



Integrating Fortinet Firewall with PRTG: Step-by-Step Guide + Ping Sensor Setup

1. Log in to the
Fortinet
firewall and
navigate to
the SNMP tab

The screenshot shows the FortiGate VM64 interface. The left sidebar has a 'System' section with a 'SNMP' item highlighted by a red arrow. The main dashboard includes sections for System Information, Licenses, Virtual Machine, Security Fabric, Security Rating, Administrators, and performance monitors for CPU and Memory usage.

System Information:

- Hostname: FortiGate-VM
- Serial Number: FGVMEVWKMSKDU627
- Firmware: v6.0.0 build0076 (GA)
- Mode: NAT (Flow-based)
- System Time: 2025/04/13 03:11:49
- Uptime: 00:00:14:05
- WAN IP: Unknown

Licenses:

- FortiCare Support
- IPS
- AntiVirus
- Web Filtering
- Security Rating

Virtual Machine:

- FGVMEV License (warning icon)
- Expires on: 2025/04/28
- Allocated vCPUs: 1/1 (100% usage)
- Allocated RAM: 995 MiB / 1 GiB (97% usage)

Security Fabric:

- FortiGate-VM

Security Rating:

To get a Security Rating all FortiGates in the Security Fabric must have a valid Security Rating License

[How to Purchase](#)

Administrators:

- 1 Console
- 1 HTTP
- 0 FortiExplorer
- admin super_admin

Monitors:

- CPU: 1 minute
- Memory: 1 minute

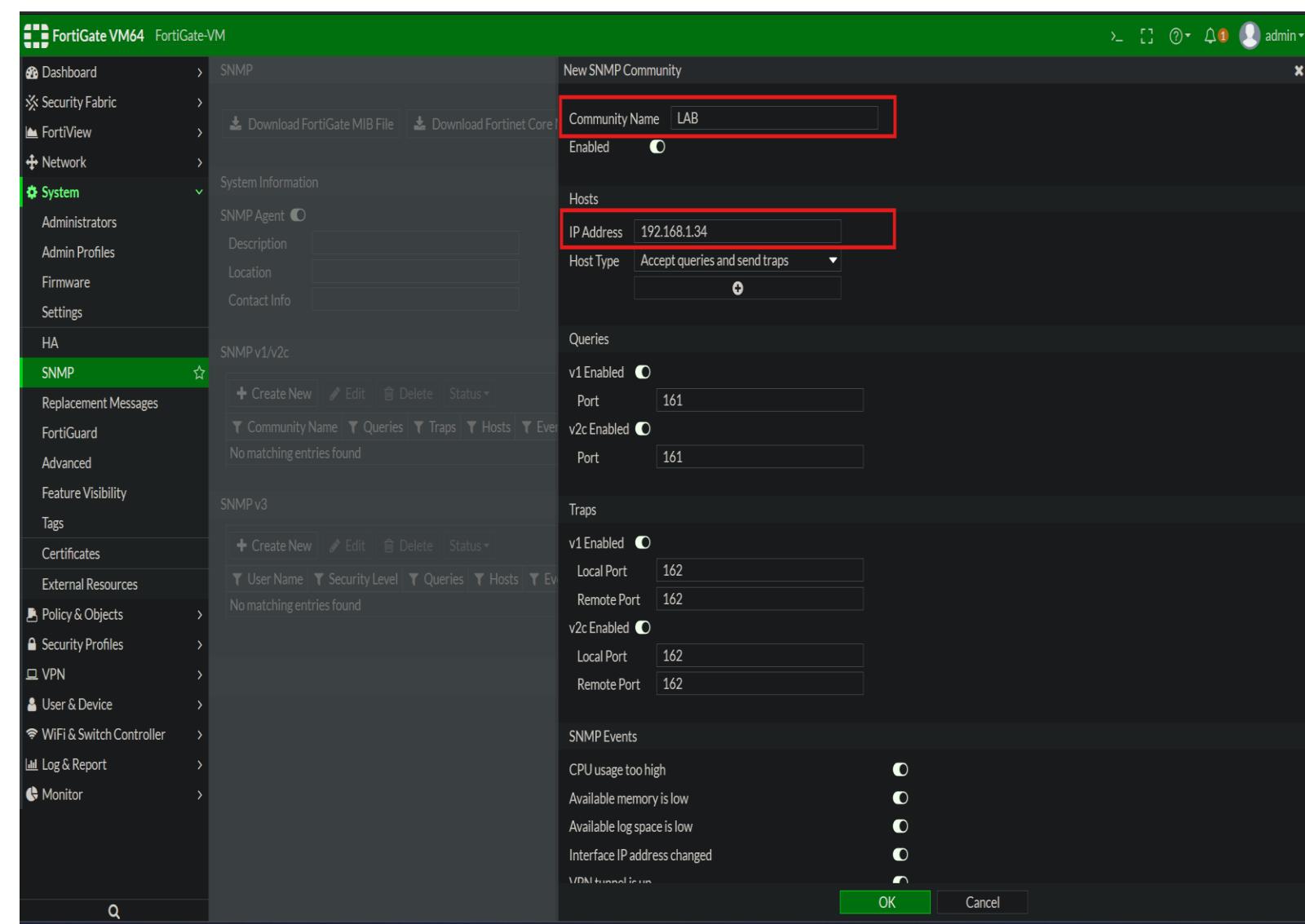
2. Enable SNMP agent

The screenshot shows the FortiGate VM64 interface with the title "FortiGate VM64 FortiGate-VM". The left sidebar has a dark theme with a white circle containing a smaller black circle. The main content area has a light background. The "System" section is expanded, and "SNMP" is selected. The "SNMP" page displays "System Information" and "SNMP Agent" settings. A red arrow points to the "SNMP Agent" toggle switch, which is currently off (indicated by a grey circle). Below it are fields for "Description", "Location", and "Contact Info". The "SNMP v1/v2c" and "SNMP v3" sections both show "No matching entries found". At the bottom right is a green "Apply" button.

