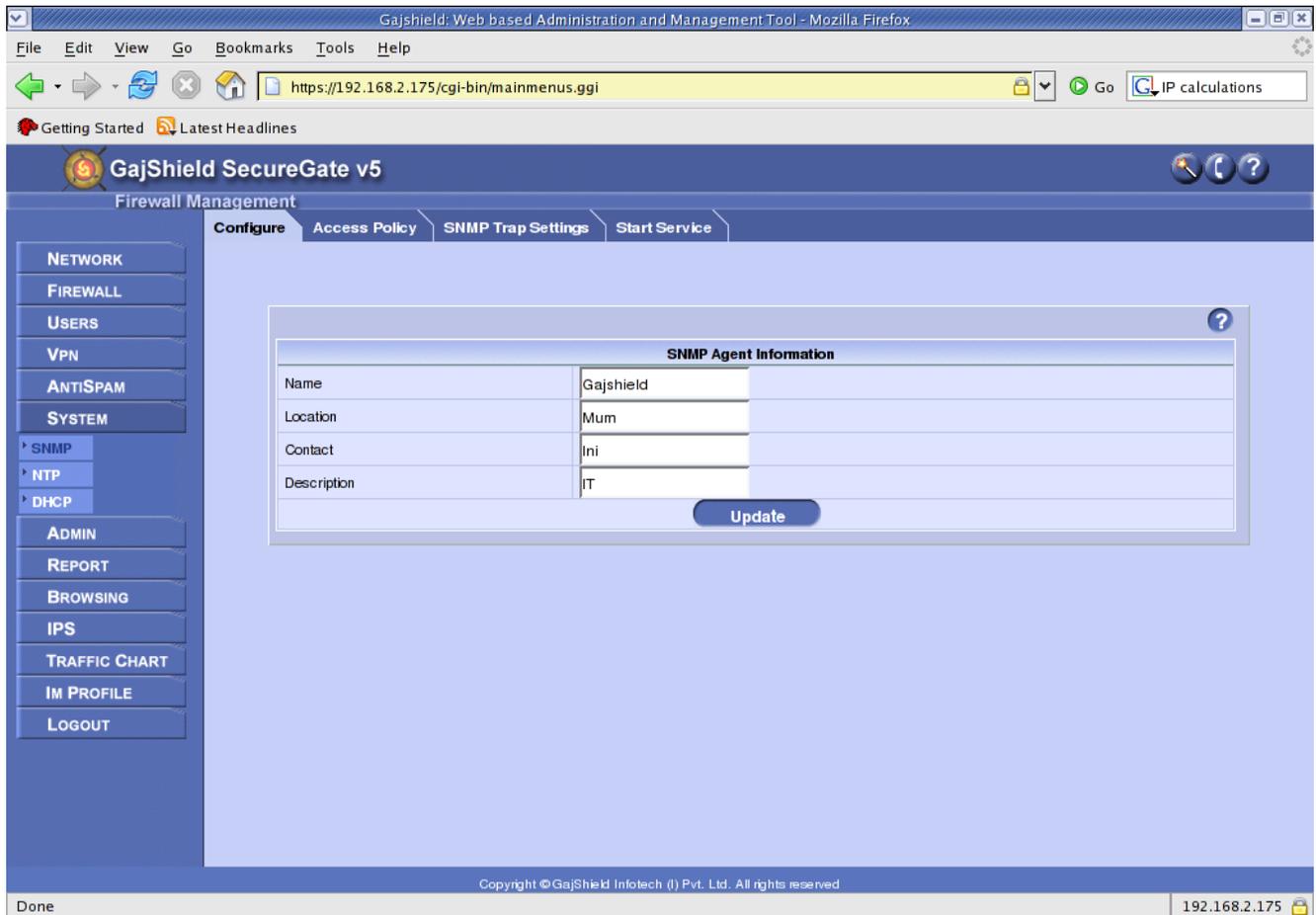


SYSTEM-SNMP-Configure.

This menu allows the administrator to configure the Firewall to send relevant information notification events as SNMP traps to the configured host(s). You will need software which can catch these traps and create relevant reports.

Configure the Agent information like Name, location of the Firewall, contact information and a test description.



