Network Environment



Please follow the steps listed below:

- 1. Open Vigor 2910 WEB UI and select System Maintenance>>Management.
- In the field of SNMP Setup, please configure the following settings as below.
 System Maintenance >> Management

Management Setup)					
Management Access Control		Management Port Setup	Management Port Setup			
		Oser Define Ports	 Oser Define Ports Default Ports 			
Allow management from the Internet		Telnet Port	23	(Default: 23)		
FTP Server		HTTP Port	80	(Default: 80)		
✓ HTTP Server		HTTPS Port	443	(Dofpult: 442)		
HTTPS Ser	✓ HTTPS Server			(Default: 443)		
Telnet Server	ver	FTP Port	21	(Default: 21)		
SSH Server		SSH Port	22	(Default: 22)		
Disable PING f	rom the Internet	SNMP Setup	_			
Access List		Enable SNMP Agen	t			
List IP	Subnet Mask	Get Community	public			
1		Set Community	private			
2		 Manager Host IP 	59.115.243.29			
3			public			
		Trap Community	public			
		Notification Host IP				
		Trap Timeout	10	seconds		

- > Check the box of **Enable SNMP Agent**,
- > Use the default setting, Public for Get Community,
- > Use the default setting, Private for **Set Community**,
- > Input WAN IP of Vigor2820(e.g, Vigor2820's WAN IP is 59.115.243.29) for Manager Host IP
- > Click **OK**.

3. Open Vigor 2820 WEB UI and select **NAT>> Open Ports.** Click Index number 1 to create a profile.

Enab	le Ope	n P	orts					
			Comment	SNMP				
			Local Computer	192 168	8 28 11	Choo	se PC	
	Proto	col	Start Port	End Port		Protocol	Start Port	End Port
1.	TCP	•	161	161	6.	•	0	0
2.		•	0	0	7.	•	0	0
з.		•	0	0	8.	•	0	0
4.		•	0	0	9.	🔻	0	0
		-	0	0	10.		0	0

- Check the box of Enable Open Ports.
- > Type the profile name in the field of **Comment** (e.g., SNMP)
- > Type the IP address in the filed of Local Computer as PRTG server (e.g., 192.168.28.11)
- > Choose TCP as the protocol and set 161 as Start Port and End Port
- Click OK.
- Download and install PRTG software. After installing, run PRTG. (PRTG download link: http://www.paessler.com)



- Select Use The Freeware Edition.
- Click Next.

5. Click **PRTG Traffic Grapher**.



6. Click Next.

Add Sensor Wizard	×
	Welcome to the Add Sensor Wizard
	This wizard will guide you step-by-step through the setup of new sensors for monitoring with PRTG Traffic Grapher.
	Creating new sensors involves three main steps:
U	 Selecting the data acquisition technology Selecting the device/server and scanning it for available sensors Selecting the new sensors and choosing a group as well as an interval
	Note: If you want PRTG Traffic Grapher to scan your network automatically for SNMP enabled devices please use the <u>Automatic Network Discovery</u> to create SNMP based sensors.
	Please click "Next" to continue!
PAESSLER	
	< <u>B</u> ack <u>Next</u> > <u>Cancel</u>

7. In Data Acquisition Type, select SNMP and click Next.

Add Sensor Wizard	X
Data Acquisition Type Please select the desired technology to acquire monitoring data	
SNMP (Simple Network Management Protocol)	
Packet Sniffing	
Netflow Collector	
C Latency Monitoring	
Sensor Aggregation	
Help: SNMP (Simple Network Management Protocol) SNMP is the most common method of gathering bandwidth and network usage data. Commonly bandwidth usage of routers and switches port-by-port. Also offers monitoring device readings like memory, CPU load etc. Recommended for most standard situations. • Causes smallest CPU and network load • Offers in-depth monitoring of Windows Systems using <u>SNMP Helper</u> • Monitors any OID value that is accessible by SNMP • Does not support differentiation of traffic by service/protocol. Leam More	used to monitor the e disk space, free

8. In SNMP Sensor Type Selection, select Standard Traffic Sensor and click Next.

SNMP Sensor Type Selection Please select the desired sensor type		•
Standard Traffic Sensor		U
SNMP Helper Sensor	All	•
From OID/MIB Library	All	•
Custom SNMP Sensor		
O Device Template	(No templates found)	Ŧ
Help: Standard Traffic Sensor Choose this option to monitor the bandw	vidth going in and out of a network device. (Uses MIB-II Standard)	
	< <u>B</u> ack Next >	<u>C</u> ancel

9. In **Device Selection**, please configure the relational settings as follows:

)evice Name/Alias:	public	
P Address/DNS Name:	61.216.232.71	
NMP Version:	 V1: Most commonly V2c: Supports 64 bit V3: Supports auther 	used. Try this one if you are not sure! it counters (use this e.g. for Gigabit links) ntication and/or encryption
NMP Port:	161	(Standard is '161')
NMP Community String:	public	(Standard is 'public')

- > Type Public for **Device Name/Alias**,
- Type 61.216.232.71 for IP Address /DNS Name (location of network device that you want to monitor, e.g., WAN IP address for Vigor2910, 61. 216. 232 .71)
- Select SNMP Version V1
- > Set 161 for SNMP Port
- > Type Public for **SNMP Community String**
- Click Next.

10. In **Sensor selection**, click Connected. PRTG will automatically detect which interface that Vigor2910 used. Then, click **Next**.

Add Sensor Wizard		23
Sensor Selection Please select the sensors to create		P
 #1 (LAN), Ethemet, Not Connected, 100000 kb/s, 32bit Counter #2 (BRI0:1), PPP, Undefined, 64 kb/s, 32bit Counter #3 (BRI0:2), PPP, Undefined, 64 kb/s, 32bit Counter #4 (WAN1), Ethemet, Connected, 100000 kb/s, 32bit Counter #5 (WAN2), Ethemet, Not Connected, 100000 kb/s, 32bit Counter 	[All None Connected
Hide ports with existing sensors		
Select the value to monitor: Bandwidth		
Info:		
Connected to "DrayTek Corporation" Name: vigor Contact: info@draytek.com Location:		A H
< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel

11. In Additional Settings, enable Create New Subgroup and click Finish.

Add Sensor Wizard		23
Additional Settings Please select the sensor settings		
Insert Into Sensorlist Below:	All Sensors	•
Create New Subgroup	public	
Scanning Interval [s]:	10 (10 to 60 seconds recommended)	
Tags (comma separated):		Select
	< <u>B</u> ack <u>F</u> inish	<u>C</u> ancel

12. Now, you can use PRTG to monitor network traffic of Vigor2910.