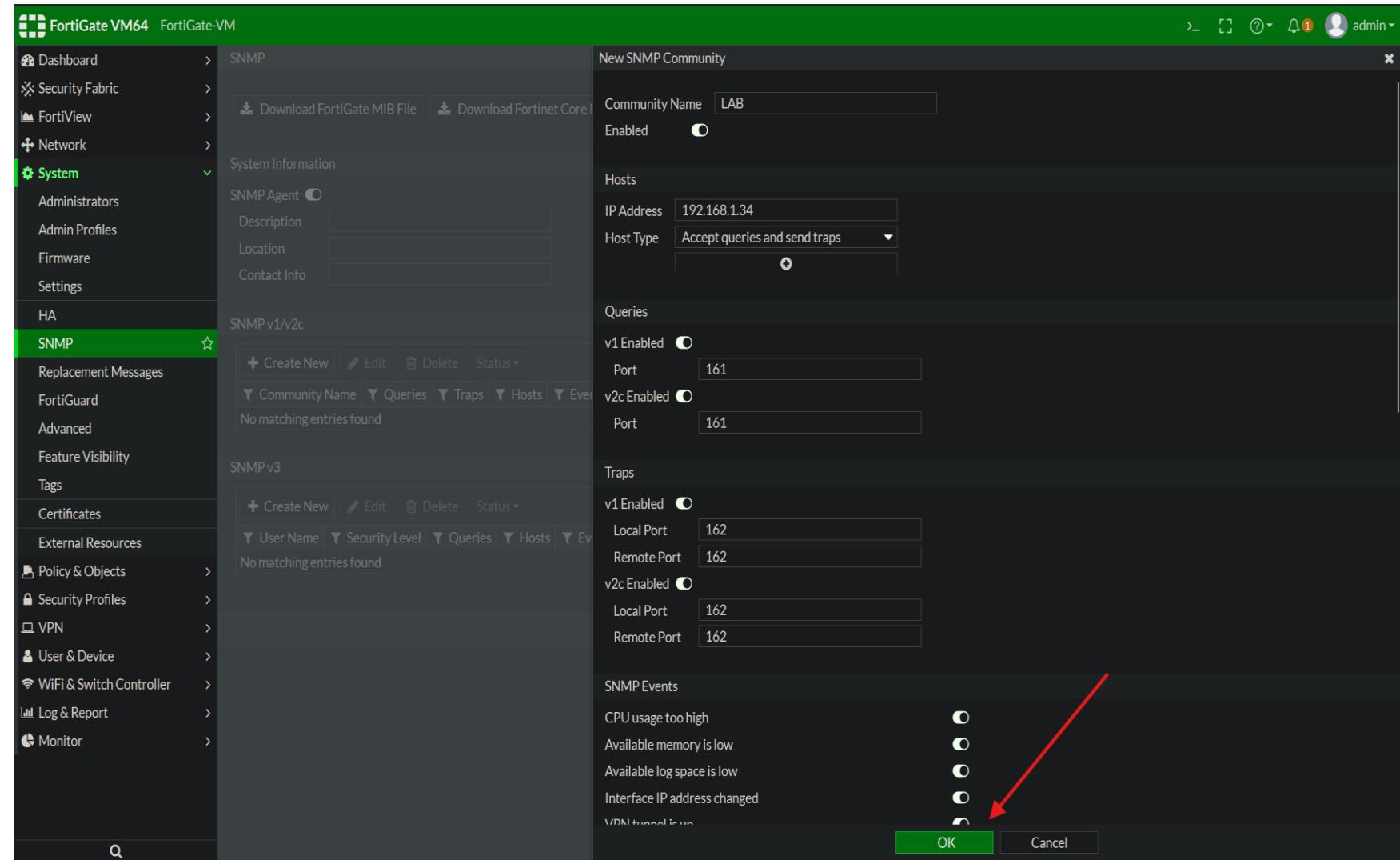
3.Click on 'Create New' button

The screenshot shows the FortiGate VM64 interface with the title bar "FortiGate VM64 FortiGate-VM". The left sidebar is open, showing the "System" section with "SNMP" selected. The main content area displays the "SNMP" configuration page. At the top, there are download links for "FortiGate MIB File" and "Fortinet Core MIB File". Below this is a "System Information" section with fields for "Description", "Location", and "Contact Info". The "SNMP Agent" section is active, indicated by a radio button. Under "SNMP v1/v2c", there is a table header with columns: "Community Name", "Queries", "Traps", "Hosts", "Events", and "Status". A red arrow points to the "+ Create New" button in this header. The table body below shows the message "No matching entries found". There is also a "SNMP v3" section with a similar table header and message. A green "Apply" button is located at the bottom right of the main content area.