The screenshot shows a web browser window displaying the GajShield SecureGate v5 administration interface. The browser's address bar shows the URL `https://192.168.2.175/cgi-bin/mainmenu.cgi`. The interface has a blue header with the title "GajShield SecureGate v5" and "Firewall Management". A navigation menu on the left lists various system components, with "SNMP" selected. The main content area shows the "SNMP Agent Information" configuration page, which includes a table with the following data:

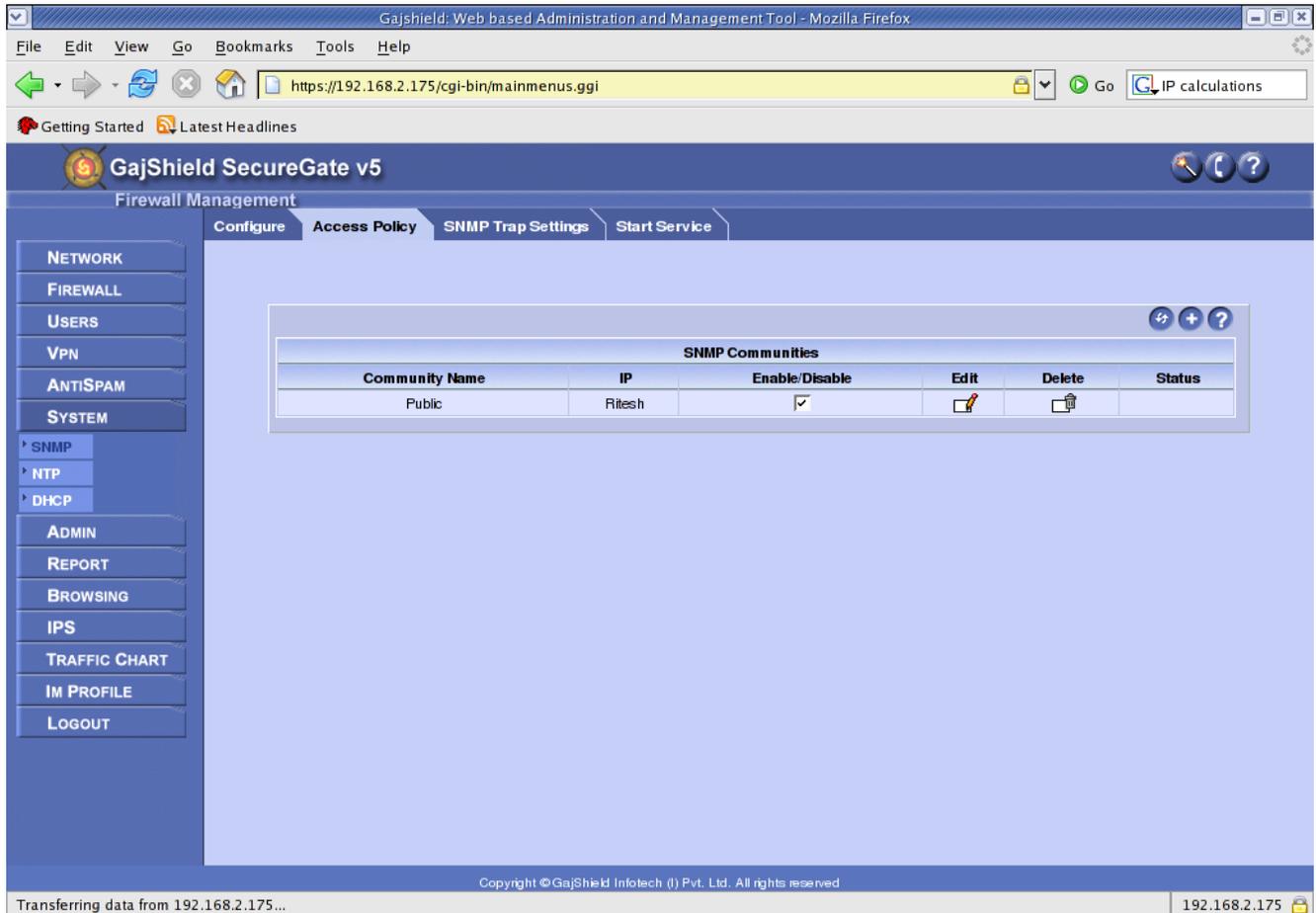
SNMP Agent Information	
Name	Gajshield
Location	Mum
Contact	Ini
Description	IT

Below the table is an "Update" button. The footer of the interface contains the text "Copyright ©GajShield Infotech (I) Pvt. Ltd. All rights reserved" and the IP address "192.168.2.175".

