



By default Fedora, installs the net-snmp package as its SNMP server product. This package uses a configuration file named /etc/snmp/snmpd.conf in which the community strings and other parameters may be set. The version of the configuration file that comes with net-snmp is quite complicated. I suggest archiving it and using a much simpler version with only a single line containing the keyword rocommunity followed by the community string. Here is an example.

I have used following community string for read access: "home_ro"

1) Save the old configuration file

```
[root@fedora tmp]# cd /etc/snmp/  
[root@fedora snmp]# mv snmpd.conf snmpd.conf.old  
[root@fedora snmp]# vi snmpd.conf
```

2) Enter the following line in the new configuration file to set the Read Only community string to home_ro

```
rocommunity home_ro
```

3) Enter the following lines in the new configuration file to set System Contact Information

```
syslocation Home-Office  
syscontact Rainer Bemsel
```

3) Configure Linux to start SNMP services on each reboot with the chkconfig command:

```
[root@fedora root]# chkconfig snmpd on  
[root@fedora root]#
```

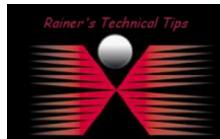
4) Start SNMP to load the current configuration file.

```
[root@fedora root]# service snmpd start  
Starting snmpd: [ OK ]  
[root@fedora root]#
```

5) Test whether SNMP can read the system and interface MIBs using the snmpwalk command.

```
[root@fedora snmp]# snmpwalk -v 2c -c home_ro localhost system
```

```
root@fedora:/  
File Edit View Terminal Tabs Help  
[root@fedora /]# snmpwalk -v 2c -c home_ro 192.168.10.60 system  
SNMPv2-MIB::sysDescr.0 = STRING: Hardware: x86 Family 15 Model 4 Stepping 9 AT/AT COMPATIBLE - Software: Windows  
Version 5.2 (Build 3790 Multiprocessor Free)  
SNMPv2-MIB::sysObjectID.0 = OID: SNMPv2-SMI::enterprises.311.1.1.3.1.2  
SNMPv2-MIB::sysUpTime.0 = Timeticks: (2069548) 5:44:55.48  
SNMPv2-MIB::sysContact.0 = STRING:  
SNMPv2-MIB::sysName.0 = STRING: BLADE-VM1  
SNMPv2-MIB::sysLocation.0 = STRING:  
SNMPv2-MIB::sysServices.0 = INTEGER: 76  
[root@fedora /]#
```

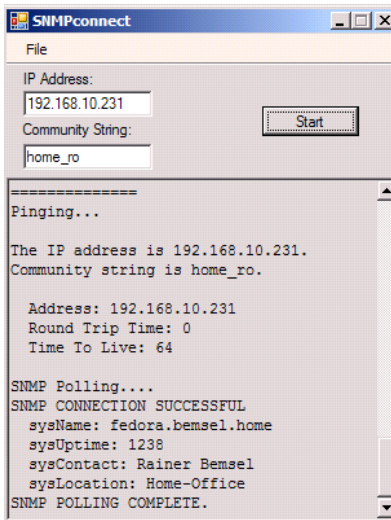


DISCLAIMER

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Now, we know you get SNMP GET's locally. Let's check with a remote SNMP Get. You could use any kind of SNMP Tool, you may already have,



Alternatively, there used to be a command line utility with Windows NT Resource Kit, called SNMPUTIL.EXE

```
C:\Users\rbemsel>snmputil getnext 192.168.10.231 home_ro .1.3
Variable = system.sysDescr.0
Value    = String Linux fedora.bemsel.home 2.6.9-1.667 #1 Tue Nov 2 14:41:25 EST 2004
i686
```

```
C:\Users\rbemsel>
```

Knowing, we can connect to the SNMP Agent running on Linux, you now can use your favorite SNMP Tool to monitor different statistics.

