

ARTICA v4

Proxy service monitoring SNMP

Version 4.30 SP28



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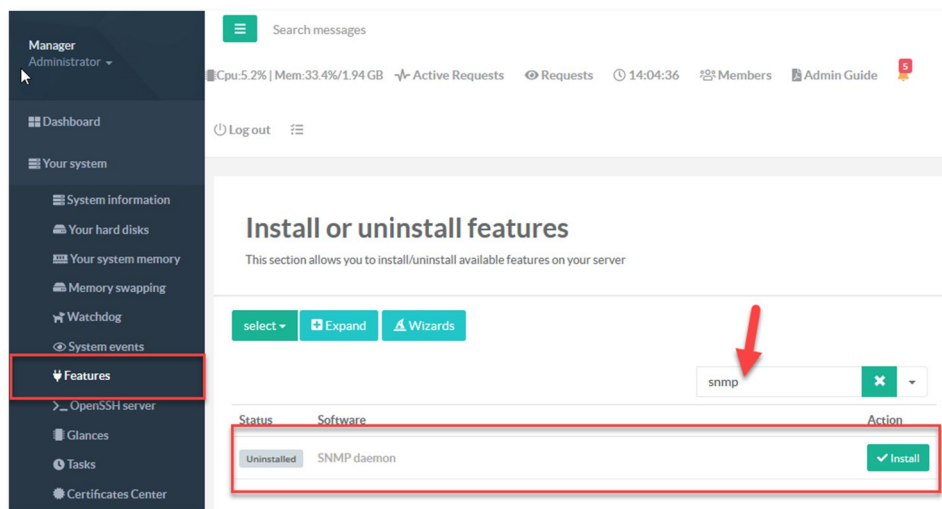
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Proxy Monitoring via SNMP

The proxy service can be monitored using the SNMP agent.
The SNMP agent is able to provide both system monitoring and proxy monitoring.

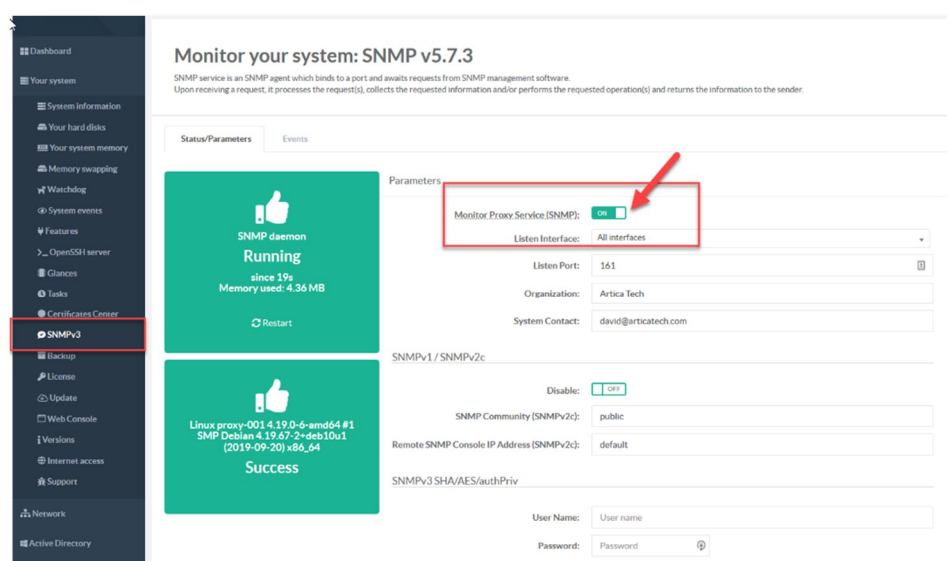
INSTALL THE SNMP SERVICE

- ✓ On the left menu, choose “Your system” and “Features”
- ✓ On the search field, type SNMP
- ✓ Click on **install** button under the “SNMP Daemon” row



SET SNMP PARAMETERS

- ✓ A new section can be displayed on the left menu, “Your System” and “SNMPv3”
- ✓ Ensure that the option “Monitor Proxy Service (SNMP)” is turned to ON.
- ✓ Modify parameters according to your needs (listen port and community)



The status on the left section give you 2 status (starting 4.30 SP28).