SYSTEM-SNMP-Access Policy

Shows the different SNMP communities which have been configured. This menu allows you to define community name, the IP Address/ Network which would be able to query the SNMP server running on your firewall and the access is always read-only. In SNMP access policies IP field, give ip address of machine on which you are configuring PRTG.

NOTE : To Enable Polling port 161 should be opened from the logging IP to the firewall IP.



The screenshot displays the GajShield SecureGate v5 web-based administration interface. The browser window shows the URL <https://192.168.2.175/cgi-bin/mainmenuus.ggi>. The interface features a navigation menu on the left with categories like NETWORK, FIREWALL, USERS, VPN, ANTI-SPAM, and SYSTEM. The main content area is titled "Firewall Management" and includes tabs for "Configure", "Access Policy", "SNMP Trap Settings", and "Start Service". The "Access Policy" tab is active, showing a table of "SNMP Communities".

Community Name	IP	Enable/Disable	Edit	Delete	Status
Public	Ritesh	<input checked="" type="checkbox"/>			

At the bottom of the interface, there is a footer with the text "Copyright ©GajShield Intotech (I) Pvt. Ltd. All rights reserved" and a status bar indicating "Transferring data from 192.168.2.175..." and the IP address "192.168.2.175".

SNMP -SNMP Trap Settings

In this section you can add the community names and the corresponding IPs on which the Traps would be configured by those communities. The static Traps configured currently are :

1. Authorization Failure Trap : Unauthorized SNMP Command Notifications
2. Cold Start Trap : SNMP Agent Start/Stop Notifications
3. Link Up/Down Trap : Ethernet Link Up/Down Notifications
4. Process Check Trap : Specific Process MIN/MAX Values and currently running Notifications

The screenshot shows the GajShield SecureGate v5 web-based administration interface. The browser window title is "Gajshield: Web based Administration and Management Tool - Mozilla Firefox" and the address bar shows "https://192.168.2.175/cgi-bin/mainmenu.cgi". The interface has a blue header with the GajShield logo and "GajShield SecureGate v5". Below the header is a "Firewall Management" section with tabs for "Configure", "Access Policy", "SNMP Trap Settings", and "Start Service". A left sidebar contains a navigation menu with categories: NETWORK, FIREWALL, USERS, VPN, ANTI SPAM, SYSTEM, SNMP, NTP, DHCP, ADMIN, REPORT, BROWSING, IPS, TRAFFIC CHART, IM PROFILE, and LOGOUT. The main content area is titled "SNMP Trap Settings" and contains two sections: "SNMP Trap Settings" and "Process Monitoring Settings".

SNMP Trap Settings

Community String	Public
Trap Destination IP	arjun
Cold Start	<input checked="" type="checkbox"/>
Authentication Failure	<input checked="" type="checkbox"/>
Interface Up/Down	<input checked="" type="checkbox"/>

Process Monitoring Settings

sshd	>	
httpd		
sendmail		
pptpd	<	
l2tpd		

At the bottom of the "Process Monitoring Settings" section is an "Add" button.

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Done 192.168.2.175

System-SNMP-Start Service

Show whether the SNMP server is running and you can start and stop the SNMP server.

The screenshot displays the GajShield SecureGate v5 web-based administration interface. The browser window title is "Gajshield: Web based Administration and Management Tool - Mozilla Firefox". The address bar shows the URL "https://192.168.2.175/cgi-bin/mainmenu.ggi". The interface features a navigation menu on the left with categories like NETWORK, FIREWALL, USERS, VPN, ANTI SPAM, and SYSTEM. The main content area is titled "Firewall Management" and includes tabs for "Configure", "Access Policy", "SNMP Trap Settings", and "Start Service". The "Start Service" tab is active, showing a status bar for "SNMP Service". The status bar indicates the service is "Running" with a green play button icon and a red stop button icon. A blue exclamation mark icon is also present. The footer of the interface contains the text "Copyright © GajShield Infotech (I) Pvt. Ltd. All rights reserved" and the IP address "192.168.2.175".

SNMP Service			
Service			Running

Now you add a rule for SNMP in firewall.

