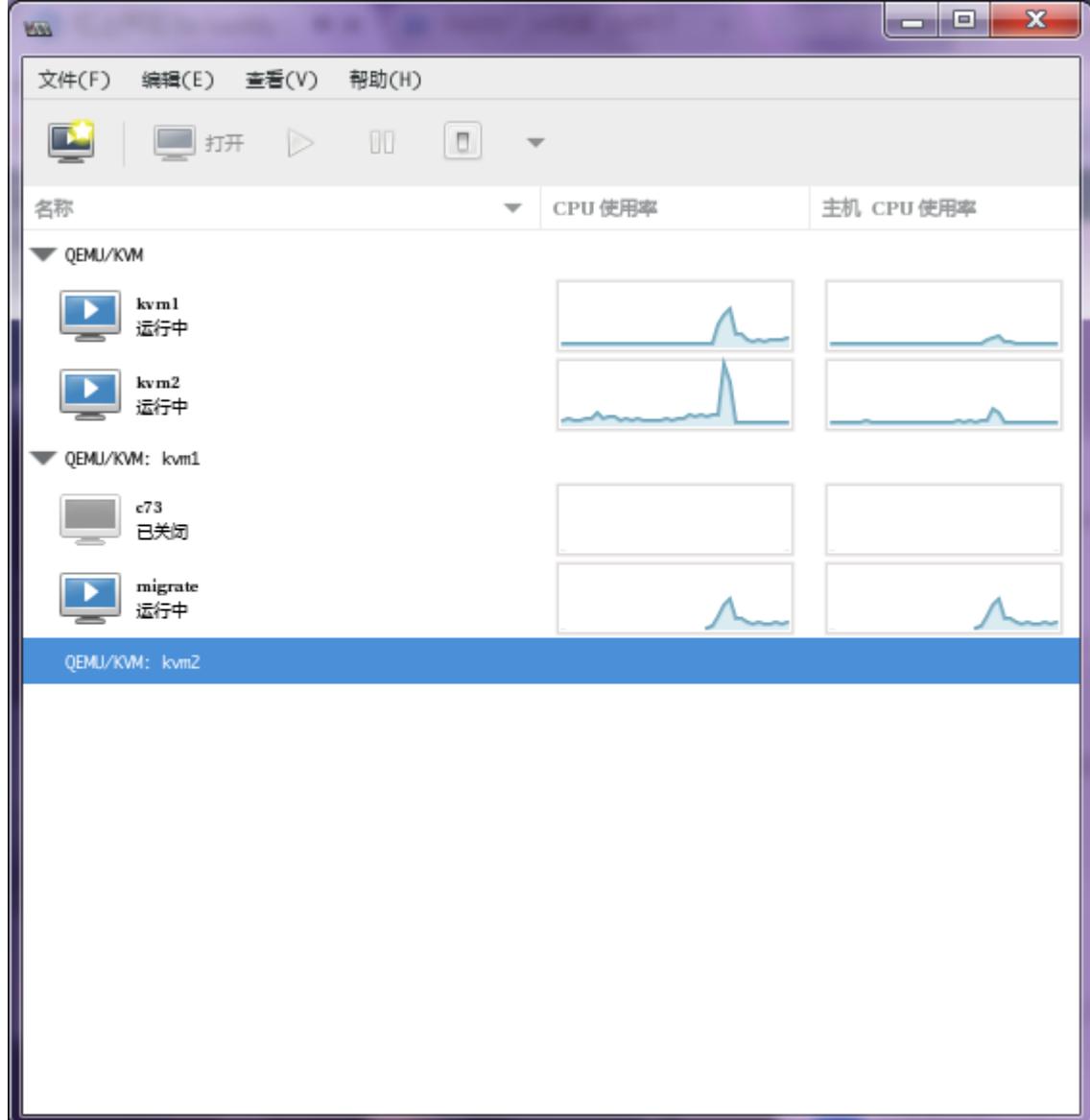


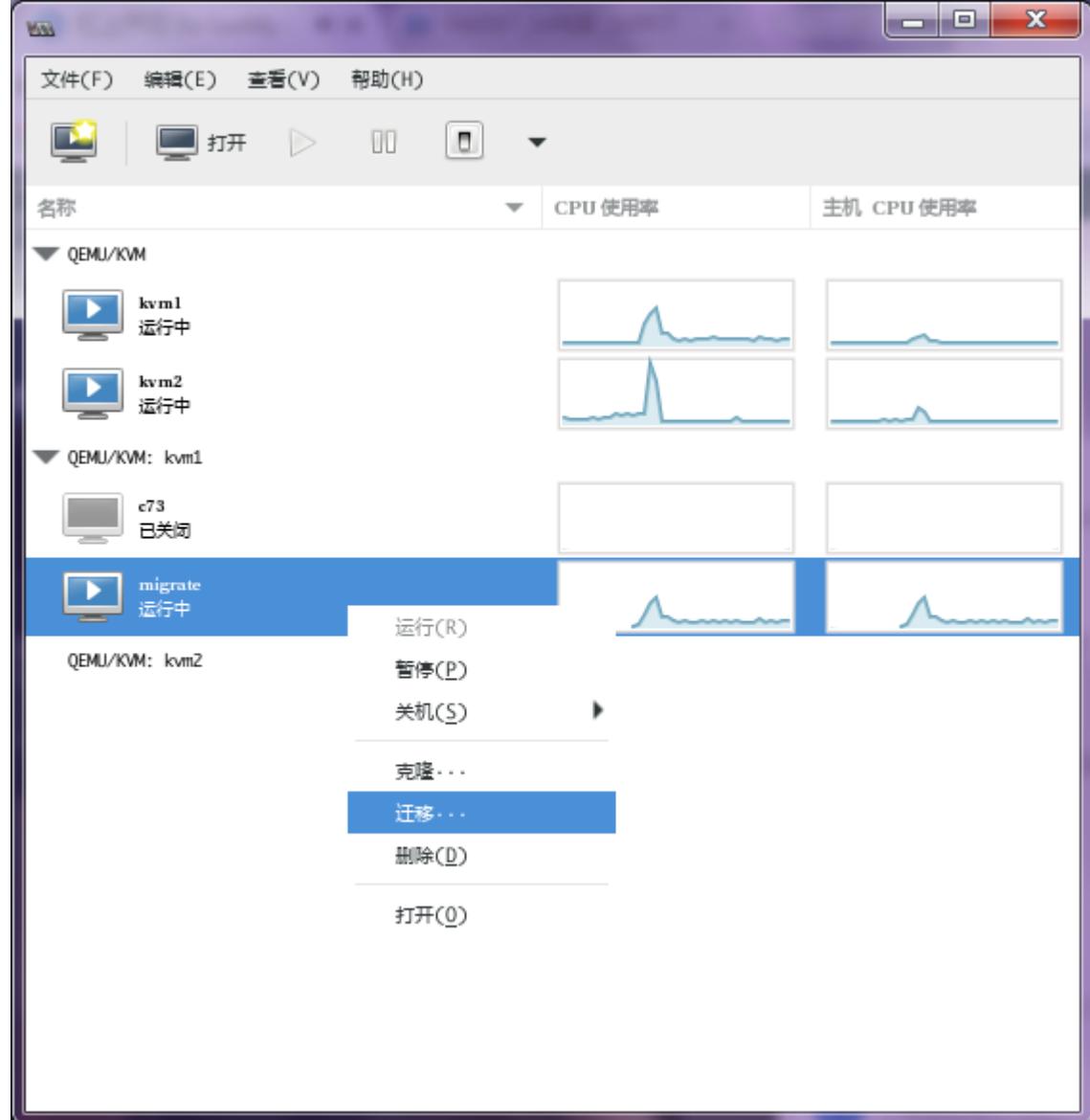


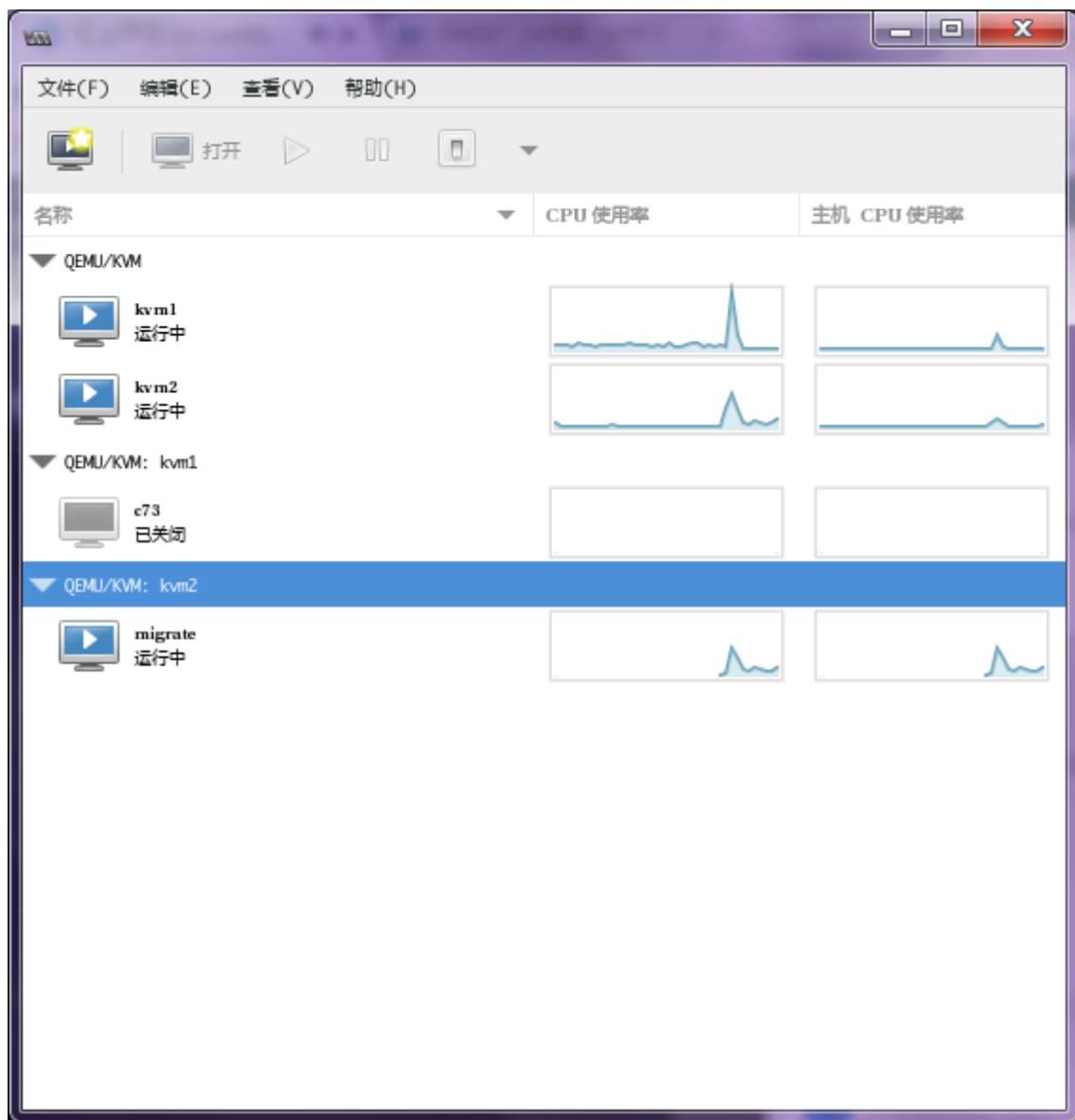