1. The first one display the status of the SNMP information for the entire **system**
2. The second one, display the status of the SNMP information for the **proxy** service.

Status/Parameters Events

Parameters

Monitor Proxy Service (SNMP): ☒

Listen Interface: All interfaces

Listen Port: 161

Organization: Artica Tech

System Contact: david@articatech.com

SNMPv1 / SNMPv2c

SNMP Community (SNMPv1 / SNMPv2c):

Remote SNMP Console IP Address (SNMPv2c): default

SNMPv3 SHA/AES/authPriv

SNMPv3 SHA/AES/authPriv:

Password (Confirm):

Passphrase: Passphrase

« Apply »

SNMP System OK

SNMP PROXY OK

SNMP daemon
Running
since 2h 43mn 35s
Memory used: 5.31 MB
Restart

Linux proxy-001 4.19.0-6-amd64 #1
SMP Debian 4.19.67-2+deb10u1
(2019-09-20) x86_64
Success

Proxy service Success
v4.8

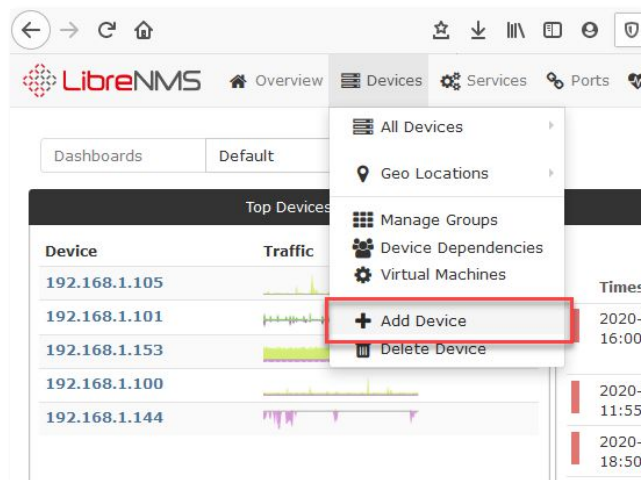
Where to find the mib for the proxy service ?

The MIB for the proxy service can be retrieved here:

<http://articatech.net/download/mib-proxy.zip>

Monitor your Artica server with LibreNMS

Click on **Devices** and **Add Device**



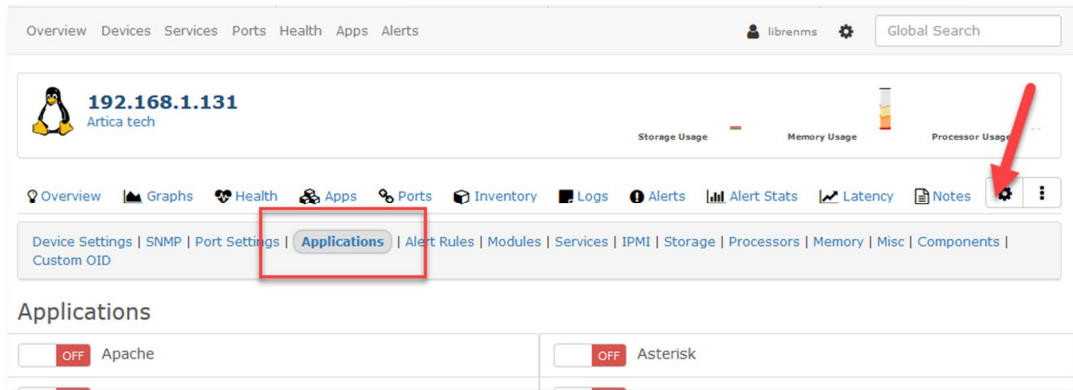
- ✓ Set the IP address of your Artica server in “**Hostname or IP**” field
- ✓ Add **161** in the field port
- ✓ Set the **community** defined in the Artica Web console.
- ✓ Click on **Add device** button

A screenshot of the 'Add Device' form in LibreNMS. The form includes fields for 'Hostname or IP' (192.168.1.131), 'SNMP' (ON), 'SNMP Version' (v2c), 'Port' (161), 'Port Association Mode' (ifIndex), 'Community' (public), and 'Force add' (OFF). The 'Add Device' button is at the bottom. Red boxes highlight the 'Hostname or IP', 'Port', and 'Community' fields.