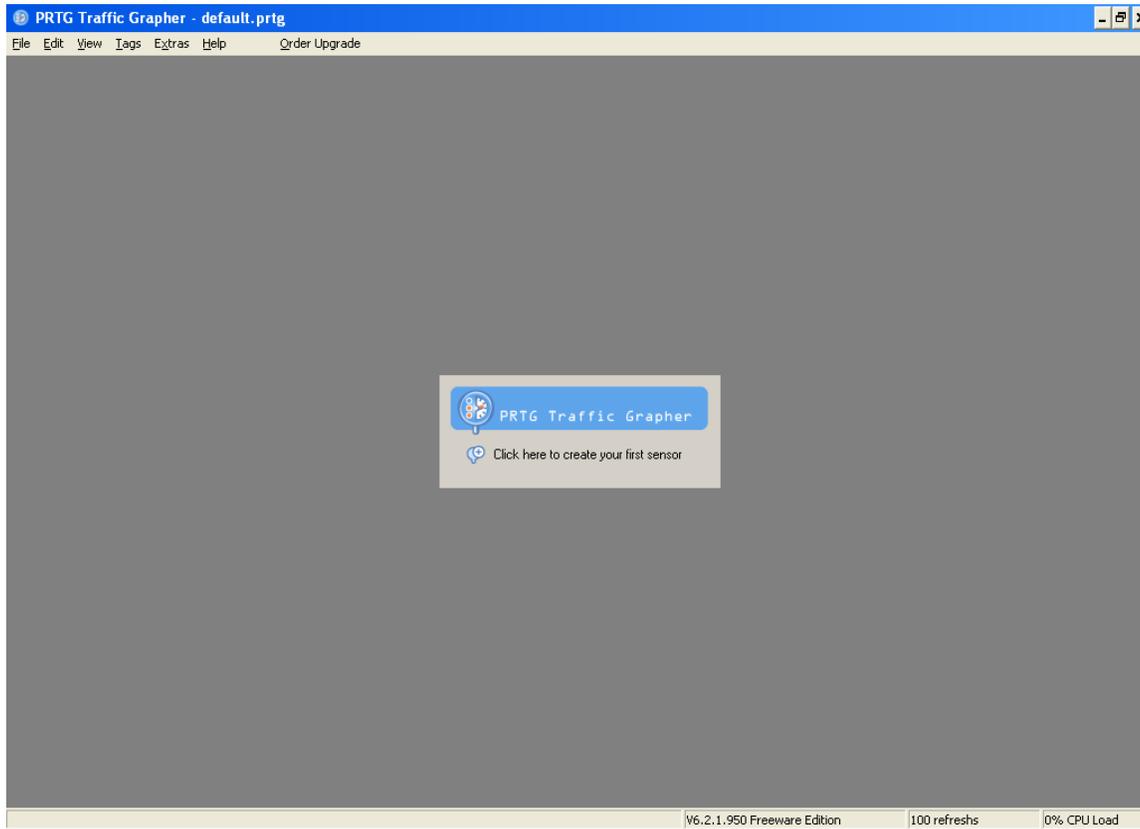
The screenshot shows the GajShield SecureGate v5 web-based administration interface. The browser address bar shows the URL `https://192.168.2.175/cgi-bin/mainmenus.cgi`. The interface has a sidebar menu on the left with categories like NETWORK, FIREWALL, USERS, and VPN. The main content area is titled "Firewall Management" and has tabs for "Quick Setup", "Rules", "Bandwidth", "Install Policies", "Backup Rules", and "Admin Ips". The "Rules" tab is active, displaying a table of firewall rules. A dropdown menu above the table is set to "All Rules".

No.	Dr.	Src.	Serv.	Dest.	Action	Log	Status	Queue	Schedule	Ld. Bal.	Route-Failover	Tasks
1	LAN to LAN	Ritesh	snmp	fwip-LAN	accept	yes	active	default	Always On	no	none	  

At the bottom of the page, there is a footer with the text "Copyright © GajShield Infotech (I) Pvt. Ltd. All rights reserved." and a status bar showing "Done" and the IP address "192.168.3.176".

