

# 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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