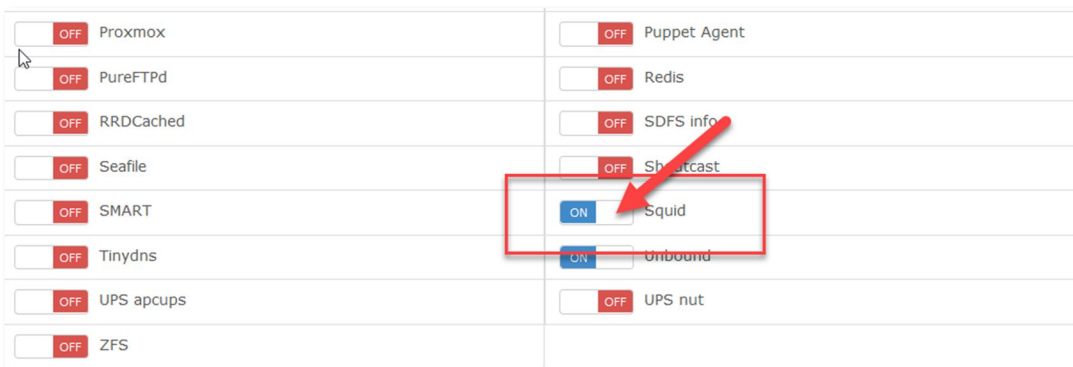
On the green status, click on the IP address of the added device



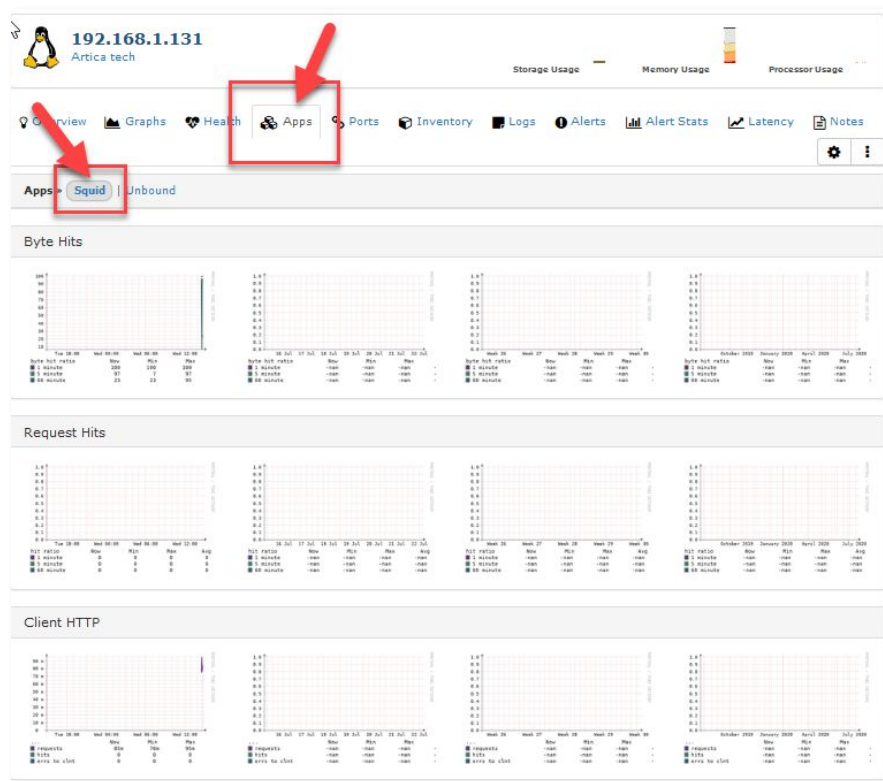
- ✓ Click on the **settings** button of the added device.
- ✓ Choose **Applications** top menu.



- ✓ Down to the list in order to enable the “Squid” application.