SNMP Client Side Settings

Download PRTG from Internet install it, and that application

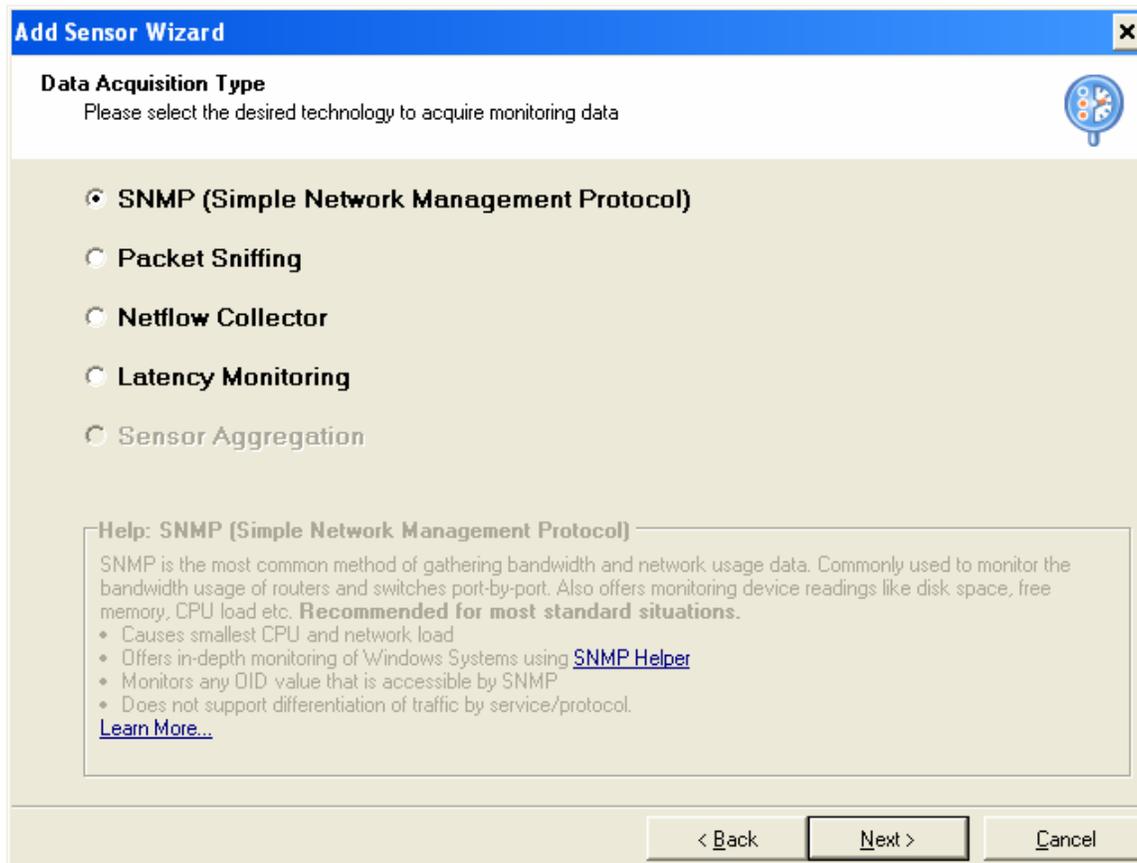


Here click on PRTG Traffic Grapher and follow the below steps to setup PRTG Traffic Graph

Click Next Tab to proceed



at this window you select SNMP, and click on Next button.



Select Standard Traffic Sensor

Add Sensor Wizard [X]

SNMP Sensor Type Selection
Please select the desired sensor type

Standard Traffic Sensor

SNMP Helper Sensor [All]

From OID/MIB Library [All]

Custom SNMP Sensor

Device Template [No templates found]

Help: Standard Traffic Sensor
Choose this option to monitor the bandwidth going in and out of a network device. (Uses MIB-II Standard)