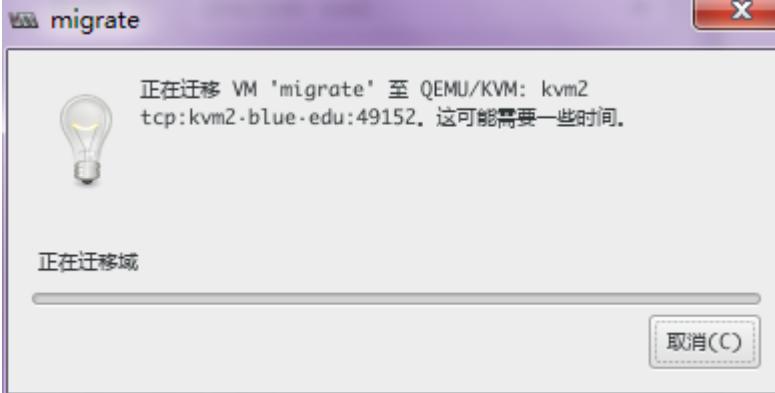
虚拟机热迁移











隧道模式

```
ssh-keygen
ssh-copy-id root@hostname
```

spice

```
yum install spice-*
systemctl restart spice-vdagentd.service

systemctl enable libvirt-guests.service
```

热迁命令

```
virsh migrate xfobase --live qemu+ssh://des_ip:/system --unsafe
```