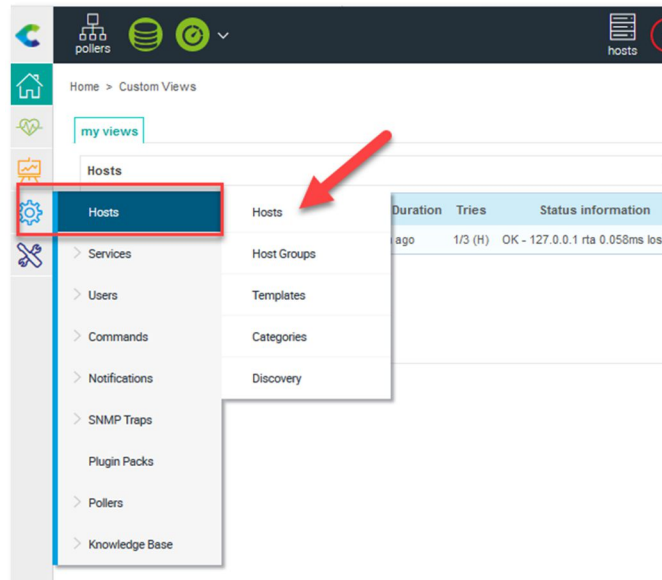
After few minutes, you will see generated graphs on **Apps** tab and **squid** section.



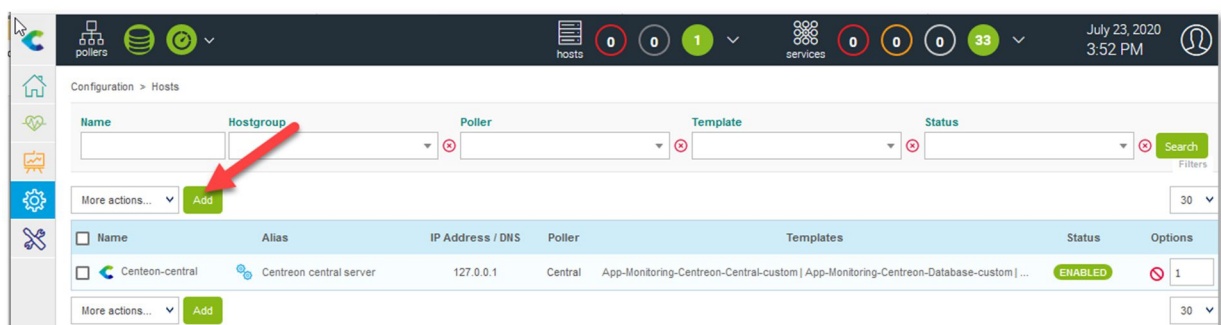
Monitor your Artica server with Centreon

ADD THE HOST

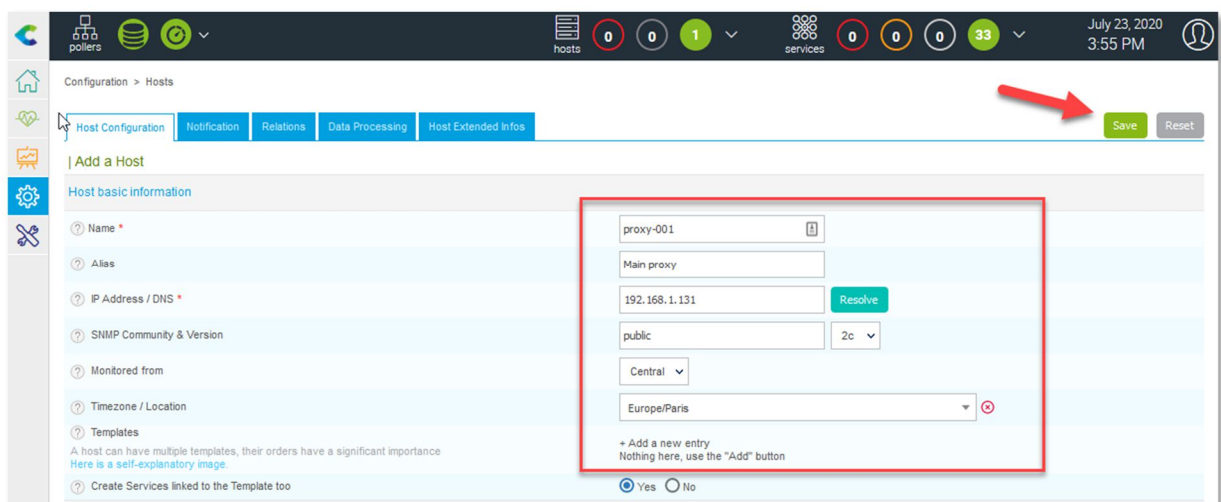
On the left side, choose Parameters / Hosts / Hosts



Click on the “Add” button



Set basic information to reach your Artica server and click on “Save” button.

