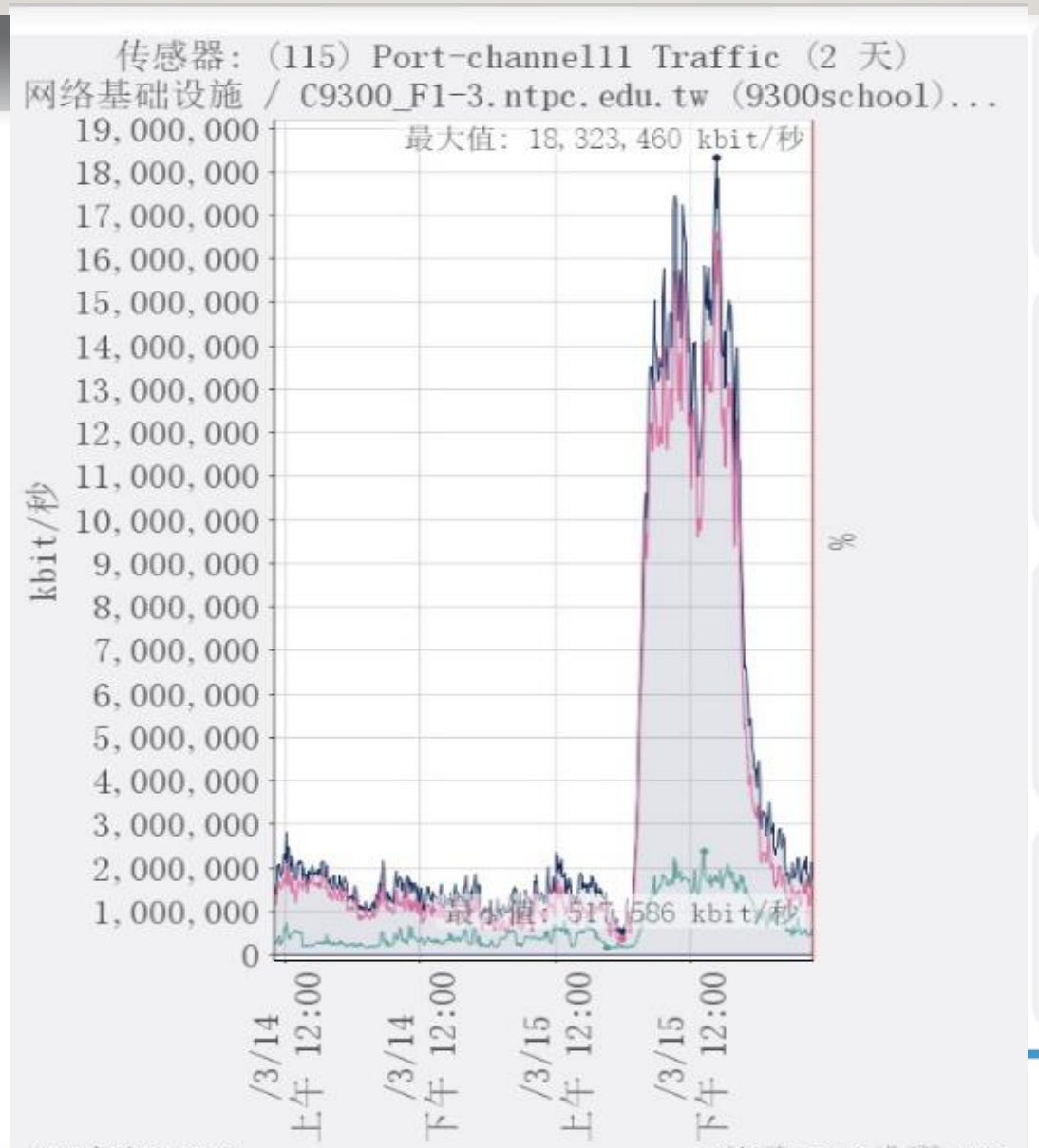
PRTG NETWORK MONITOR

設計一個手機監控智慧網管

ALFRED

手機監控


Alfred
2021. 03. 15 下午 10:56
Back
网络基础设施
DNS: dns153
2
DNS: dns154
2
forti3950b-a
4
forti3950b-b
2
C9300_F1-3.ntpc.edu.tw (9300...
24
C9300-NCCU
15
NX_B (n7k-b) [Cisco Device]


传感器：(115) Port-channel11 Traffic (2 天)
网络基础设施 / C9300_F1-3.ntpc.edu.tw (9300school)...
最大值: 18,323,460 kbit/秒
最小值: 517,586 kbit/秒
kbit/秒
%
19,000,000
18,000,000
17,000,000
16,000,000
15,000,000
14,000,000
13,000,000
12,000,000
11,000,000
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
/3/14 上午 12:00
/3/14 下午 12:00
/3/15 上午 12:00
/3/15 下午 12:00


(101) TenGigabitEthernet2/1/1 Traffic
确定
Last Value: 575,332 kbit/秒
(102) TenGigabitEthernet2/1/2 Traffic
确定
Last Value: 304,412 kbit/秒
(103) TenGigabitEthernet2/1/3 Traffic
确定
Last Value: 284,344 kbit/秒
(115) Port-channel11 Traffic
确定
Last Value: 1,738,718 kbit/秒
W 1
99
Last Update: 2021/3/15, 10:59 PM