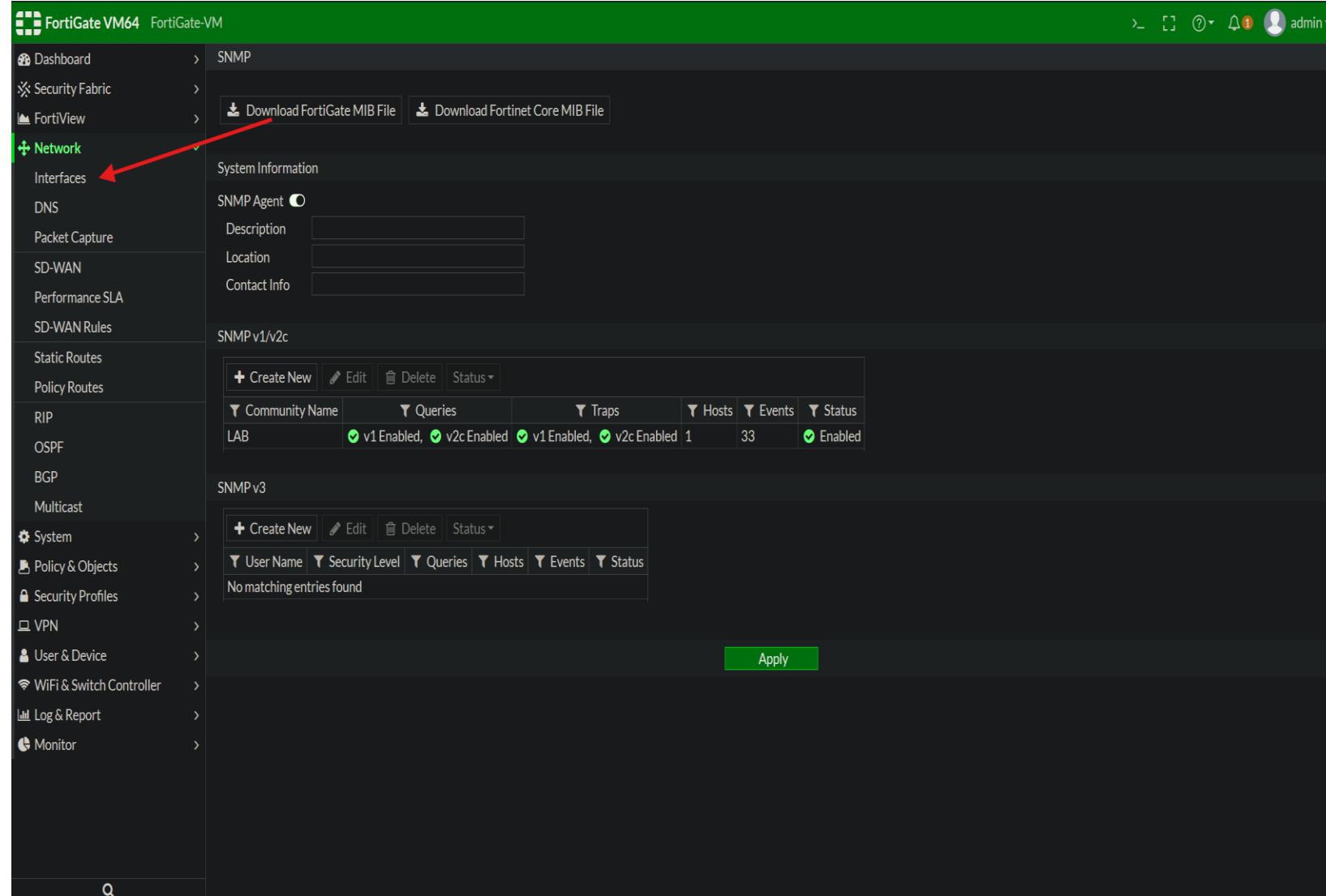
4. Type the community name and PRTG server IP address



5. Click OK



6. Navigate to the *Interface* tab



The screenshot shows the FortiGate VM64 interface with the Network tab selected. A red arrow points to the 'Interfaces' link under the Network section. The main content area displays the SNMP configuration, including system information and tables for SNMPv1/v2c and SNMPv3.

SNMP Agent (Enabled)

System Information

| | |
|--------------|--|
| Description | |
| Location | |
| Contact Info | |

SNMPv1/v2c

| + Create New | | Edit | Delete | Status | |
|----------------|-------------------------|-------------------------|--------|--------|---------|
| Community Name | Queries | Traps | Hosts | Events | Status |
| LAB | v1 Enabled, v2c Enabled | v1 Enabled, v2c Enabled | 1 | 33 | Enabled |

SNMP v3

| + Create New | | Edit | Delete | Status | |
|---------------------------|----------------|---------|--------|--------|--------|
| User Name | Security Level | Queries | Hosts | Events | Status |
| No matching entries found | | | | | |

