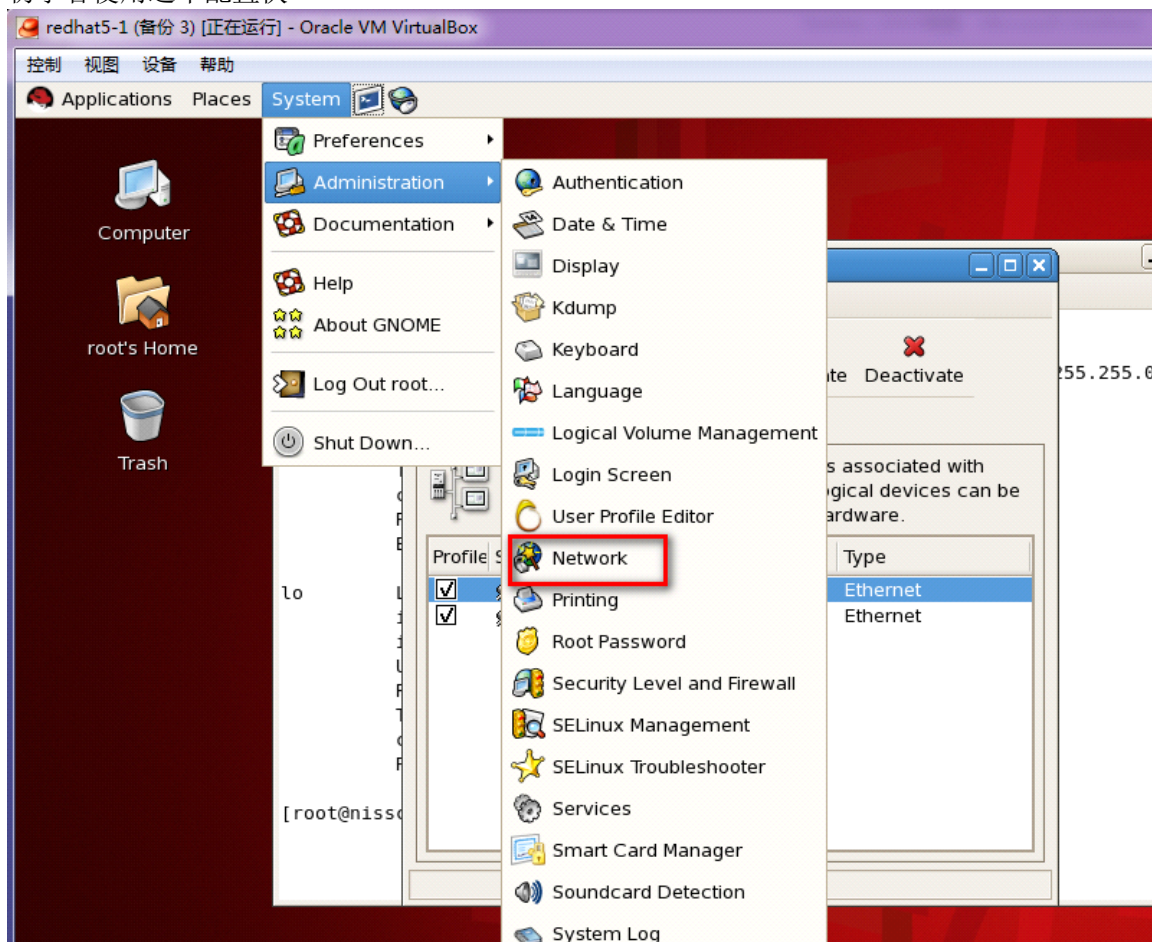
