

Configure SNMP on Sangfor NGAF so that it can be read in real-time in the Prtg-Admin

***Product: NGAF**

***Version: 8.0.47**

***1. Introduction**

1.1 Scenario

In this article, we will introduce how to use the SNMP protocol to monitor the Sangfor NGAF device. The services that will be monitored are CPU resource usage, memory availability, and interface traffic (eth2). This is needed for a network engineer because it is very practical, effective & efficient. Whenever and wherever you can monitor the condition of the firewall in the company with your smartphone.

The test results obtained from the SNMP settings in Sangfor NGAF were then displayed with Prtg admin, the results of monitoring the NGAF device, namely the condition of CPU, memory, and traffic in a real-time conditions interface.

1.2 Requirements

- 1). The user has an NGAF Firewall device
- 2). Have 1 PC for the prtg-admin server

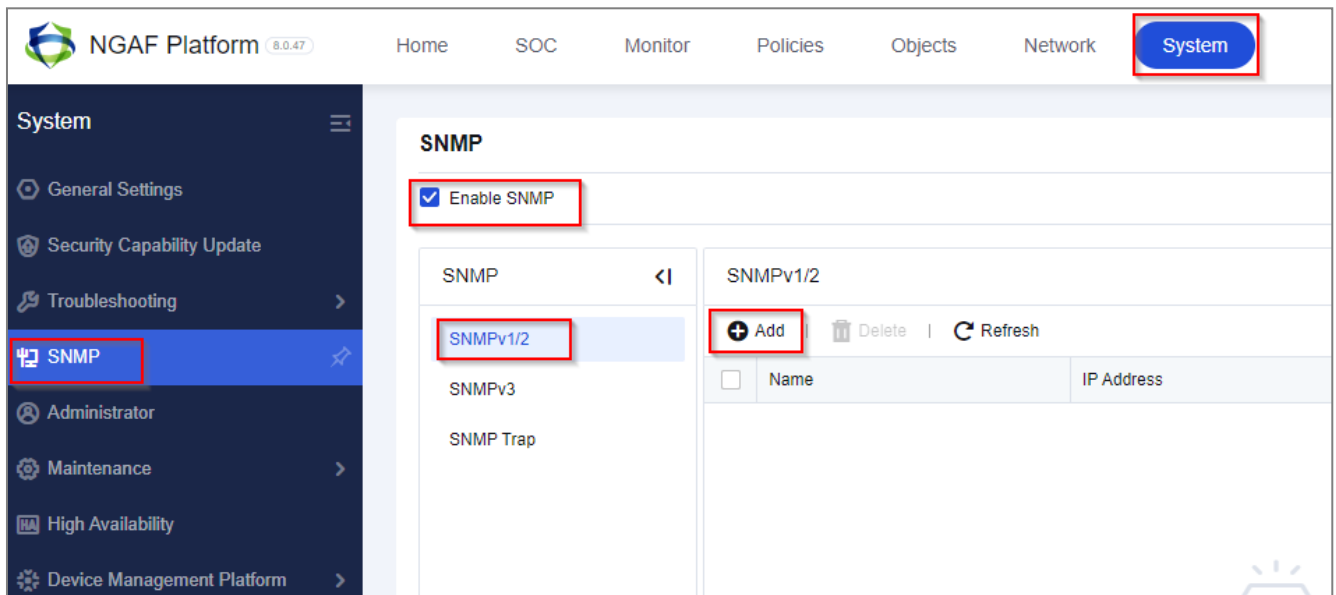
***2. Configuration Guide**

2.1. Activate the snmp

An important step to be able to monitor services on Sangfor is to activate the SNMP protocol. Then add the snmp trap along with the prtg-admin server address.

You can see the steps below:

- 1) Click the menu **System → SNMP**
- 2) Click the tick to **enable SNMP**
- 3) Choose **SNMPv1/2**
- 4) Press the button **Add**



5) The window dialogue **SNMPv1/2**, fill with below:

Name: PRTG-admin

Type: IP address

IP address: 192.168.0.100(example ip server prtg).

Community: local_network

SNMPv1/2

Name: PRTG-admin

Type: IP address

IP Address: 192.168.0.100

Community: local_network

Save Cancel

6) Press the **Save** button to save the configuration. If successful, it will look like the image below:

SNMP

☒ Enable SNMP

SNMPv1/2

Name	IP Address	Community
PRTG-admin	192.168.0.100	local_network

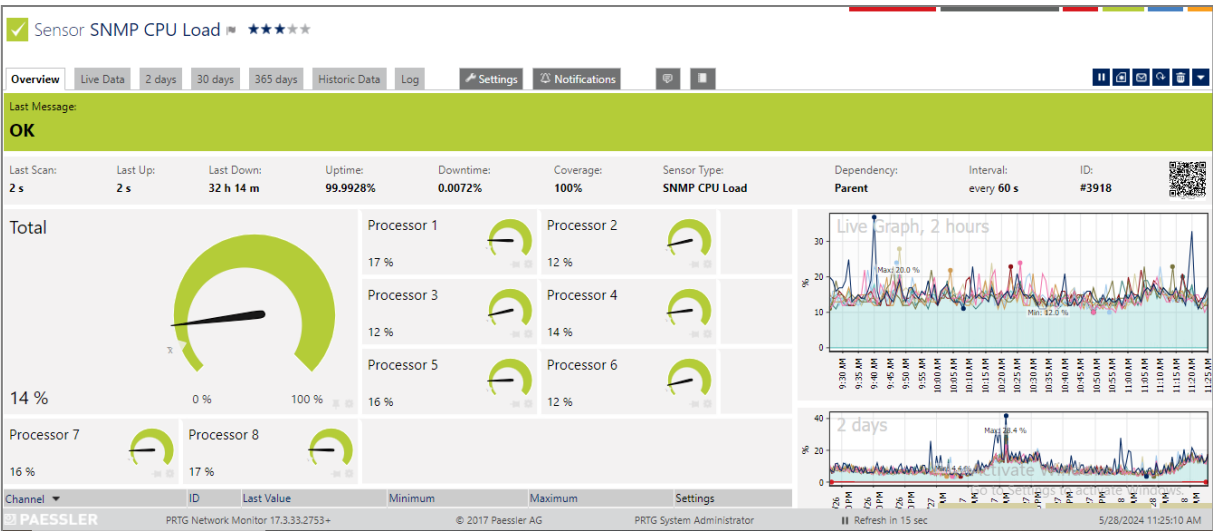
From here Sangfor has finished configuring, and you can use the SangforSNMP on the monitor server prtg-admin.