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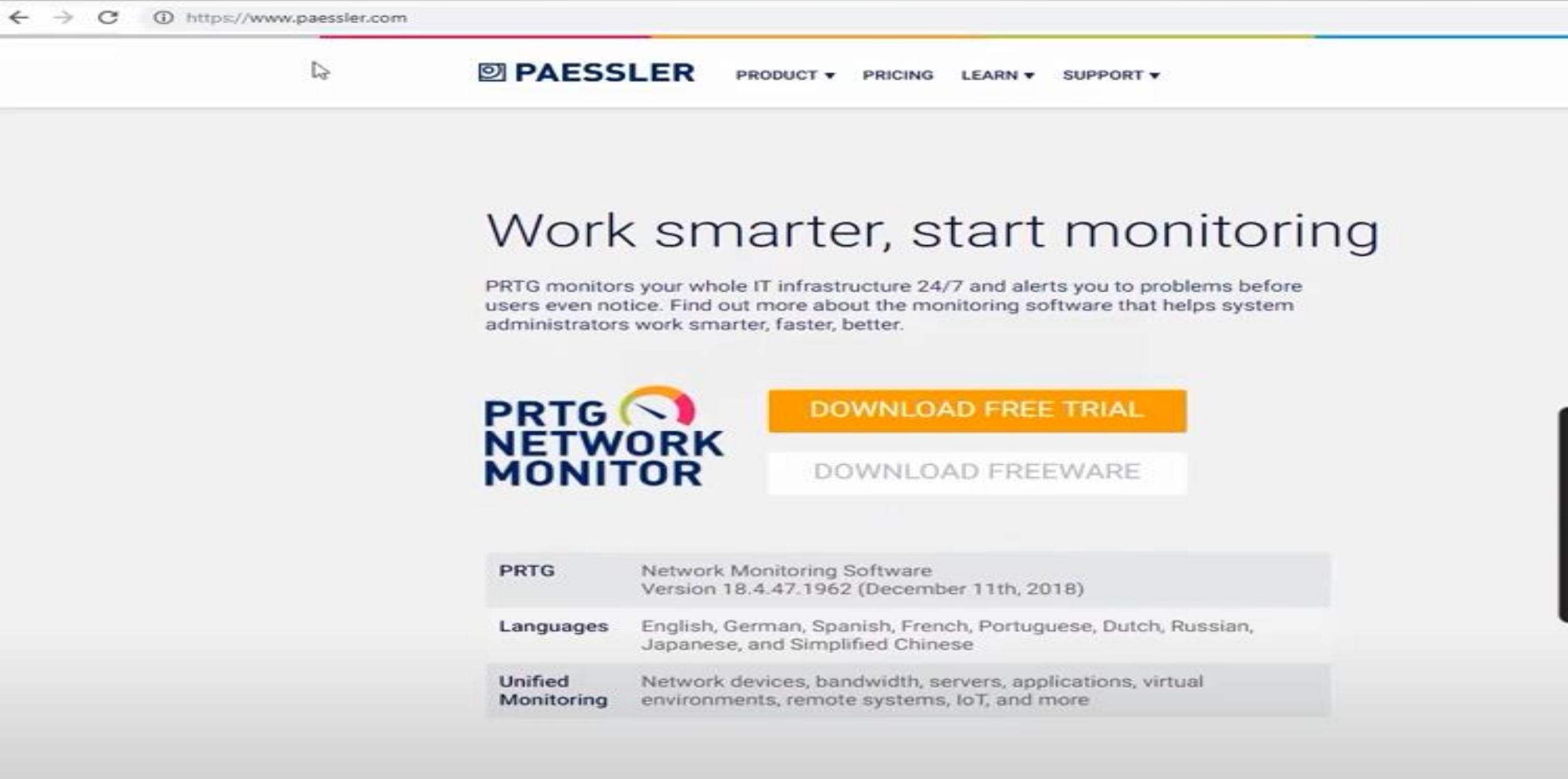

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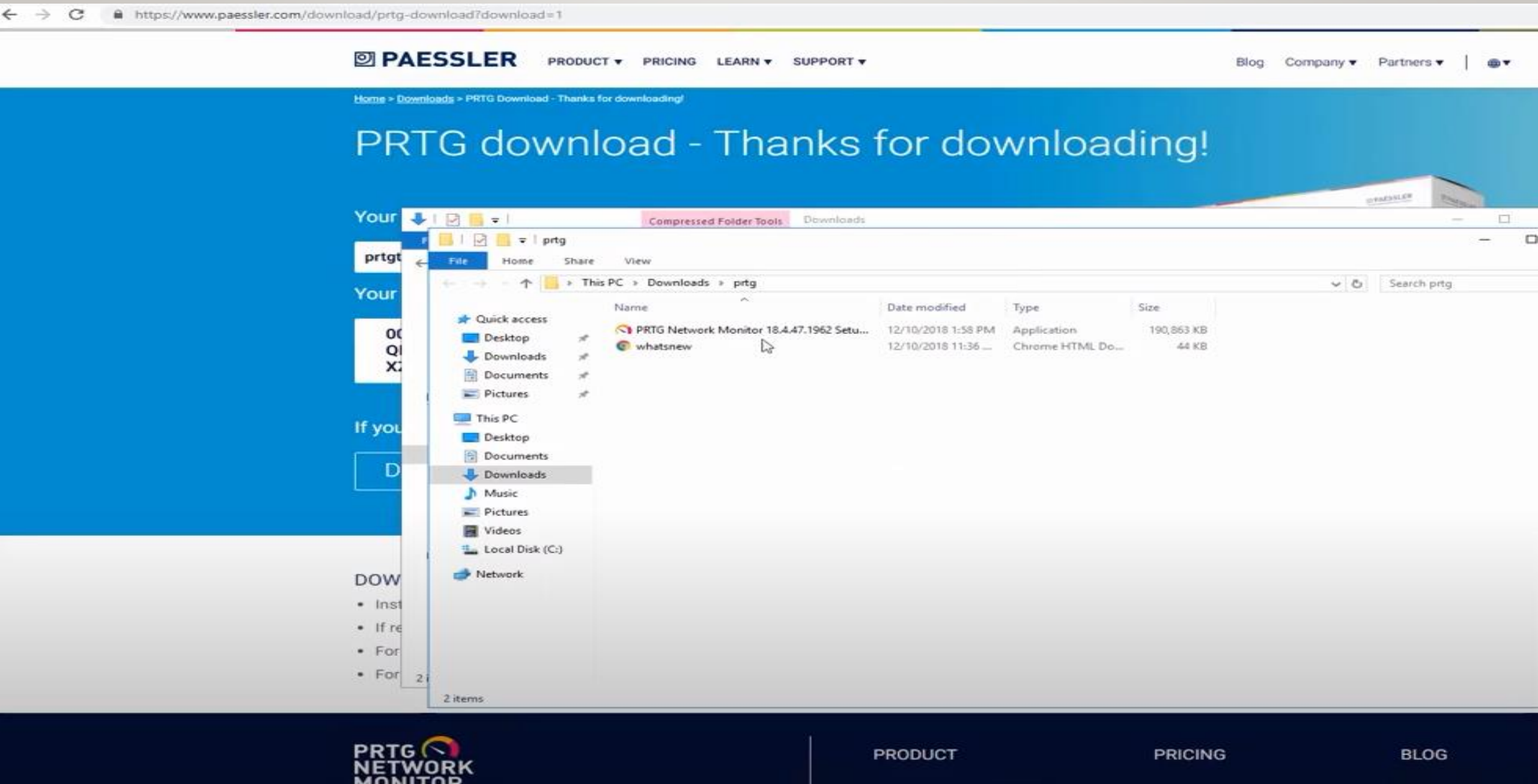
If your PRTG download didn't start automatically:

DOWNLOAD PRTG

安装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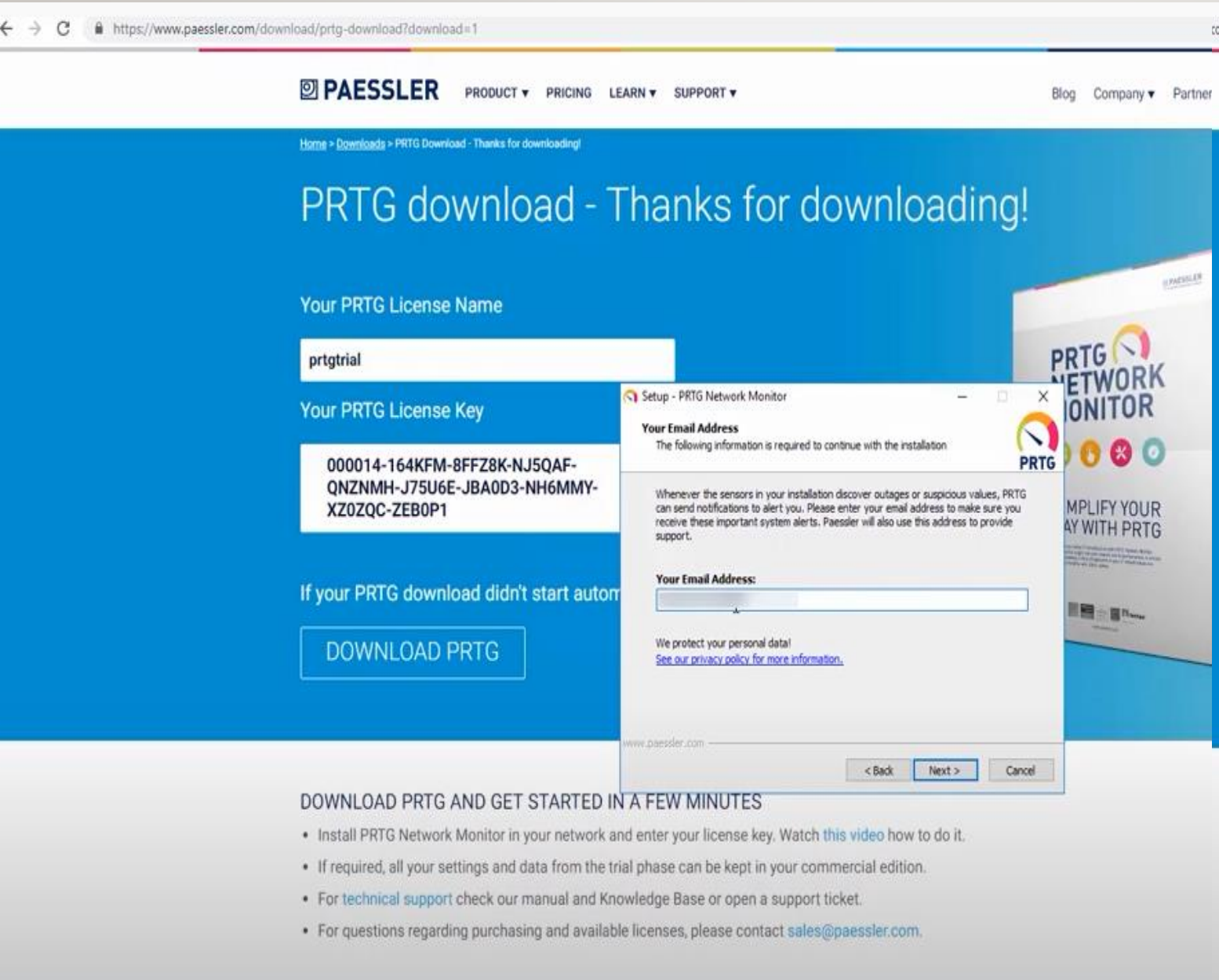
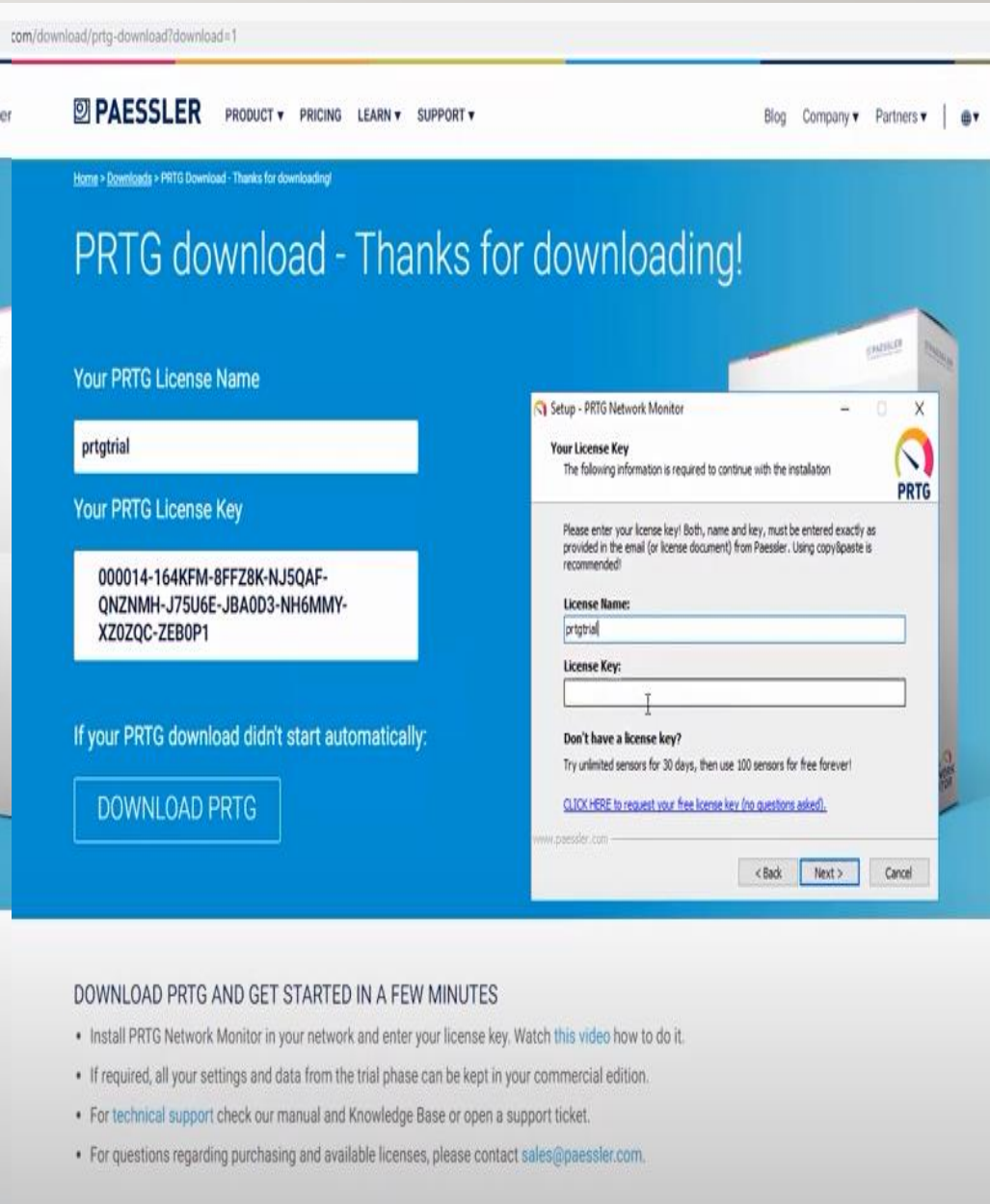
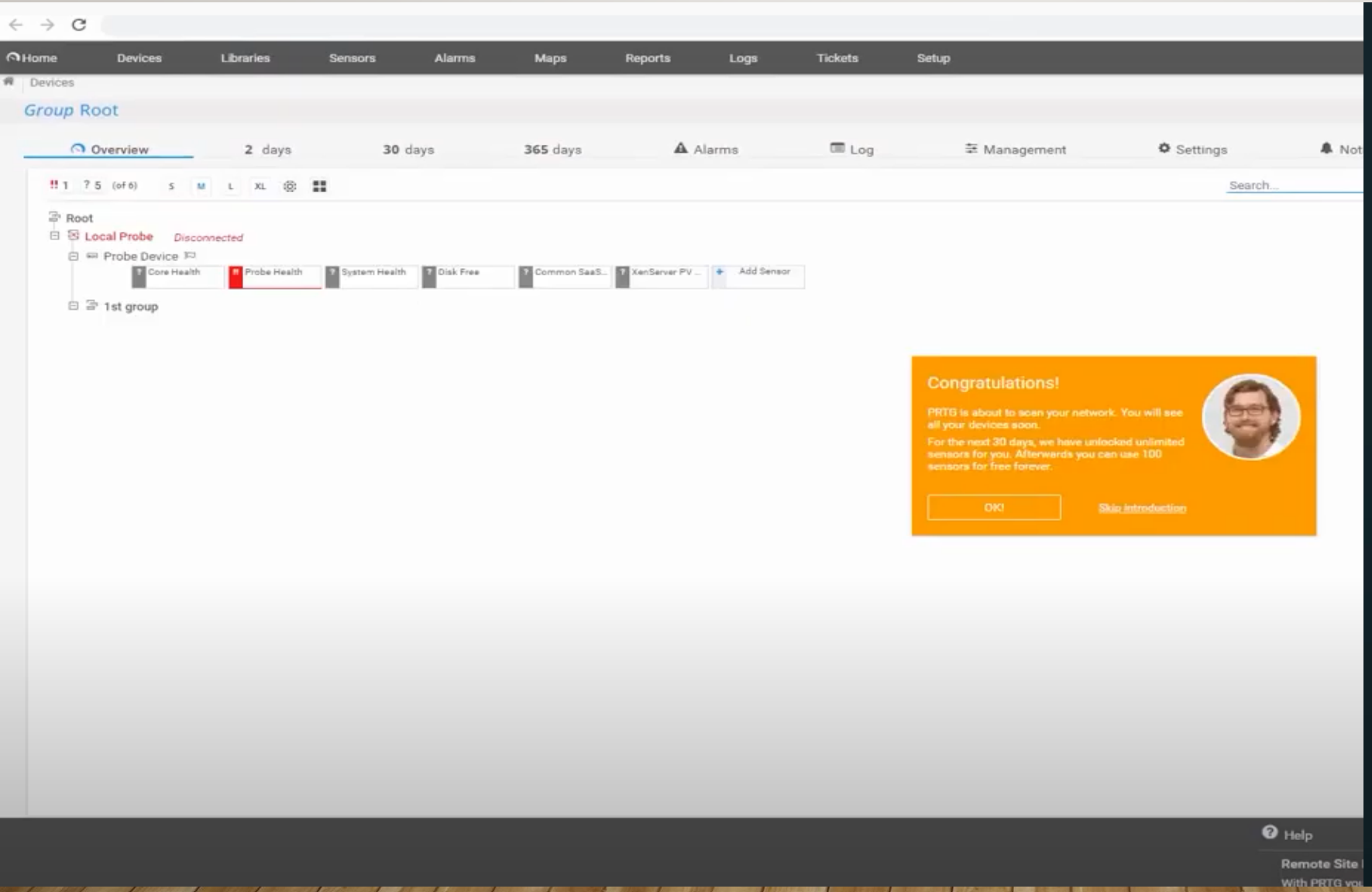
File
Home
Share
View
This PC > Downloads > prtg
Search prtg
Quick access
Desktop
Downloads
Documents
Pictures
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Network
Name
Date modified
Type
Size
PRTG Network Monitor 18.4.47.1962 Setu...
12/10/2018 1:58 PM
Application
190,863 KB
whatsnew
12/10/2018 11:36 ...
Chrome HTML Do...
44 KB
2 items
PRTG NETWORK MONITOR
PRODUCT
PRICING
BLOG