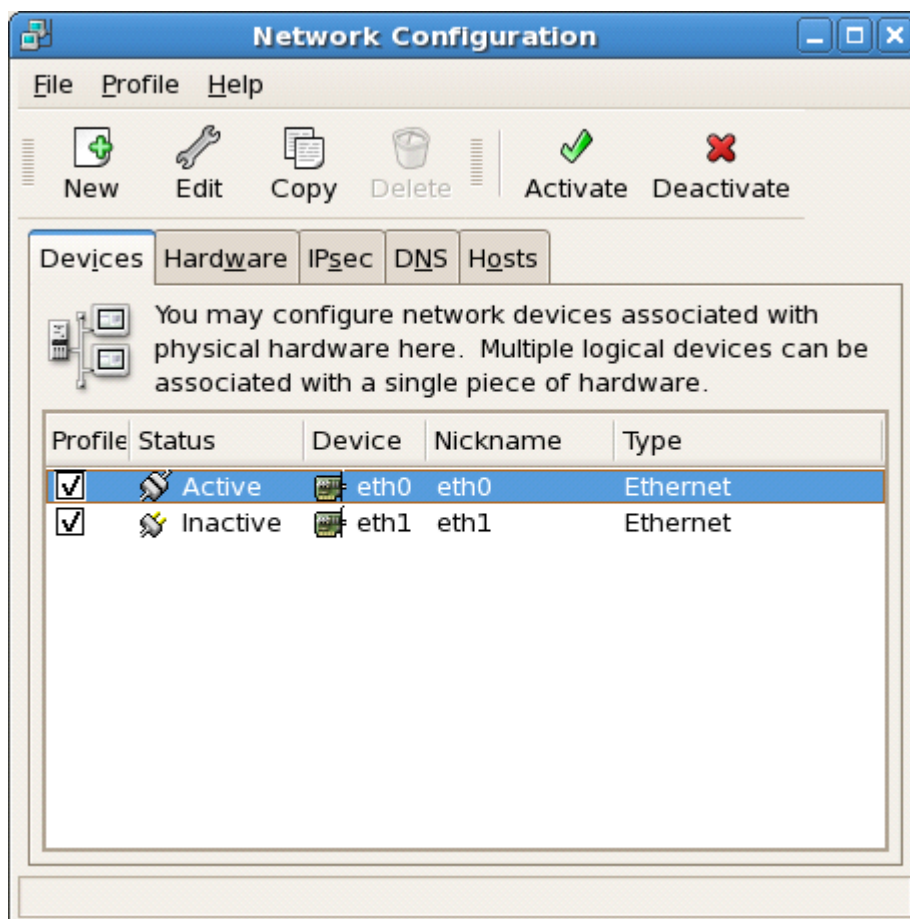