< Back Next > Cancel

Fill the Information

Device Name : Gajshield

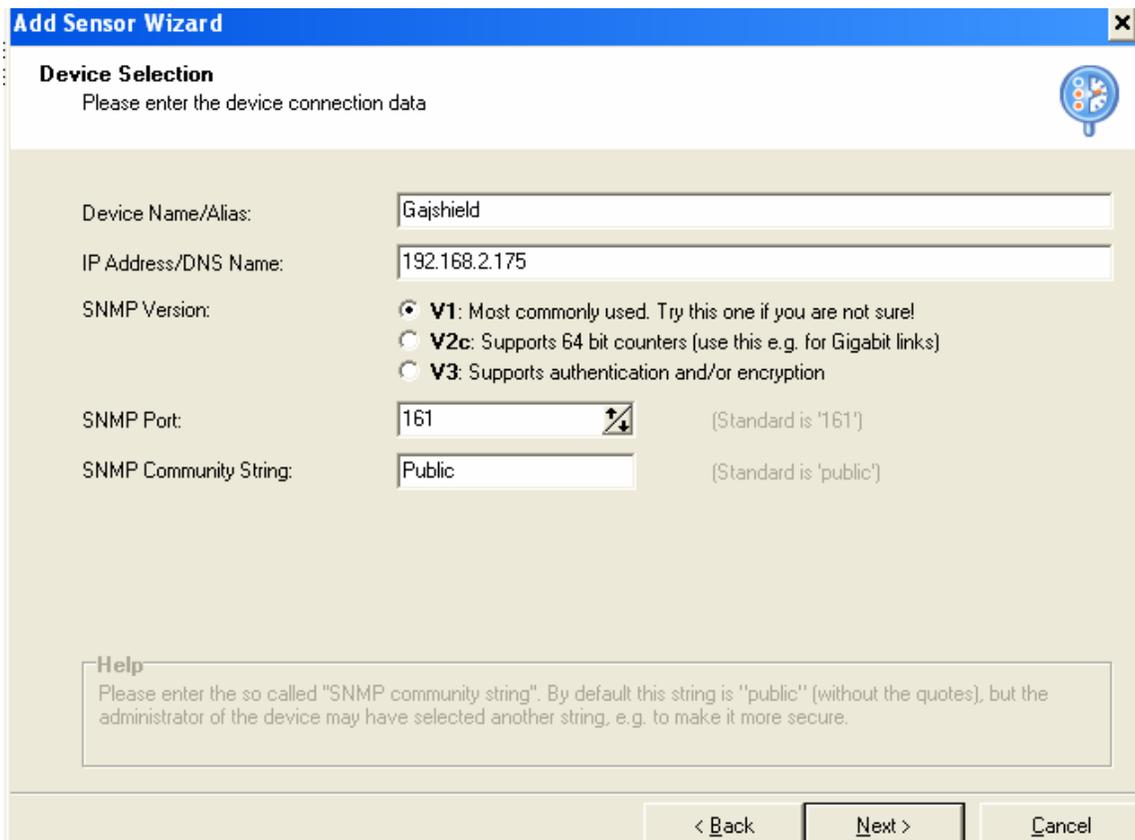
IP Address/DNS Name : local IP of Firewall.

SNMP Version: Select V1

SNMP Port: 161

SNMP Communities String : Give Communities Name you configured in Firewall.

Click on Next Tab.



The screenshot shows a window titled "Add Sensor Wizard" with a close button (X) in the top right corner. The main heading is "Device Selection" with a sub-instruction: "Please enter the device connection data". A small help icon is visible in the top right of the main area. The form contains the following fields and options:

- Device Name/Alias: Text box containing "Gajshield".
- IP Address/DNS Name: Text box containing "192.168.2.175".
- SNMP Version: Radio button options:
 - V1:** Most commonly used. Try this one if you are not sure!
 - V2c:** Supports 64 bit counters (use this e.g. for Gigabit links)
 - V3:** Supports authentication and/or encryption
- SNMP Port: Spin box containing "161" with up/down arrows and a "Standard is '161'" label.
- SNMP Community String: Text box containing "Public" with a "Standard is 'public'" label.

A "Help" section at the bottom left contains the text: "Please enter the so called 'SNMP community string'. By default this string is 'public' (without the quotes), but the administrator of the device may have selected another string, e.g. to make it more secure."

At the bottom of the window are three buttons: "< Back", "Next >", and "Cancel".

Select Required Ethernet, and select the value to monitor is Bandwidth and click Next.

The screenshot shows a window titled "Add Sensor Wizard" with a close button in the top right corner. The main heading is "Sensor Selection" with a sub-instruction "Please select the sensors to create". A search icon is located in the top right of the content area. A list of sensors is displayed, each with a checked checkbox and a blue highlight on the selected item (#4). The list includes:

- ✓ #1 (lo), Software Loopback, Connected, 10000 kb/s, 32bit Counter
- ✓ #2 (eth0), Ethernet, Connected, 100000 kb/s, 32bit Counter
- ✓ #3 (eth1), Ethernet, Connected, 100000 kb/s, 32bit Counter
- ✓ #4 (eth2), Ethernet, Not Connected, 0 kb/s, 32bit Counter
- ✓ #5 (eth3), Ethernet, Not Connected, 0 kb/s, 32bit Counter
- ✓ #6 (ipsec0), Ethernet, Connected, 10000 kb/s, 32bit Counter
- ✓ #7 (ipsec1), (Unknown type), Not Connected, 0 kb/s, 32bit Counter
- ✓ #8 (ipsec2), (Unknown type), Not Connected, 0 kb/s, 32bit Counter
- ✓ #9 (ipsec3), (Unknown type), Not Connected, 0 kb/s, 32bit Counter