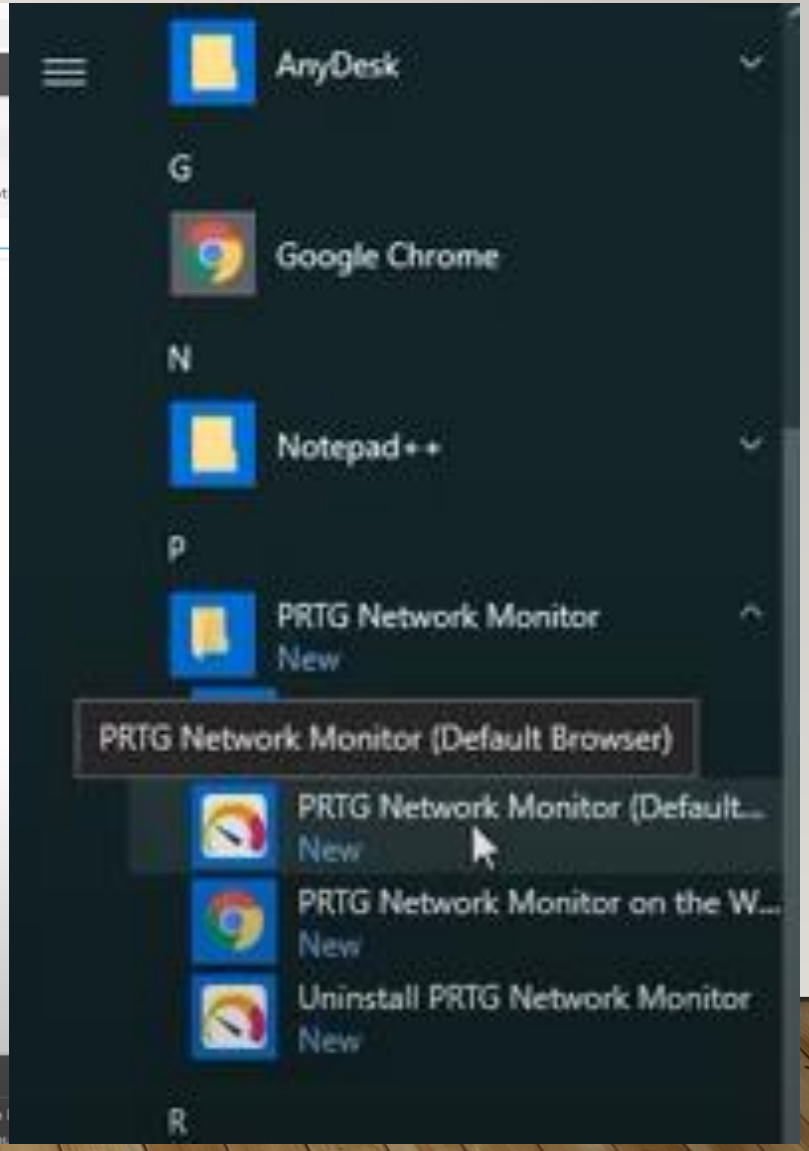
E-MAIL AND LICENSE KEY



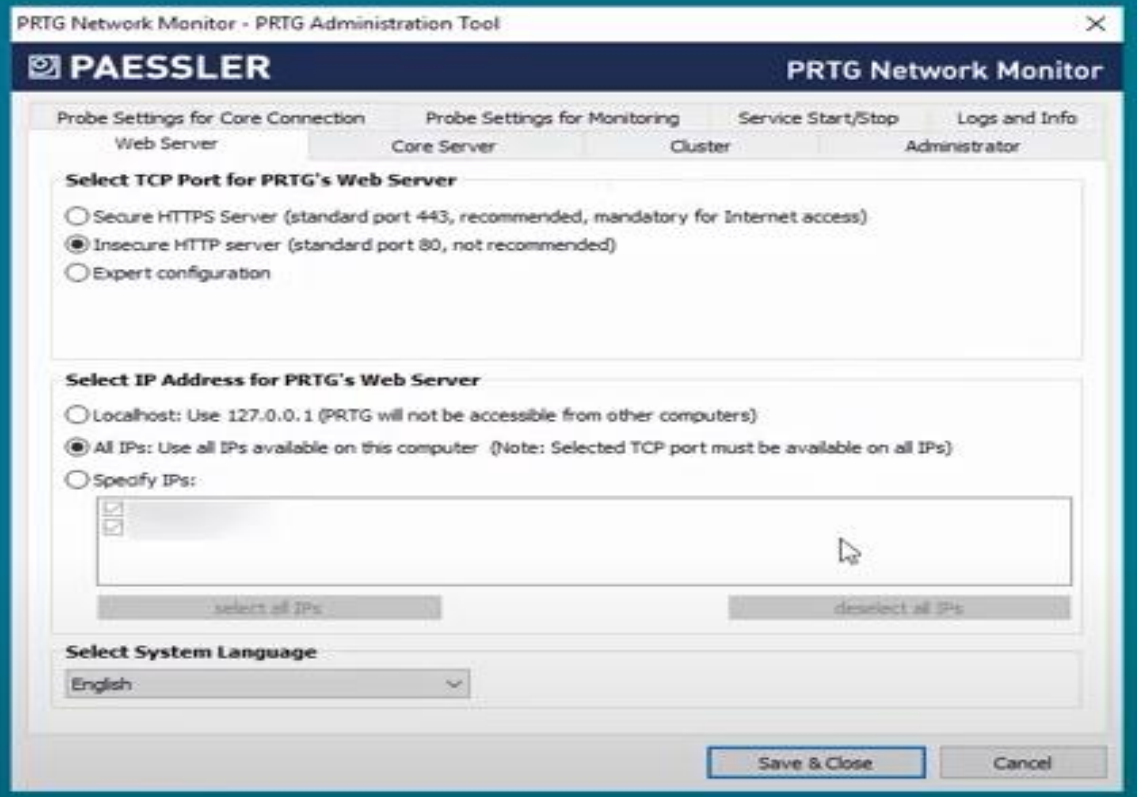


進入網頁設定(管理)
程式集





PRTG MONITOR後台，新密碼!(很重要)



SETTING設定

主页 设备 库 传感器 警报 拓扑图 报表 日志 工单 设置

设备

群组 **Root**

概述 2 天 30 天 365 天 警报 日志 管理 设置

- Root
  - 本地探?
    - Probe Device — Core H... — 2 传感器
  - 网络发现
    - 网络基础设施
      - DNS: dns153 — PING — DNS
      - DNS: dns154 — PING — DNS
      - forti3950b-a — (003) HA-120 Traffic — (004) HA-64 Traffic — (379) TO_N7K_A Traffic — (380) To_New_Switch
      - forti3950b-b — (379) TO_N7K_A Traffic — (380) To_New_Switch
      - C9300_F1-3.ntpc.edu.tw (9300scho... — (036) TenGigabitEthe — (037) TenGigabitEthe — (038) TenGigabitEthe — (096) GigabitEtherne — (101) TenGigabitEthe — (102) TenGigabitEthe — (103) TenGigabitEthe — (115) Port-channel11 Traffic — (502) To_3950R_A_F1 — (503) To_3950R_B_F1
        (504) To_C3750-CHT_4 Traffic — (031) GigabitEtherne — (036) TenGigabitEthe — (037) TenGigabitEthe — (038) TenGigabitEthe — (040) TenGigabitEthe — (041) TenGigabitEthe — (042) TenGigabitEthe — (119) To_C3750-CHT_4 Traffic — System Health CPU
        System Health 内存 — System Health 风扇 — System Health 供电 — System Health 温度
      - C9300-NCCU — (060) TenGigabitEthe — (142) Port-channel18 Traffic — Ping 1 — 正常运行时间 1 — (060) TenGigabitEthe — (062) N7K-B-ae2 Traffic — (066) N7K-B-ae20 Traffic — (126) TenGigabitEthe — (128) N7K-B-ae2 Traffic — System Health CPU
        (065) TenGigabitEthe — (067) TenGigabitEthe — (129) SRX-ae4 Traffic — (131) TenGigabitEthe — (132) N7K-B-ae20 Traffic
      - NX_B (n7k-b) [Cisco Device] — (151060492) Vlan12 Traffic — (151060502) Vlan22 Traffic — (151060512) Vlan32 Traffic — (151060522) Vlan42 Traffic — (369098758) port-channel7 — (369098771) port-channel20 — (369098783) port-channel32 — (369098784) port-channel33 — (369098785) port-channel34 — (369099099) port-channel348
        (369099192) port-channel441 — (369102845) port — (369102846) port — (369102847) port — System Health CPU — System Health Memory
    - 网络基础设施
      - Internet — HTTP
      - DNS: 203.72.153.153 — Ping