RedHat--DHCP配置

2013年12月6日 19:31

其实配置那个ip时候也可以使用界面配置，现在举例dhcp界面配置方法
初学者使用这个配置快





Ethernet Device

General Route Hardware Device

Nickname:

☒ Activate device when computer starts

☐ Allow all users to enable and disable the device

☐ Enable IPv6 configuration for this interface

☐ Automatically obtain IP address settings with:

DHCP Settings

Hostname (optional):

☒ Automatically obtain DNS information from provider

☒ Statically set IP addresses:



Manual IP Address Settings

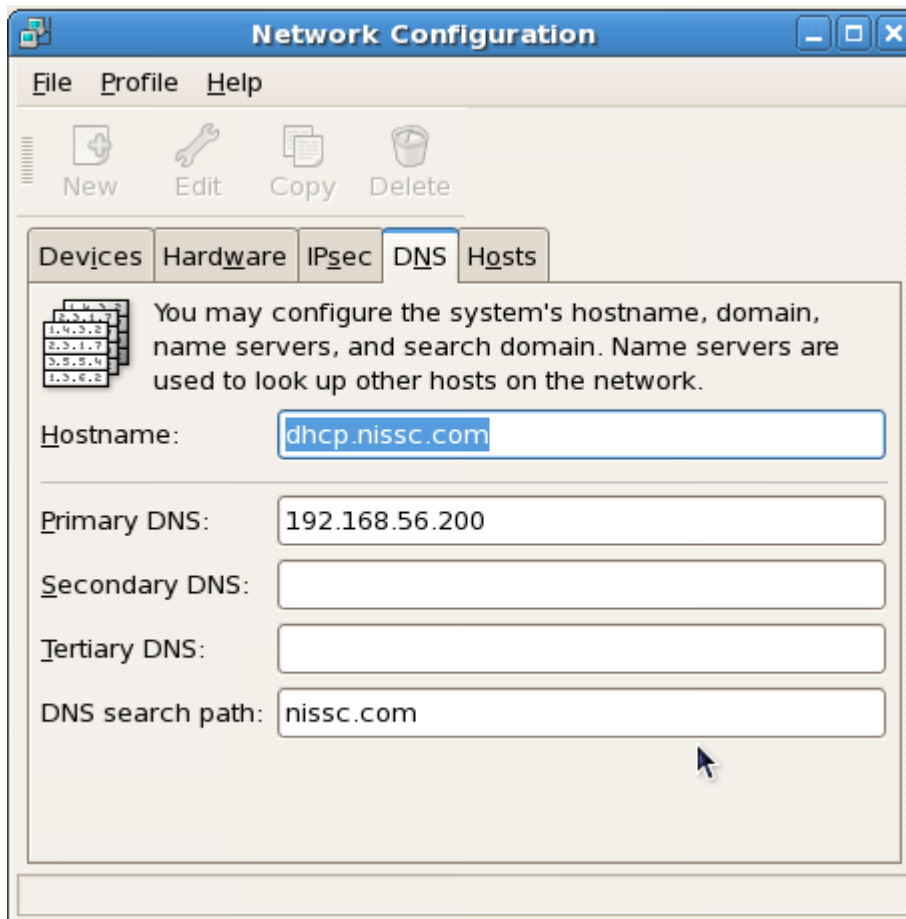
Address:

Subnet mask:

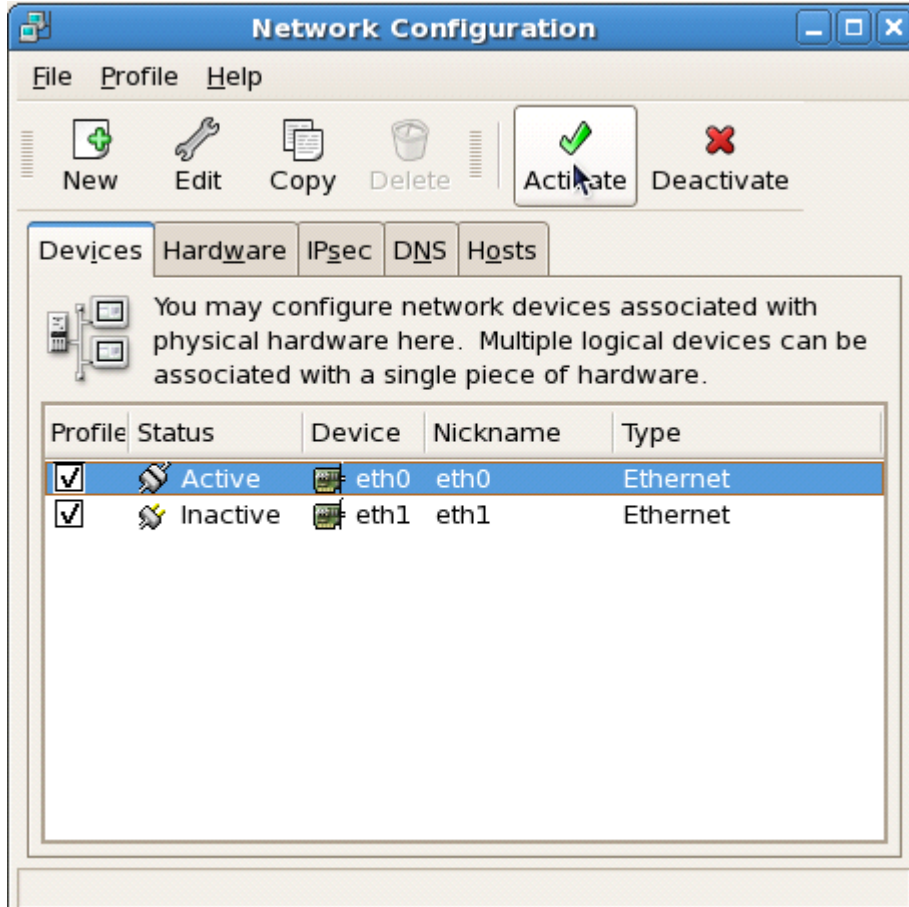
Default gateway address:

