

LibreNMS ?????SNMP??

?????????Snmpd

```
apt install snmpd -y
```

Linux

SNMP

LibreNMS

Distro

```
curl -o /usr/bin/distro https://raw.githubusercontent.com/librenms/librenms-agent/master/snmp/distro
chmod +x /usr/bin/distro
```

??Snmpd

/etc/snmp/snmpd.conf

```
agentAddress udp:192.168.0.1:161

view systemview included .1.3.6.1.2.1.1
view systemview included .1.3.6.1.4.1.2021
view systemview included .1.3.6.1.2.1.25
view systemview excluded .1.3.6.1.4.1.2021.13.16
view systemview included .1.3.6.1.2.1.2
view systemview included .1.3.6.1.2.1.31
extend .1.3.6.1.4.1.2021.7890.1 distro /usr/bin/distro
rocommunity nms 192.168.0.10/32 -V systemview
includeAllDisks 10%
load 12 10 5
```

extend GPT

extend .1.3.6.1.4.1.2021.7890.x ...

1. SNMP / LibreNMS agent
extend .1.3.6.1.4.1.2021 UCD-SNMP-MIB MIB
CPU/Mem/Load
2.
Cacti Nagios plugins LibreNMS .2021.7890.x

#####

view#####

3. #####

NET-SNMP-EXTEND-MIB

##

net-snmp (5.4+) ##

##

extend <name> <command> #####

.1.3.6.1.4.1.8072.1.3

##

#####

```
view systemview included .1.3.6.1.4.1.8072.1.3
```

```
extend distro /usr/bin/distro
```

??????

```
snmpd#####192.168.0.1##
```

```
#####
```

```
.1.3.6.1.2.1.1 #####
```

```
.1.3.6.1.4.1.2021 CPU #####
```

```
.1.3.6.1.2.1.25 #####
```

```
.1.3.6.1.2.1.2 #####interface#####
```

```
.1.3.6.1.2.1.31 ##### 64-bit #####
```

```
excluded .1.3.6.1.4.1.2021.13.16 ##### sensors #####LXC##### sensors##
```

```
.1.3.6.1.4.1.8072.1.3 NET-SNMP-EXTEND-MIB##
```

```
extend distro /usr/bin/distro  /usr/bin/distro####
```

```
##### nms
```

```
##librenms## 192.168.0.10 ##
```

```
includeAllDisks 10% #####
```

```
load 12 10 5 #####
```

Librenms#####

Operating System#####

Operating System

proxmox pve
5.15.74-1-pve (Debian 12.0)

proxmox pve
5.15.74-1-pve (Debian 12.0)

proxmox pve
5.15.74-1-pve (Ubuntu 18.04)

proxmox pve
5.15.74-1-pve (Debian 12.0)

proxmox pve
5.15.74-1-pve (Debian GNU/Linux 11 (bullseye))

Linux
5.4.188 (OpenWrt 21.02.3)

proxmox pve
5.15.74-1-pve (Debian 12.0)

proxmox pve
5.15.74-1-pve (Ubuntu 22.04)

Linux
4.15.18-pnetlab2 (Ubuntu 18.04)

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