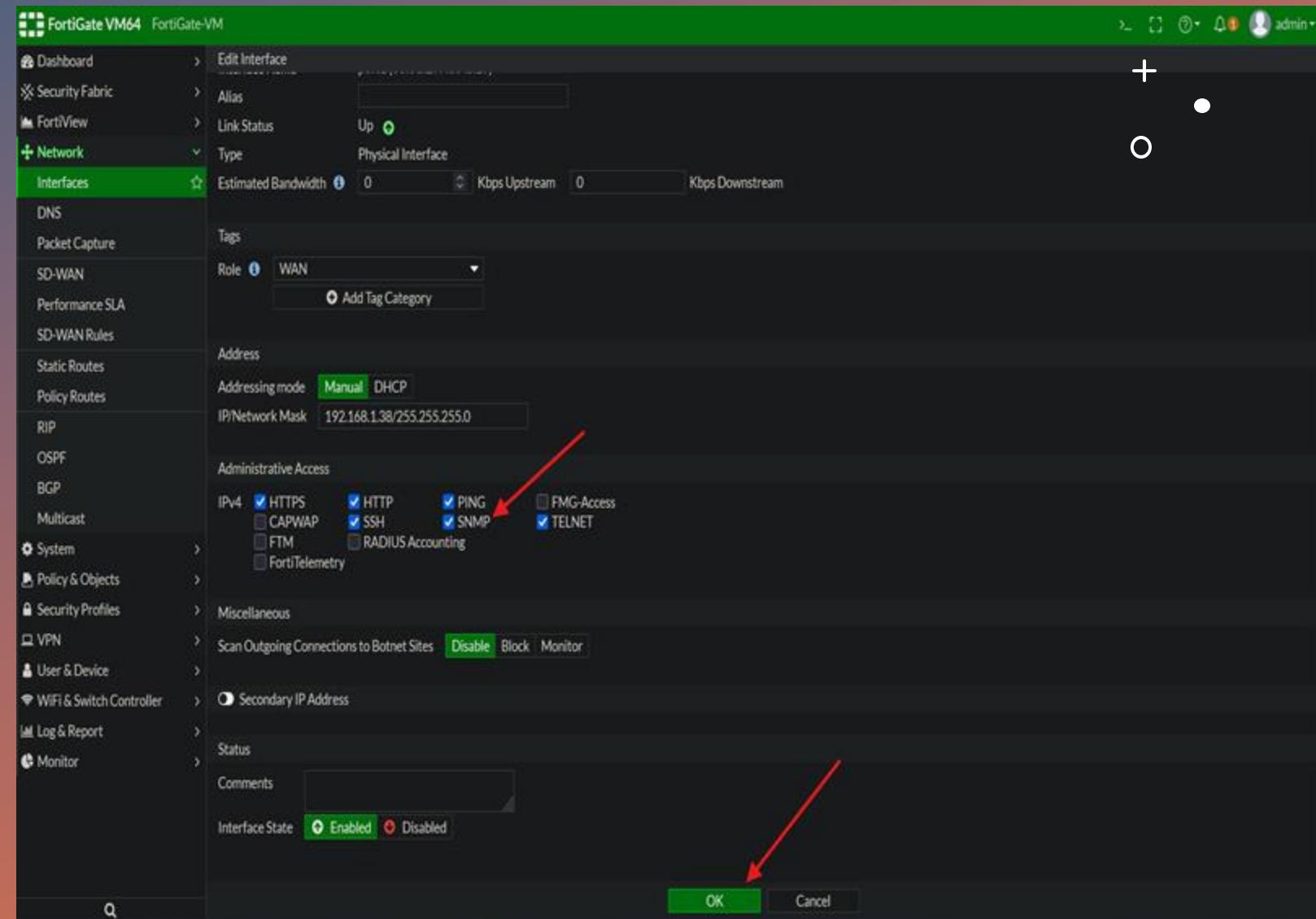
Apply

7. Select Port 1 on the firewall, then click on the *Edit* button

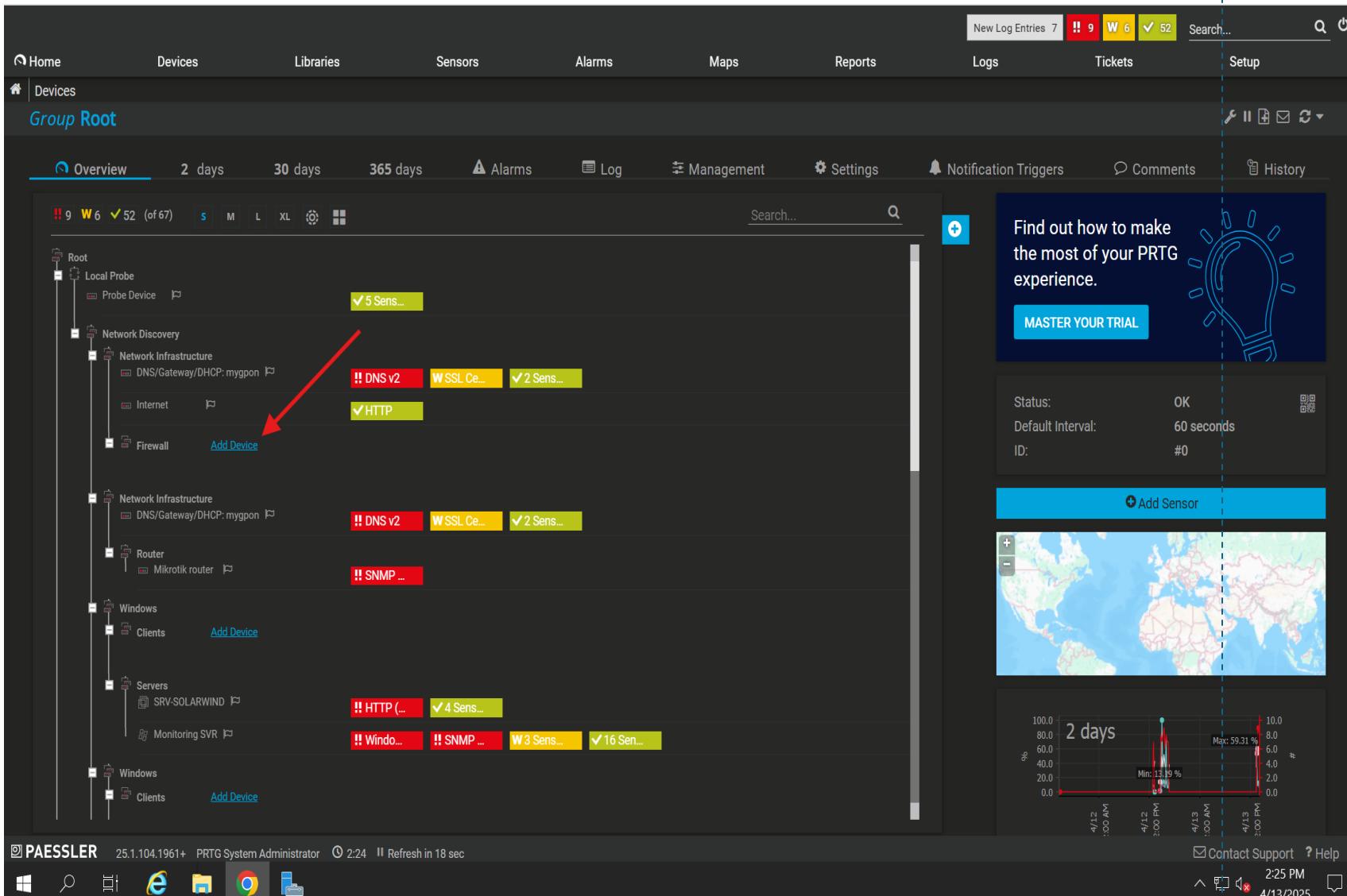
The screenshot shows the FortiGate VM64 interface. The left sidebar has a dark theme with white text. The main area shows a network diagram with icons for FortiGate VMs and a central switch. Below it is a table titled "Interfaces". The table has a header row with columns: Status, Name, Members, IP/Netmask, Type, Access, and Ref. The body of the table lists "Physical (10)" interfaces. The first row, "port1", is selected and highlighted with a red box. An arrow points from the "Edit" button in the top toolbar to the "port1" row. The "port1" row contains the following data:

| Status | Name | Members | IP/Netmask | Type | Access | Ref. |