☐ Set MTU to:

 Cancel  OK

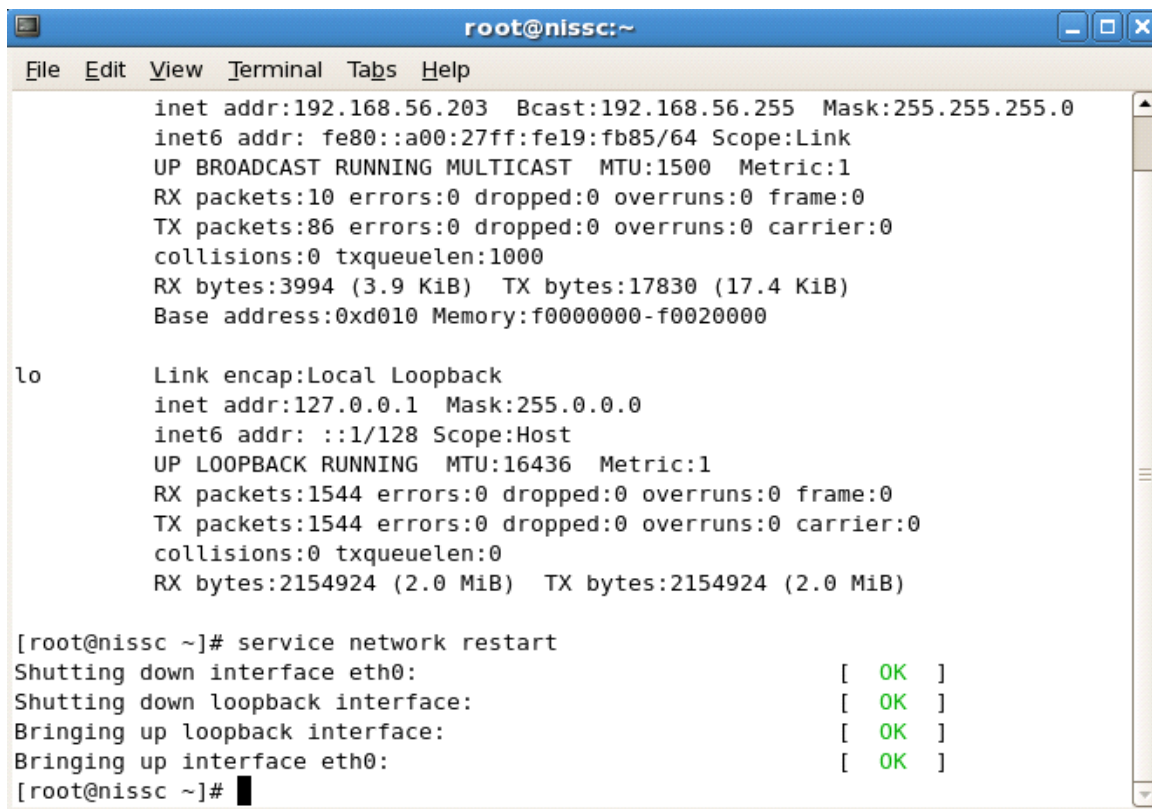


最后千万不要忘记点击这个