SNMP

Credentials for VMware/XenServer

User

Password

VMware Protocol
- (•) HTTPS (recommended)
- ( ) HTTP

Session Pool
- (•) Reuse session for multiple scans (recommended)
- ( ) Create a new session for each scan

Credentials for SNMP Devices

SNMP Version
- ( ) v1
- (•) v2c (recommended)
- ( ) v3

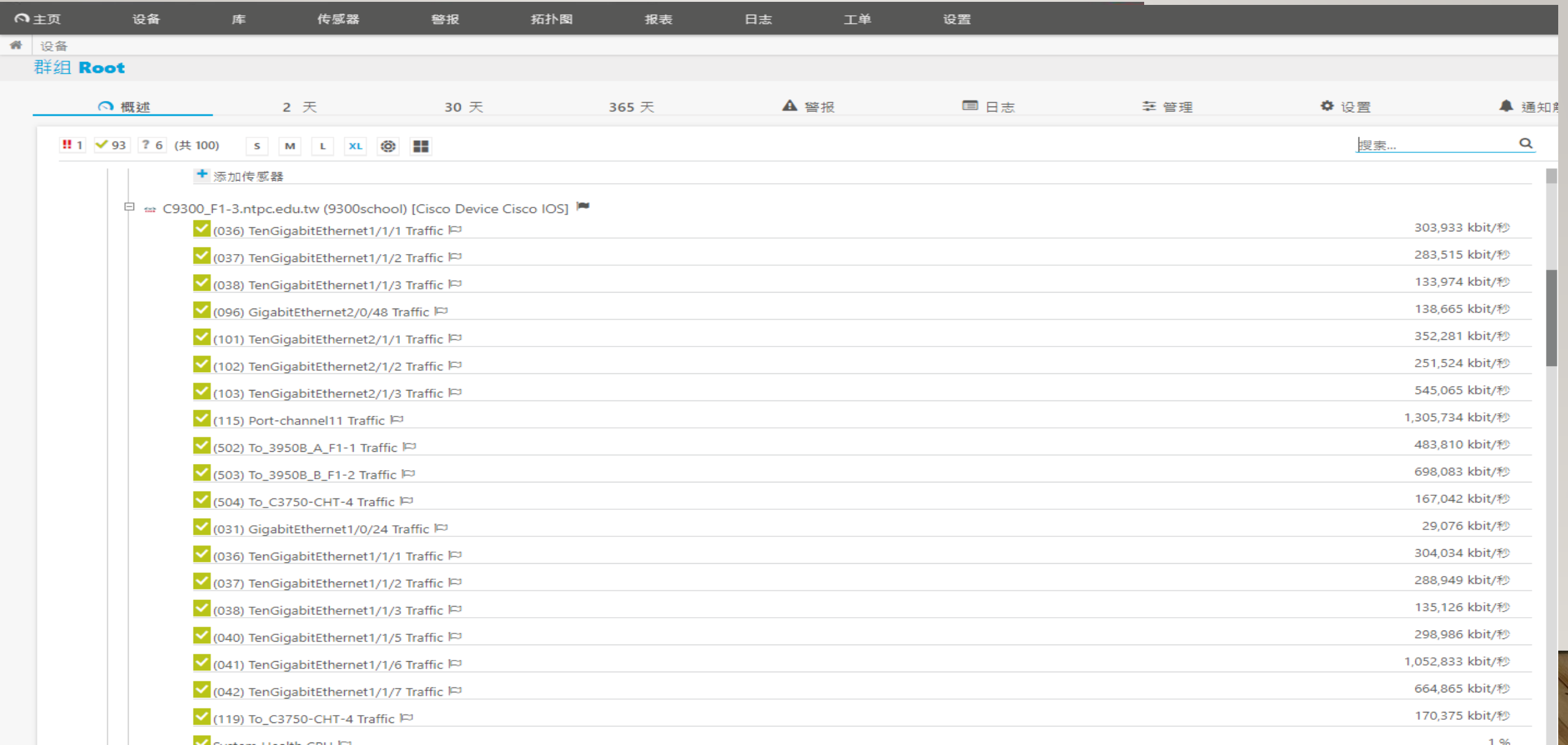
Community String: public

SNMP Port: 161

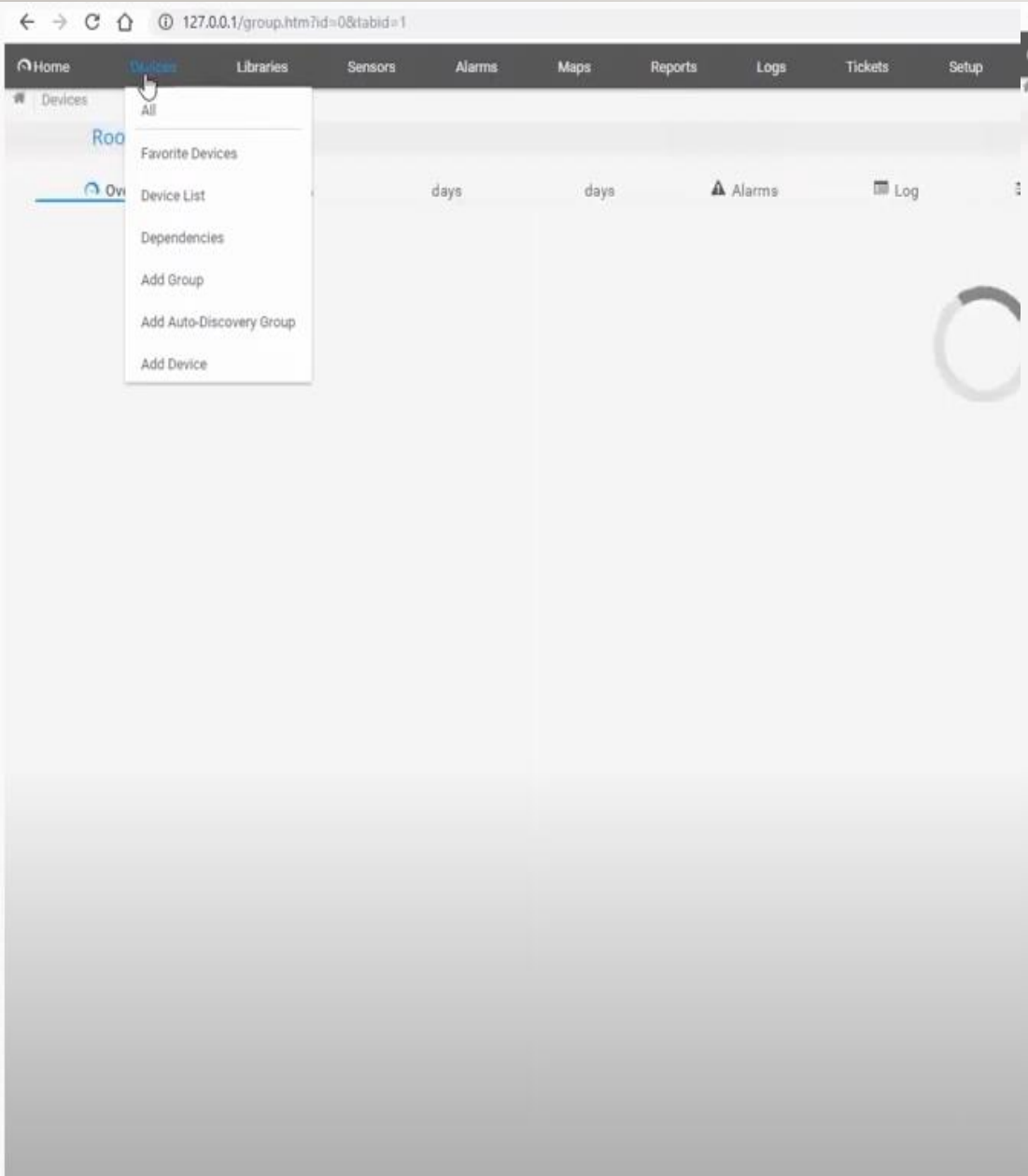
SNMP Timeout (Sec.): 5

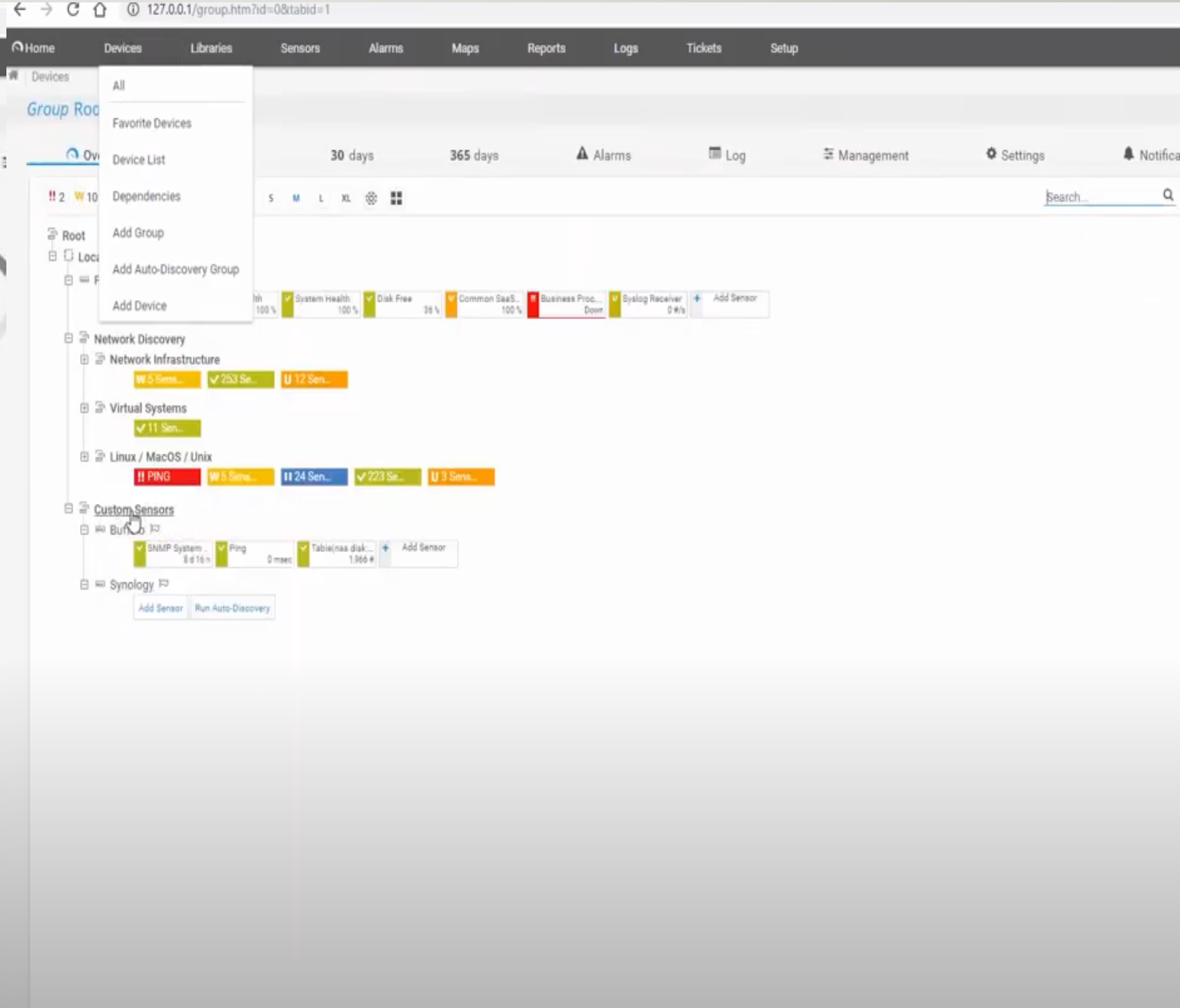
Due to internal limitations, you can only monitor a limited number of sensors per second when using SNMP v3. The main limiting factor is CPU power. Currently, PRTG is able to handle roughly 40 requests per second and computer core, depending on your system. This means that you can run about 5,000 SNMP v3 sensors with a 60-second scanning interval on a computer with two cores, and around 10,000 sensors with a 60-second interval on a system with four cores. If you experience an increased **Interval Delay** *or* **Open Requests** *reading of the Probe Health sensor, you need to distribute the load over multiple probes. SNMP v1 and v2 do not have this limitation.*

