



How to enable and configure SNMP on ESX 4

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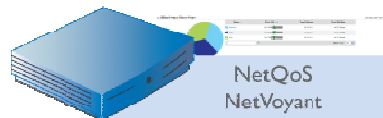
In ESX 4, VMware created an own SNMP agent and is disabled by default. They also removed .6878 OIDs from the SNMPD Agent built into the 3.5 version of ESX. To get SNMP back on track, there are few things to do

esx-1.bemsel.home



192.168.10.162

NetVoyant



192.168.10.73

Turn off SNMP Daemon on ESX 4 (in the case it is started)

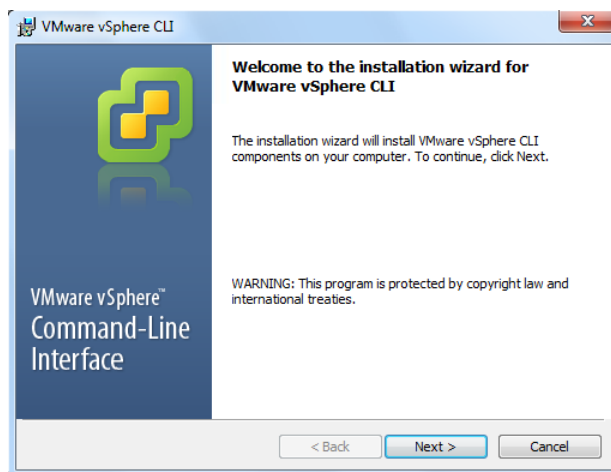
On the local terminal of the ESX turn off SNMPD in case, you had it previously started

```
[root@esx-1 ~]# service snmpd stop
```

Next2, you will need to download VMware vSphere Command-Line Interface for your ESX Version. This will allow you to run common system administration commands against ESX System from any machine with network access to those systems.

Those CLI Installer kits are available for Windows, Linux 32bit and Linux 64bit.

In this document, I did use: VMware-vSphere-CLI-4.0.0-253290.EXE



Accept all defaults and let the installer do the job. This CLI is based on Perl. When finished, you are ready to use the Command-Line Interface with vSphere



DISCLAIMER

This Technical Tip or TechNote is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific system installations / configurations. Readers should consult each Vendor for further information or support.

Although I believe the information provided in this document to be accurate at the time of writing, I reserve the right to modify, update, retract or otherwise change the information contained within for any reason and without notice. This technote has been created after studying the material and / or practical evaluation by myself. All liability for use of the information presented here remains with the user.

Open a command prompt and change into: C:\Program Files\VMware\VMware vSphere CLI\bin>

Verify current SNMP Setting

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass --show
```

RESULT:

```
Current SNMP agent settings:  
Enabled : 0  
UDP port : 161
```

```
Communities :  
public
```

```
Notification targets :
```

Change Community String

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl -server 192.168.10.162  
--username root --password mypass -c pub_read
```

RESULT:

```
Changing community list to: pub_read...  
Complete.
```

Enable SNMP on ESX Server

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass --enable
```

RESULT:

```
Enabling agent...  
Complete.
```

Verify if SNMP is enabled

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass --show
```

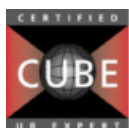
RESULT:

```
Current SNMP agent settings:  
Enabled : 1  
UDP port : 161
```

< ----- "1" means "enabled"

```
Communities :  
home_ro
```

```
Notification targets :
```



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Configure the SNMP Agent to Send Traps

```
C:\Program Files\VMware\VMware vSphere CLI\bin>  
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass -t 192.168.10.73@162/pub_read
```

RESULT:

Changing notification(trap) targets list to: 192.168.10.73@162/pub_read...
Complete.

Verify Changes

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass --show
```

RESULT:

Current SNMP agent settings:

```
Enabled : 1  
UDP port : 161
```

Communities :
pub_read

Notification targets :
192.168.10.235@162/pup_read

Send Test Trap (The agent sends a warmStart trap to the configured target)

```
C:\Program Files\VMware\VMware vSphere CLI\bin>vicfg-snmp.pl --server 192.168.10.162  
--username root --password mypass -test
```

RESULT:

Sending test notification(trap) to all configured targets...
Complete. Check with each target to see if trap was received.