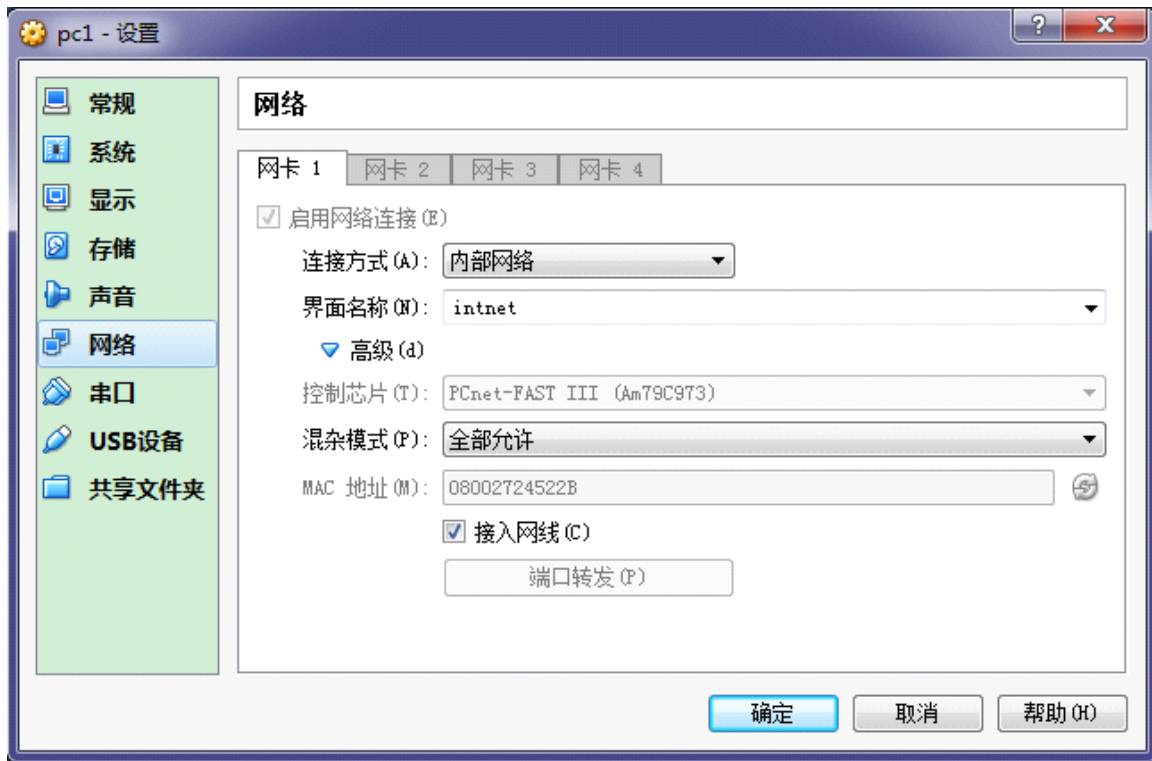
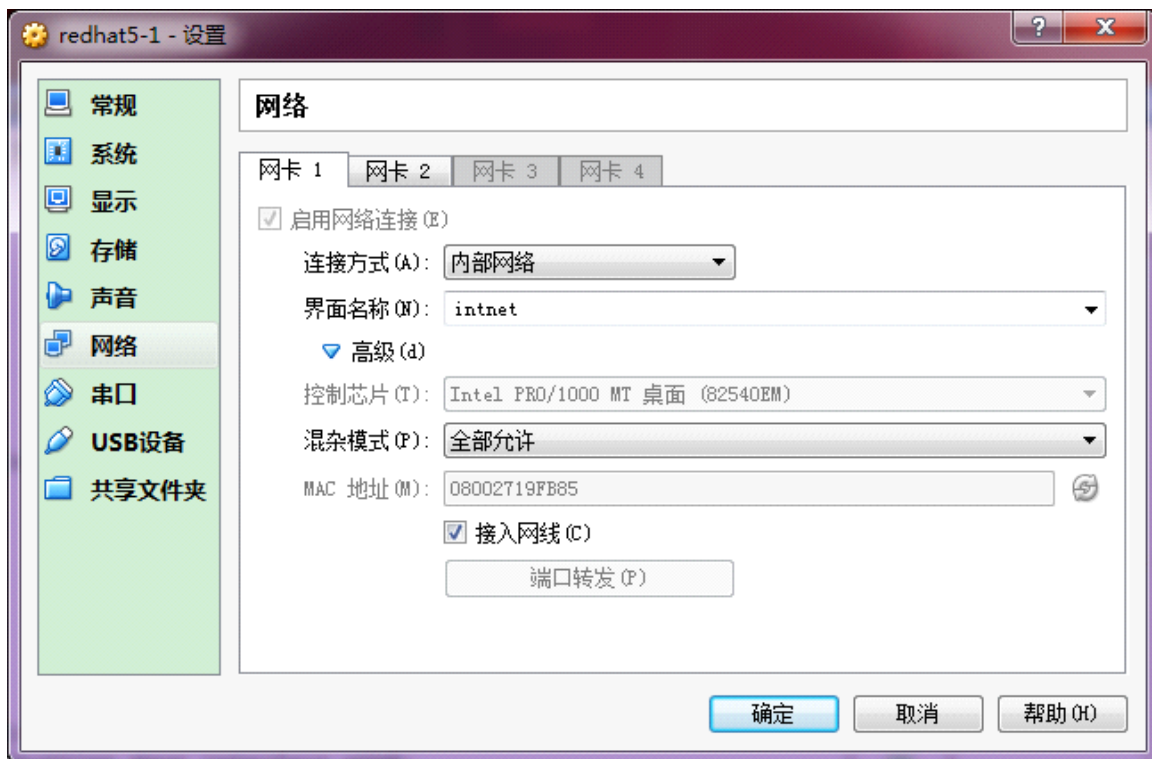
最好再使用下 `service network restart`