Below the list is a checkbox labeled "Hide ports with existing sensors" which is currently unchecked. To the right of the list are three buttons: "All", "None", and "Connected". Below these is a label "Select the value to monitor:" followed by a dropdown menu showing "Bandwidth". At the bottom left, there is an "Info:" section with a text area containing:

Connected to "PreSales"
Name: Ritesh
Contact: ritesh@gajshield.com
Location: Vashi

At the bottom of the window are three buttons: "< Back", "Next >", and "Cancel".

Select Required Information, or leave it default and click on Next tab.

Add Sensor Wizard

Additional Settings
Please select the sensor settings

Insert Into Sensorlist Below: All Sensors

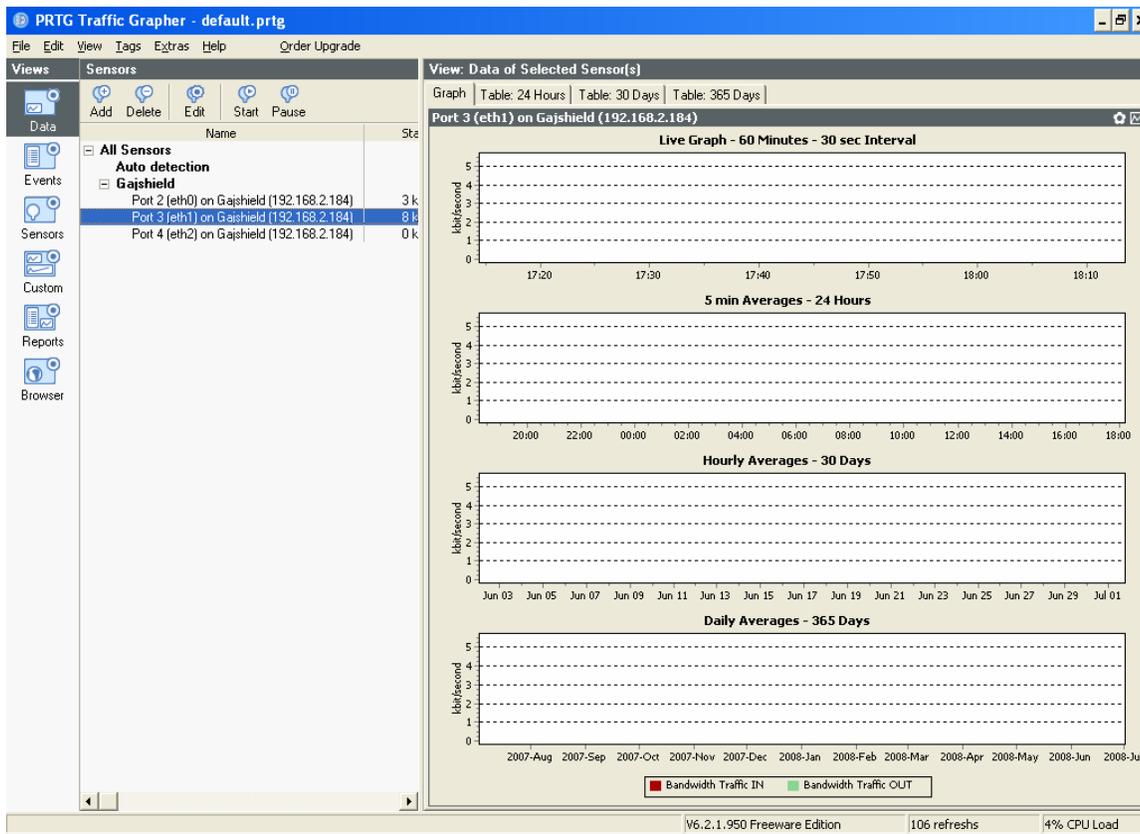
Create New Subgroup Gajshield

Scanning Interval [s]: 30 (10 to 60 seconds recommended)

Tags (comma separated): Select

< Back Finish Cancel

Now you are on PRTG Traffic Grapher.



Congratulation you had successfully configured SNMP with PRTG Traffic Grapher.