2.2. The test

From the test results in the prtg-admin monitoring software, the following are obtained:

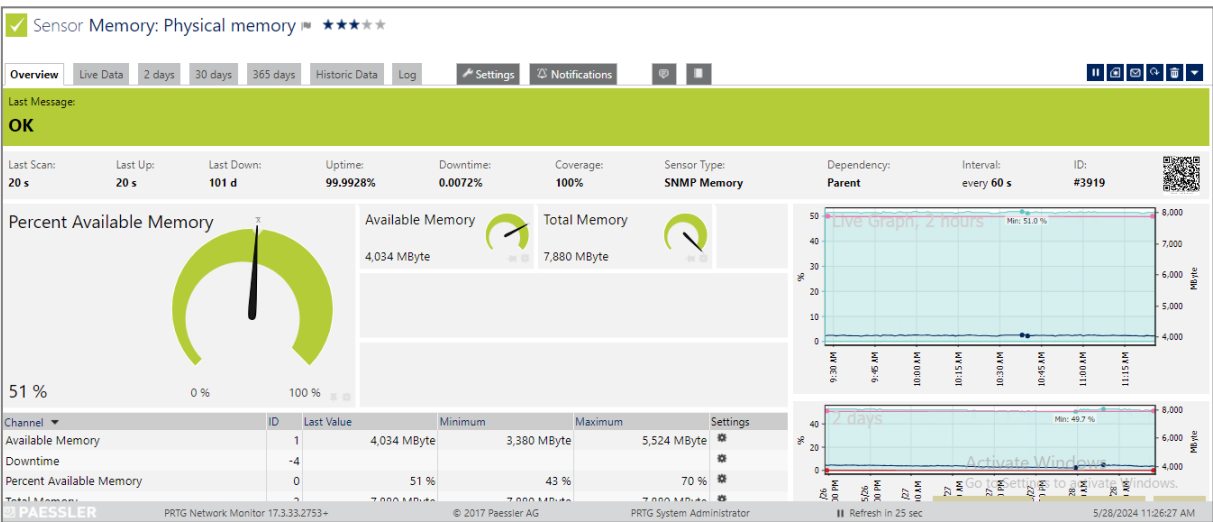
- a. CPU usage of the sangfor NGAF

The CPU usage on the Sangfor NGAF device is seen at 14%.



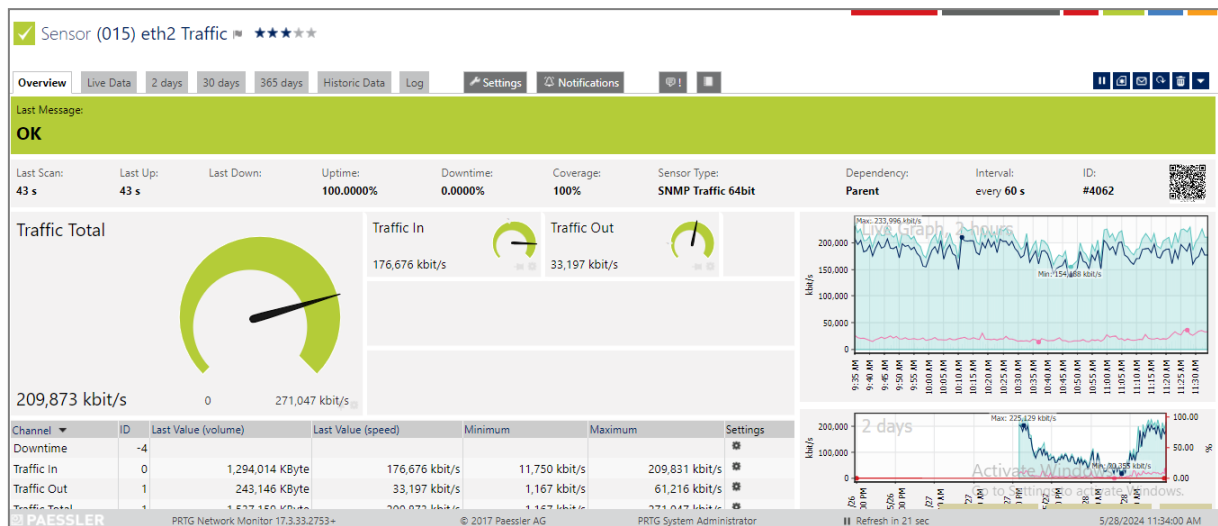
- b. Memory usage of the Sangfor NGAF.

Memory usage on Sangfor NGAF devices appears to be 51%.



- c. The traffic from interface **eth2** Sangfor NGAF.

The data traffic passing through the **eth2** interface looks as big as 209.87 kbit/s.



*3. Precaution

To avoid failures in reading data, ensure that the IP and community of the SNMP configuration is correct.