重启下网卡服务，这样启动快一点

A terminal window titled 'root@nissc:~' with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal displays network configuration for 'lo' and 'eth0' interfaces, followed by the command 'service network restart' and its output. The output shows 'Shutting down interface eth0:', 'Shutting down loopback interface:', 'Bringing up loopback interface:', and 'Bringing up interface eth0:', each followed by '[OK]'. The prompt '[root@nissc ~]#' is visible at the bottom.

```
root@nissc:~  
File Edit View Terminal Tabs Help  
    inet addr:192.168.56.203 Bcast:192.168.56.255 Mask:255.255.255.0  
    inet6 addr: fe80::a00:27ff:fe19:fb85/64 Scope:Link  
    UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  
    RX packets:10 errors:0 dropped:0 overruns:0 frame:0  
    TX packets:86 errors:0 dropped:0 overruns:0 carrier:0  
    collisions:0 txqueuelen:1000  
    RX bytes:3994 (3.9 KiB) TX bytes:17830 (17.4 KiB)  
    Base address:0xd010 Memory:f0000000-f0020000  
  
lo    Link encap:Local Loopback  
    inet addr:127.0.0.1 Mask:255.0.0.0  
    inet6 addr: ::1/128 Scope:Host  
    UP LOOPBACK RUNNING MTU:16436 Metric:1  
    RX packets:1544 errors:0 dropped:0 overruns:0 frame:0  
    TX packets:1544 errors:0 dropped:0 overruns:0 carrier:0  
    collisions:0 txqueuelen:0  
    RX bytes:2154924 (2.0 MiB) TX bytes:2154924 (2.0 MiB)  
  
[root@nissc ~]# service network restart  
Shutting down interface eth0:          [ OK ]  
Shutting down loopback interface:      [ OK ]  
Bringing up loopback interface:        [ OK ]  
Bringing up interface eth0:           [ OK ]  
[root@nissc ~]#
```

为了不影响实验效果，使用内部网络模式，直接开启内部交换网络，我使用的是virtualbox，这个软件好处就是最大的时候我可以同时启动服务器24台，足够说明他占用资源的少了吧！测试的时候使用这个，当然你要对于vm虚拟机已经非常熟练后，呵呵！@