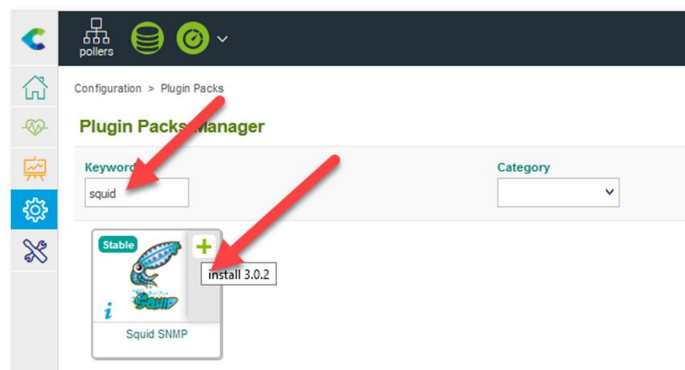


ADD PROXY SERVICE.

On the Centreon system type this command:

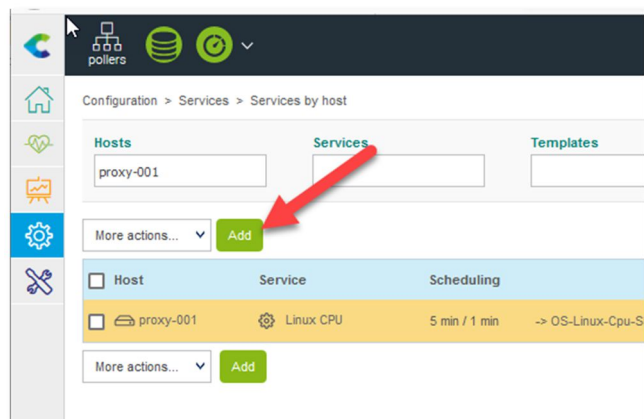
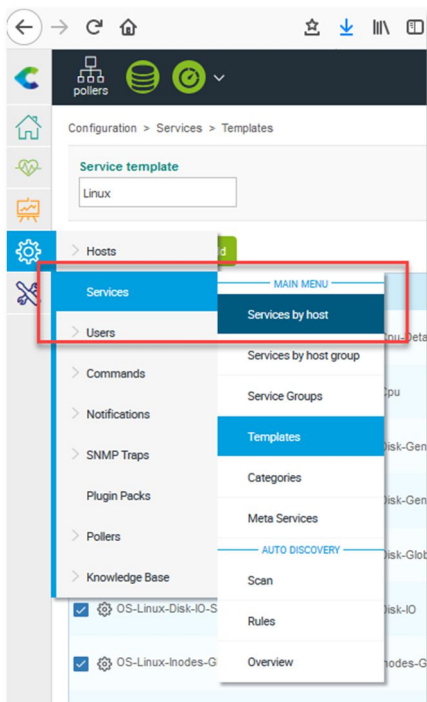
```
yum install centreon-plugin-Applications-Squid-Snmp
```

- ✓ On the left menu, choose Services / Services by host
- ✓ Then, click on Add button on the top table section
- ✓ Or new modern Centreon, with a valid license, go to **Configuration / Plugins** packs
- ✓ Search the record “squid” and click on it in order to enable the plugin.



AFFECT PROXY SERVICE

- ✓ On the left menu, choose “Configuration / services / services by host”
- ✓ Click on **Add** button



You can affect the following monitoring services :

- ✓ App-Squid-Cache-Usage-SNMP,
- ✓ App-Squid-Cache-Usage-SNMP-custom,
- ✓ App-Squid-Protocol-Stats-SNMP,
- ✓ App-Squid-Protocol-Stats-SNMP-custom,