|--------|--------|----------------------------|-------------|--------------------|-----------------------|------|
| Up | port1 | 192.168.1.38 255.255.255.0 | 0.0.0.0.0.0 | Physical Interface | HTTPS SSH HTTP Telnet | 0 |
| Up | port2 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port3 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port4 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port5 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port6 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port7 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port8 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port9 | | 0.0.0.0.0.0 | Physical Interface | | 0 |
| Up | port10 | | 0.0.0.0.0.0 | Physical Interface | | 0 |

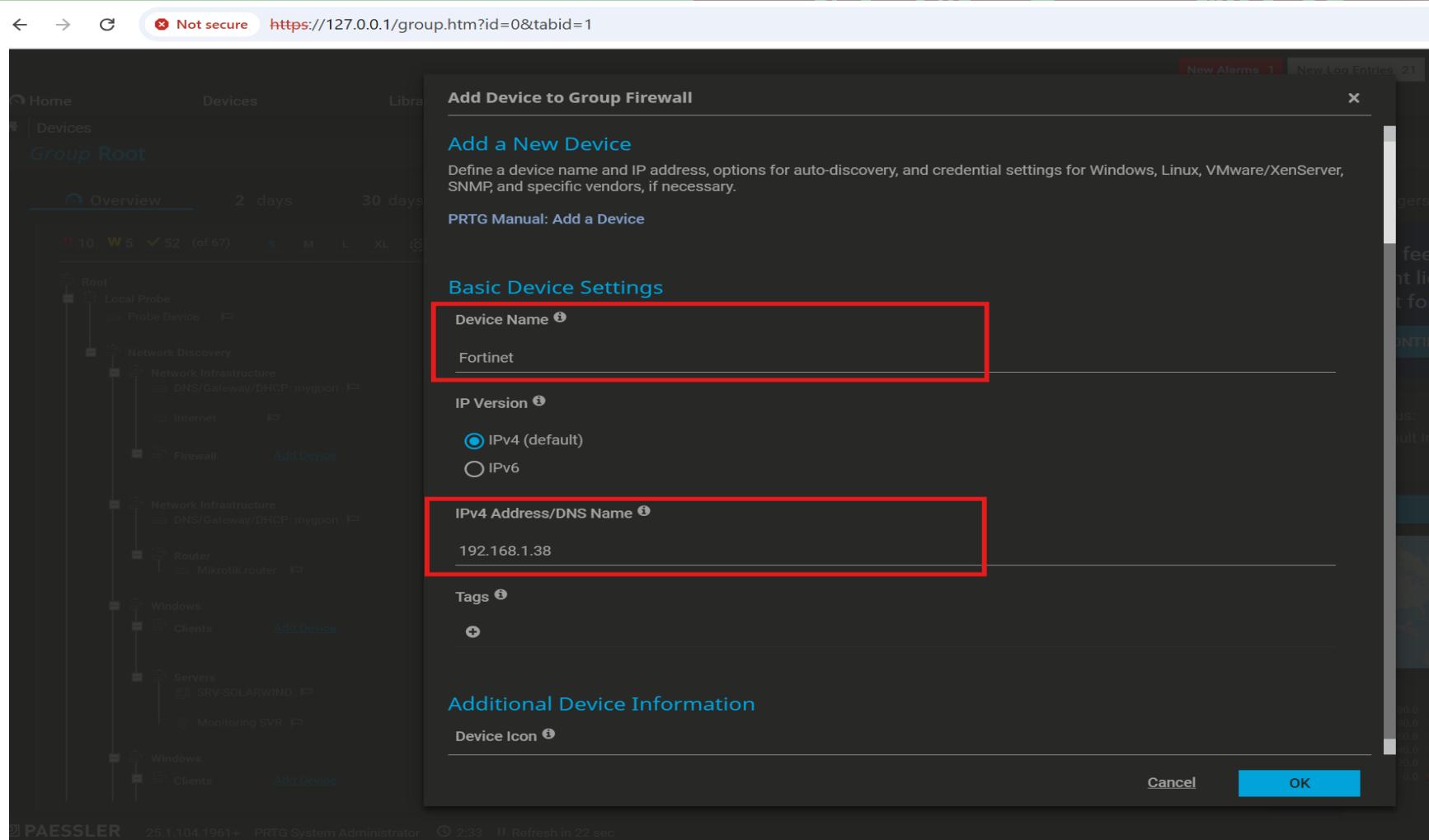
8. Enable SNMP, then click the OK button.



