Enabling SNMP on Debian / Ubuntu

To configure snmp on Linux, you first need to install the snmpd package with the command :

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```
apt-get install snmpd
```

Then edit the configuration file :

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

Change the following line (or put it as a comment):

```
agentAddress udp:127.0.0.1:161
```

And replace it with :

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```
agentAddress udp:0.0.0.0:161
```

Next, you need to configure the SNMP community:

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```
rocommunity read_community default
```

or rocommunity “ community name ” “ range ip (unique ip) /subnet mask ”.

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```
rocommunity read_community 10.7.0.14/32
```

WARNING, do not leave rocommunity with the default systemonly view (comment, delete or modify the following line):

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```
# rocommunity public default -V systemonly
```

Then restart the SNMP service by typing :

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```
/etc/init.d/snmpd restart
```

To**avoid** the agent adds a line every X minutes to your log file (each time the Esia server interrogates it), don't forget to make SNMP less verbose.

- Make SNMP less verbose Debian (up to Jessie) / Ubuntu
- Make SNMP less verbose Debian (Since Stretch)

Make SNMP less verbose Debian (until Jessie) / Ubuntu

In the /etc/default/snmpd file, replace the following line :

```
SNMPDOPTS='-Lsd -Lf /dev/null -u snmp -g snmp -I -
smux,mteTrigger,mteTriggerConf -p /run/snmpd.pid'
```

with the following:

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```
SNMPDOPTS='-LS4d -Lf /dev/null -u snmp -g snmp -I -
smux,mteTrigger,mteTriggerConf -p /run/snmpd.pid'
```

Lsd stands for Ls FACILITY where facility can be ('d' for LOG_DAEMON, 'u' for LOG_USER, or '0'-'7' for LOG_LOCAL0 through LOG_LOCAL7).

LS4d stands for LS LEVEL FACILITY and is therefore used to specify the error LEVEL (5 LOG_NOTICE by default) before the FACILITY (see above). The different levels are :

```
0 ou ! pour LOG_EMERG,
1 ou a pour LOG_ALERT,
2 ou c pour LOG_CRIT,
3 ou e pour LOG_ERR,
4 ou w pour LOG_WARNING,
5 ou n pour LOG_NOTICE,
6 ou i pour LOG_INFO, and
7 ou d pour LOG_DEBUG.
```

Making SNMP less verbose Debian (From Stretch)

Enter the following command:

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```
systemctl edit snmpd
```

This will (among other things) create the file « /etc/systemd/system/snmpd.service.d/override.conf ». Add this code to the :

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```
[Service]
ExecStart=
ExecStart=/usr/sbin/snmpd -LS4d -Lf /dev/null -u Debian-snmp -g
Debian-snmp -I -smux,mteTrigger,mteTriggerConf -f
```

Then restart the SNMP service by typing :

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```
service snmpd restart
```

On Debian Buster if the service command does not exist you can restart with this command:

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```
systemctl restart snmpd
```

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