准备工作完成，现在开始正式开始配置 D H C P

现在可以配置redhat5
IP: 192.168.99.22/24

现在开始配置pc1

ip: dhcp自动获取

安装包

```
root@dhcp:/mnt/cdrom/Server
[root@dhcp ~]# mount /dev/cdrom /mnt/cdrom
mount: block device /dev/cdrom is write-protected, mounting read-only
[root@dhcp ~]# cd /mnt/cdrom/Server/
[root@dhcp Server]# rpm -ihv dhcp-
dhcp-3.0.5-3.el5.i386.rpm      dhcp-devel-3.0.5-3.el5.i386.rpm
[root@dhcp Server]# rpm -ihv dhcp-
dhcp-3.0.5-3.el5.i386.rpm      dhcp-devel-3.0.5-3.el5.i386.rpm
[root@dhcp Server]# rpm -ihv dhcp-3.0.5-3.el5.i386.rpm
warning: dhcp-3.0.5-3.el5.i386.rpm: Header V3 DSA signature: NOKEY, key ID 37017
186
Preparing...                  ##### [100%]
 1:dhcp                        ##### [100%]
[root@dhcp Server]# █

[root@dhcp Server]# cp -pv /usr/share/doc/dhcp-3.0.5/dhcpd.conf.sample /etc/dhcp
d.conf
cp: overwrite '/etc/dhcpd.conf'? y
'/usr/share/doc/dhcp-3.0.5/dhcpd.conf.sample' -> '/etc/dhcpd.conf'
[root@dhcp Server]# █
```

获取的时候由于现在没有中继的原因就只做本地的dhcp如果要比赛中的的话直接把本地的那个只写如下

```
subnet 192.169.99.0 netmask 255.255.255.0 {
}
```

其他的照旧

地方时就和现在本地配置一样，到时候是路由交换配置那边直接命令中继，可以得到这个，不需要管到底是那个vlan，这个没有必要想，只要分配即可，只要能启动服务说明配置正确

我写的配置是：


```
root@nissc:/mnt/cdrom/Server
File Edit View Terminal Tabs Help
[root@nissc Server]# cat /etc/dhcpd.conf
ddns-update-style interim;
ignore client-updates;

subnet 192.168.99.0 netmask 255.255.255.0 {

# --- default gateway
    option routers                192.168.99.1;
    option subnet-mask            255.255.255.0;

    option nis-domain              "nis.xingxing.com";
    option domain-name            "xingxing.com";
    option domain-name-servers    8.8.8.8;

    option time-offset            -18000; # Eastern Standard Time
#    option ntp-servers            192.168.1.1;
#    option netbios-name-servers  192.168.1.1;
# --- Selects point-to-point node (default is hybrid). Don't change this unless
# -- you understand Netbios very well
#    option netbios-node-type 2;

    range dynamic-bootp 192.168.99.128 192.168.99.200;
    default-lease-time 21600;
    max-lease-time 43200;

    # we want the nameserver to appear at a fixed address

}
[root@nissc Server]#
```

配置完成重启服务

Service dhcpd restart

客户端获取


```
pc1 (PC1初始安装) [正在运行] - Oracle VM VirtualBox
控制 视图 设备 帮助
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : pc1
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Unknown
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No
    DNS Suffix Search List. . . . . : xingxing.com

Ethernet adapter 本地连接:

    Connection-specific DNS Suffix . : xingxing.com
    Description . . . . . : AMD PCNET Family PCI Ethernet Adapter
    Physical Address. . . . . : 08-00-27-24-52-2B
    Dhcp Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    IP Address. . . . . : 192.168.99.200
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.99.1
    DHCP Server . . . . . : 192.168.99.22
    DNS Servers . . . . . : 8.8.8.8
    Lease Obtained. . . . . : 2013年12月6日 21:23:07
    Lease Expires . . . . . : 2013年12月7日 3:23:07

C:\Documents and Settings\Administrator>
```