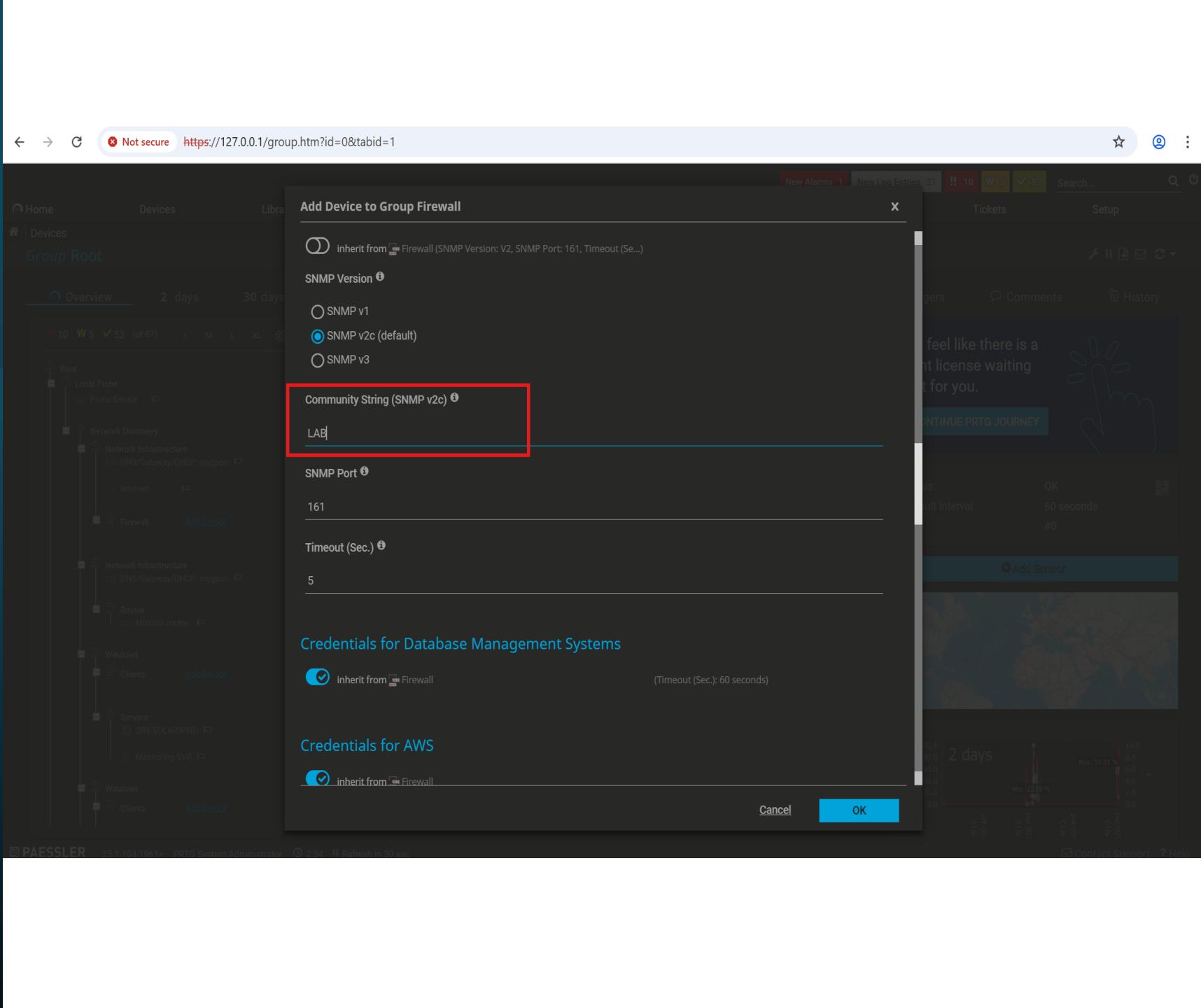
9. Log in to the PRTG tool, go to the *Devices* tab, and click on *Add Device*.



