Enable SNMP on Citrix Xenserver distribution

The procedure for enabling SNMP on a Citrix Xenserver server is fairly straightforward. You need to connect via SSH with your 'root' user. This procedure has been tested on version 8 of Xenserver.

Then type the following command to activate SNMP.

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```
chkconfig snmpd
```

You can now edit the configuration file

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```
nano /etc/snmp/snmpd.conf
```

At the beginning of the file, add a line of the type *rocommunity public <ip de votre esia/unity>* for example:

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```
rocommunity public 192.168.1.3/32
```

Then configure the firewall to allow port 161. We need to edit the following file:

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```
nano /etc/sysconfig/iptables
```

Just before the line *"-A RH-Firewall-1-INPUT -j REJECT –reject-with icmp-host-prohibited".* add the following line, putting the IP of your Unity/Esia server.

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```
-A RH-Firewall-1-INPUT -s <IP> -p udp -m udp --dport 161 -j ACCEPT
```

Here is an example of a complete file:

```
# DHCP for host internal networks (CA-6996)
-A RH-Firewall-1-INPUT -p udp -m udp --dport 67 --in-interface xenapi -j
ACCEPT
-A RH-Firewall-1-INPUT -m conntrack --ctstate ESTABLISHED,RELATED -j ACCEPT
# Linux HA hearbeat (CA-9394)
-A RH-Firewall-1-INPUT -m conntrack --ctstate NEW -m udp -p udp --dport 694
```

```
-j ACCEPT
-A RH-Firewall-1-INPUT -m conntrack --ctstate NEW -m tcp -p tcp --dport 22 -
j ACCEPT
-A RH-Firewall-1-INPUT -m conntrack --ctstate NEW -m tcp -p tcp --dport 80 -
j ACCEPT
-A RH-Firewall-1-INPUT -m conntrack --ctstate NEW -m tcp -p tcp --dport 443
-j ACCEPT
# dlm
-A RH-Firewall-1-INPUT -p tcp -m tcp --dport 21064 -j ACCEPT
-A RH-Firewall-1-INPUT -p udp -m multiport --dports 5404,5405 -j ACCEPT
-A RH-Firewall-1-INPUT -s 10.10.0.20/32 -p udp -m udp --dport 161 -j ACCEPT
-A RH-Firewall-1-INPUT -j REJECT --reject-with icmp-host-prohibited
COMMIT
```

Now all you have to do is restart your firewall and the SNMP agent

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```
service iptables restart
service snmpd restart
```

SNMP is now enabled on your Xenserver server. It will be recognised as a Linux server in the interface. You can add the “default_snmp_linux_server” or “default_gesa_linux_server” pattern to it via the following link: Apply patterns to your nodes

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