10. Enter the device name and the IP address of the firewall.



11. Enter the community string and Click on ok button.



11. Click on the Add Sensor button.

The screenshot shows the PRTG Network Monitor interface. On the left, there's a dark circular overlay containing the text "11. Click on the Add Sensor button.". The main window displays a hierarchical device tree under "Group Root". A red arrow points to the "Add Sensor" link located next to the "Run Auto-Discovery" link for the "HTTP" sensor under the "Network Infrastructure" section. The interface includes various status indicators (red, yellow, green) and sensor counts (e.g., 5 Sensors, 2 Sensors). The top navigation bar shows "Not secure" and the URL "https://127.0.0.1/group.htm?id=0&tabid=1". The bottom footer includes the PAESSLER logo, version information (25.1.104.1961+), and a "Contact Support" link.

13. Select 'PING' as the technology used, and choose the Ping sensor.

The screenshot shows the PRTG Network Monitor interface. At the top, there's a navigation bar with links like Home, Devices, Libraries, Sensors, Alarms, Maps, Reports, Logs, Tickets, and Setup. Below the navigation bar, a header says "Add Sensor to Device Fortinet [192.168.1.38] (Step 1 of 2)". The main form has three sections: "Monitor What?", "Target System Type?", and "Technology Used?". The "Technology Used?" section is highlighted with a red box around the "Ping" option, which is selected. A red arrow points from the bottom of the "Ping" sensor card to the "+" button at the bottom right of the card. The footer includes a search bar, a link to "9 Matching Sensor Types", and the PAESSLER logo.

Not secure https://127.0.0.1/addsensor.htm?id=2172

Home Devices Libraries Sensors Alarms Maps Reports Logs Tickets Setup

Devices Local Probe Network Discovery Network Infrast... Firewall Fortinet Add Sensor (Step 1 of 2)

Add Sensor to Device Fortinet [192.168.1.38] (Step 1 of 2)

Monitor What?

Availability/Uptime Bandwidth/Traffic Speed/Performance CPU Usage Disk Usage

Memory Usage Hardware Parameters Network Infrastructure Custom Sensors

Windows Linux/macOS Virtualization OS Storage and File Server

Email Server Database Cloud Services

Ping SNMP WMI Performance Counters HTTP SSH

Packet Sniffing Flow Protocols PowerShell Push Message Receiver PRTG Cloud

Technology Used?

< Cancel sensor creation > Looking for more sensor types? See our PRTG Sensor Hub.

Search Type to search for a name or description

9 Matching Sensor Types

Most Used Sensor Types

Ping ?
Monitors connectivity using ping
Shows if a device is reachable through the network using ping requests.
+

PAESSLER 25.1.104.1961+ PRTG System Administrator ① 2:45 Refresh in 19 sec Contact Support Help

14. Click the *Create* button

Not secure <https://127.0.0.1/addsensor4.htm?id=2172&tmpid=10>

New Alarms 3 New Log Entries 194 !! 10 W 7 ✓ 50 Search... Q P

Home Devices Libraries Sensors Alarms Maps Reports Logs Tickets Setup

Devices Local Probe Network Discovery Network Infrast... Firewall Fortinet Add Sensor (Step 2 of 2)

Add Sensor to Device Fortinet [192.168.1.38] (Step 2 of 2)

Cancel

Basic Sensor Settings

Sensor Name ⓘ Ping

Parent Tags ⓘ

Tags ⓘ pingsensor

Priority ⓘ ★★★☆☆

Create

Ping Settings

Timeout (Sec.) ⓘ 5

Packet Size (Bytes) ⓘ 32

Ping Method ⓘ Send one single ping Send multiple ping requests (default)

Ping Count ⓘ 5

Ping Delay (ms) ⓘ 5

Acknowledge Automatically ⓘ Show down status on error (default) Show down (acknowledged) status on error

PAESSLER 25.1.104.1961+ PRTG System Administrator ① 2:46 Refresh in 26 sec Contact Support Help

15. The Ping sensor is now successfully added

Not secure https://127.0.0.1/device.htm?id=2172&tabid=1#

New Alarms 3 New Log Entries 202 !! 10 W 7 ✓ 51 Search... Q

Home Devices Libraries Sensors Alarms Maps Reports Logs Tickets Setup

Devices Local Probe Network Discovery Network Infrast... Firewall Fortinet Device Fortinet ★★★★☆

Overview 2 days 30 days 365 days Alarms System Information Log Settings Notification Triggers Comments History

Ping OK

Ping Time 0 msec 1 msec

Find out how to make the most of your PRTG experience.

MASTER YOUR TRIAL

Status: OK Sensors: 1 (of 1) DNS Name/IP Address: 192.168.1.38 Dependency: Parent Default Interval: 60 seconds Last Auto-Discovery: (never) Last Recommendation: 7 minutes ago ID: #2172

Pos Sensor Status Message Graph Priority □

1. Ping Up OK Ping Time 0 msec ★★★★□

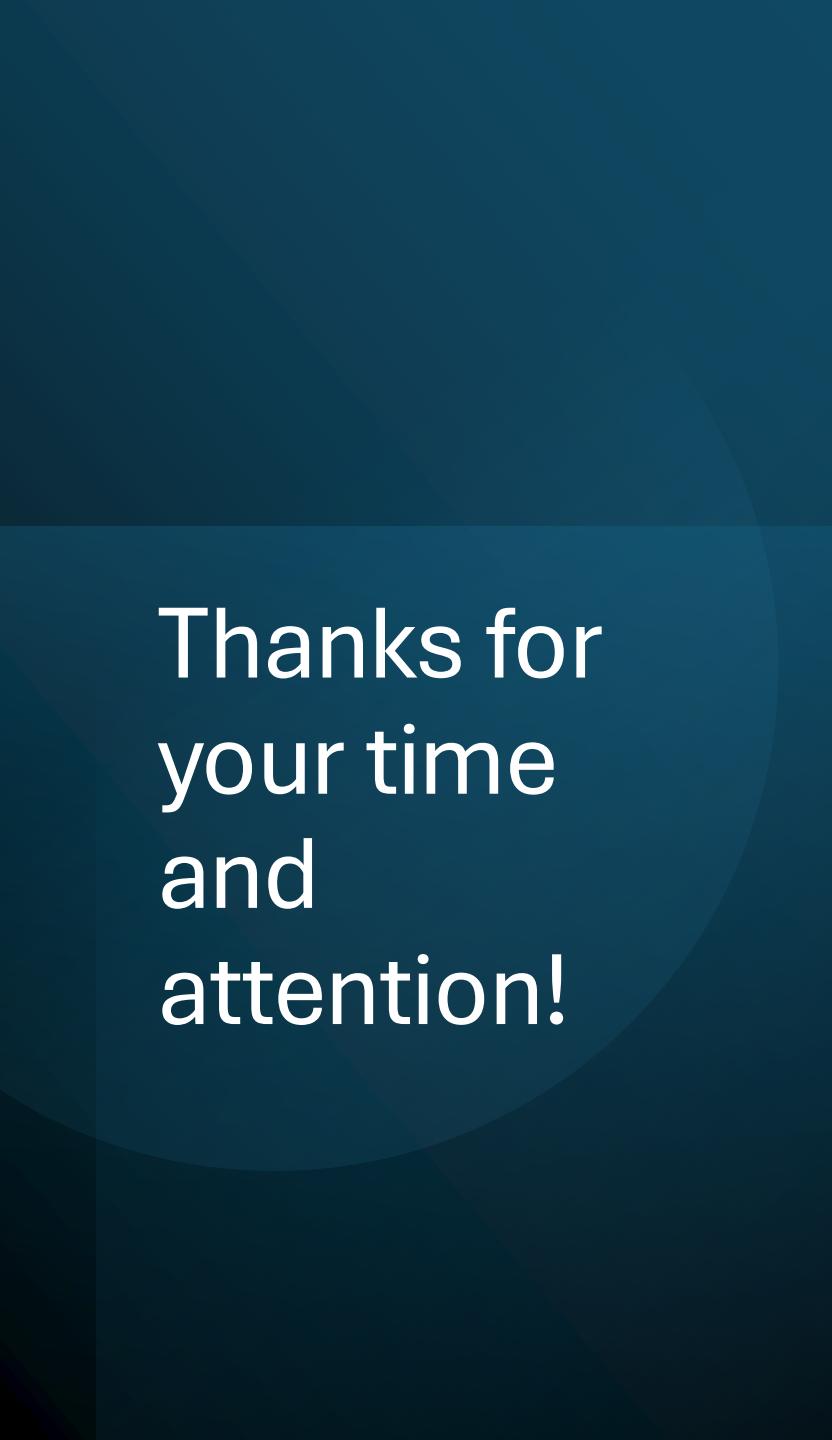
Recommended Sensors

| Priority | Sensors | Total Sensors | Links |
|----------|---------|---------------|-------------------|
| ★★★★★ | 1xPing | 1 | Add These Sensors |

PAESSLER 25.1.104.1961+ PRTG System Administrator 2:47 Refresh in 27 sec

Contact Support ? Help

The screenshot shows the PRTG Network Monitor interface for the device 'Fortinet'. At the top, there are navigation links like Home, Devices, Libraries, Sensors, Alarms, Maps, Reports, Logs, Tickets, and Setup. Below that is a breadcrumb trail: Devices > Local Probe > Network Discovery > Network Infrast... > Firewall > Fortinet. The main content area has tabs for Overview, Alarms, System Information, Log, Settings, Notification Triggers, Comments, and History. The Overview tab is selected, displaying a green 'Ping OK' status with a gauge showing 0 msec. Below this is a table of sensors, showing one entry for 'Ping' which is up and OK. A 'Graph' section shows a single data point at 0 msec. To the right, there's a sidebar with device details: Status (OK), Sensors (1 of 1), DNS Name/IP Address (192.168.1.38), Dependency (Parent), Default Interval (60 seconds), Last Auto-Discovery (never), Last Recommendation (7 minutes ago), and ID (#2172). A 'Recommended Sensors' section shows a table with one row for 'Ping' (Priority ★★★★★, Sensors 1xPing, Total Sensors 1, Links Add These Sensors). At the bottom, it says 'Contact Support ? Help'.



Thanks for
your time
and
attention!