面板介紹


主页
设备
库
传感器
警报
拓扑图
报表
日志
工单
设置
设备
群组 Root
概述
2 天
30 天
365 天
警报
日志
管理
设置
1
93
6
(共 100)
S
M
L
XL
搜索...
添加传感器
C9300_F1-3.ntpc.edu.tw (9300school) [Cisco Device Cisco IOS]
(036) TenGigabitEthernet1/1/1 Traffic 303,933 kbit/秒
(037) TenGigabitEthernet1/1/2 Traffic 283,515 kbit/秒
(038) TenGigabitEthernet1/1/3 Traffic 133,974 kbit/秒
(096) GigabitEthernet2/0/48 Traffic 138,665 kbit/秒
(101) TenGigabitEthernet2/1/1 Traffic 352,281 kbit/秒
(102) TenGigabitEthernet2/1/2 Traffic 251,524 kbit/秒
(103) TenGigabitEthernet2/1/3 Traffic 545,065 kbit/秒
(115) Port-channel11 Traffic 1,305,734 kbit/秒
(502) To_3950B_A_F1-1 Traffic 483,810 kbit/秒
(503) To_3950B_B_F1-2 Traffic 698,083 kbit/秒
(504) To_C3750-CHT-4 Traffic 167,042 kbit/秒
(031) GigabitEthernet1/0/24 Traffic 29,076 kbit/秒
(036) TenGigabitEthernet1/1/1 Traffic 304,034 kbit/秒
(037) TenGigabitEthernet1/1/2 Traffic 288,949 kbit/秒
(038) TenGigabitEthernet1/1/3 Traffic 135,126 kbit/秒
(040) TenGigabitEthernet1/1/5 Traffic 298,986 kbit/秒
(041) TenGigabitEthernet1/1/6 Traffic 1,052,833 kbit/秒
(042) TenGigabitEthernet1/1/7 Traffic 664,865 kbit/秒
(119) To_C3750-CHT-4 Traffic 170,375 kbit/秒

ADD DEVICE


127.0.0.1/group.htm?id=0&tabid=1
Home
Devices
Libraries
Sensors
Alarms
Maps
Reports
Logs
Tickets
Setup
All
Favorite Devices
Device List
Dependencies
Add Group
Add Auto-Discovery Group
Add Device
days
days
Alarms
Log


127.0.0.1/group.htm?id=0&tabid=1
Home
Devices
Libraries
Sensors
Alarms
Maps
Reports
Logs
Tickets
Setup
All
Favorite Devices
Device List
Dependencies
Add Group
Add Auto-Discovery Group
Add Device
30 days
365 days
Alarms
Log
Management
Settings
Search...
Root
Network Discovery
Network Infrastructure
Virtual Systems
Linux / MacOS / Unix
PING
Custom Sensors
Synology
Add Sensor
Run Auto-Discovery

将设备添加到群组 网络发现

添加新设备

必要时定义设备名称、地址以及针对自动发现、凭据设置（Windows、Linux、VMware/XEN 和 SNMP）的选项。

PRTG 手册：添加设备

设备名称和地址

设备名称

device

IP 版本

- 使用 IPv4 连接
- 使用 IPv6 连接

IPv4 地址/DNS 名称

需要此字段。

标签

设备图标

取消 确定

将设备添加到群组 网络发现

SNMP 设备凭据

继承自 网络发现 (SNMP 版本: V2, SNMP 端口: 161, 超时 (秒): 5 秒)

SNMP 版本

- v1
- v2c（推荐）
- v3

社区字符串 (Community String)

public

SNMP 端口

161

超时 (秒)

5

数据库管理系统的凭据

继承自 网络发现 (超时 (秒): 60 秒)

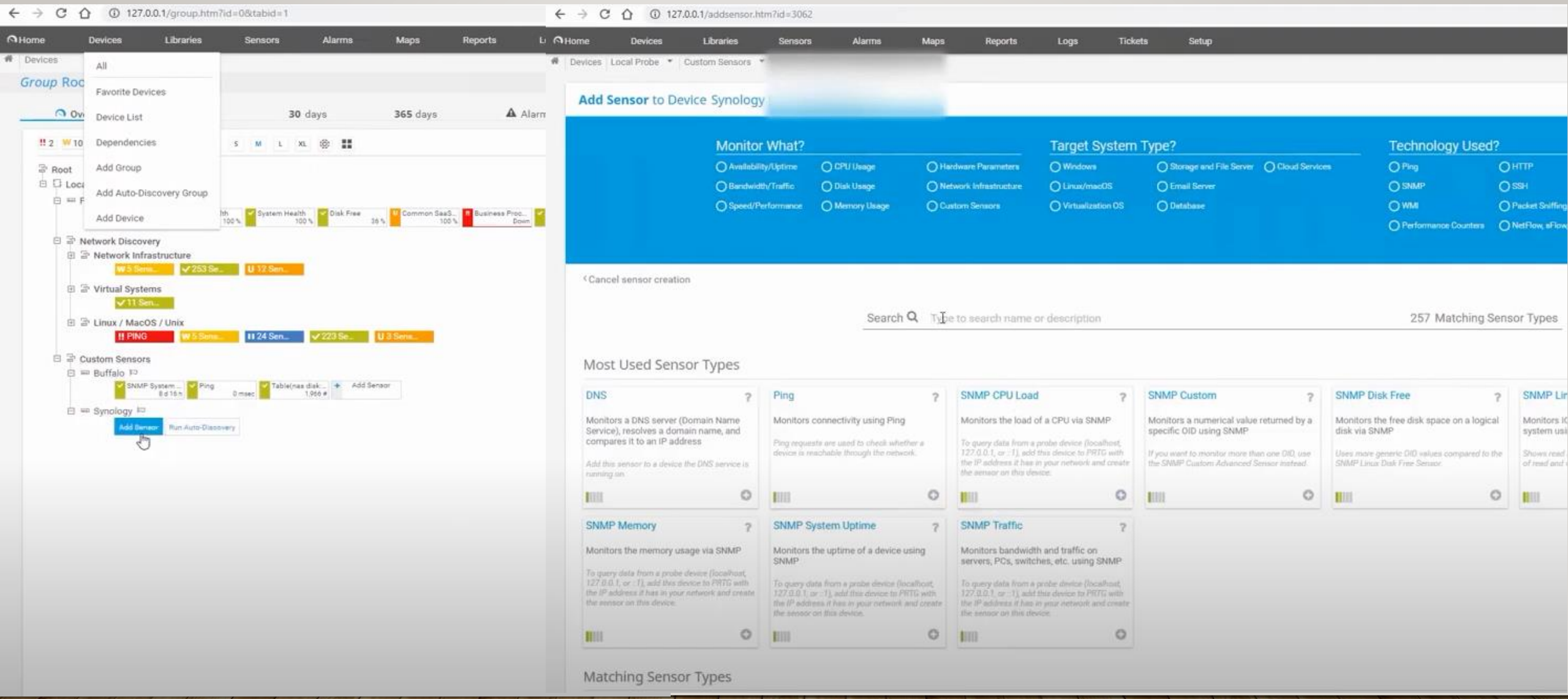
AWS 的凭据

继承自 网络发现

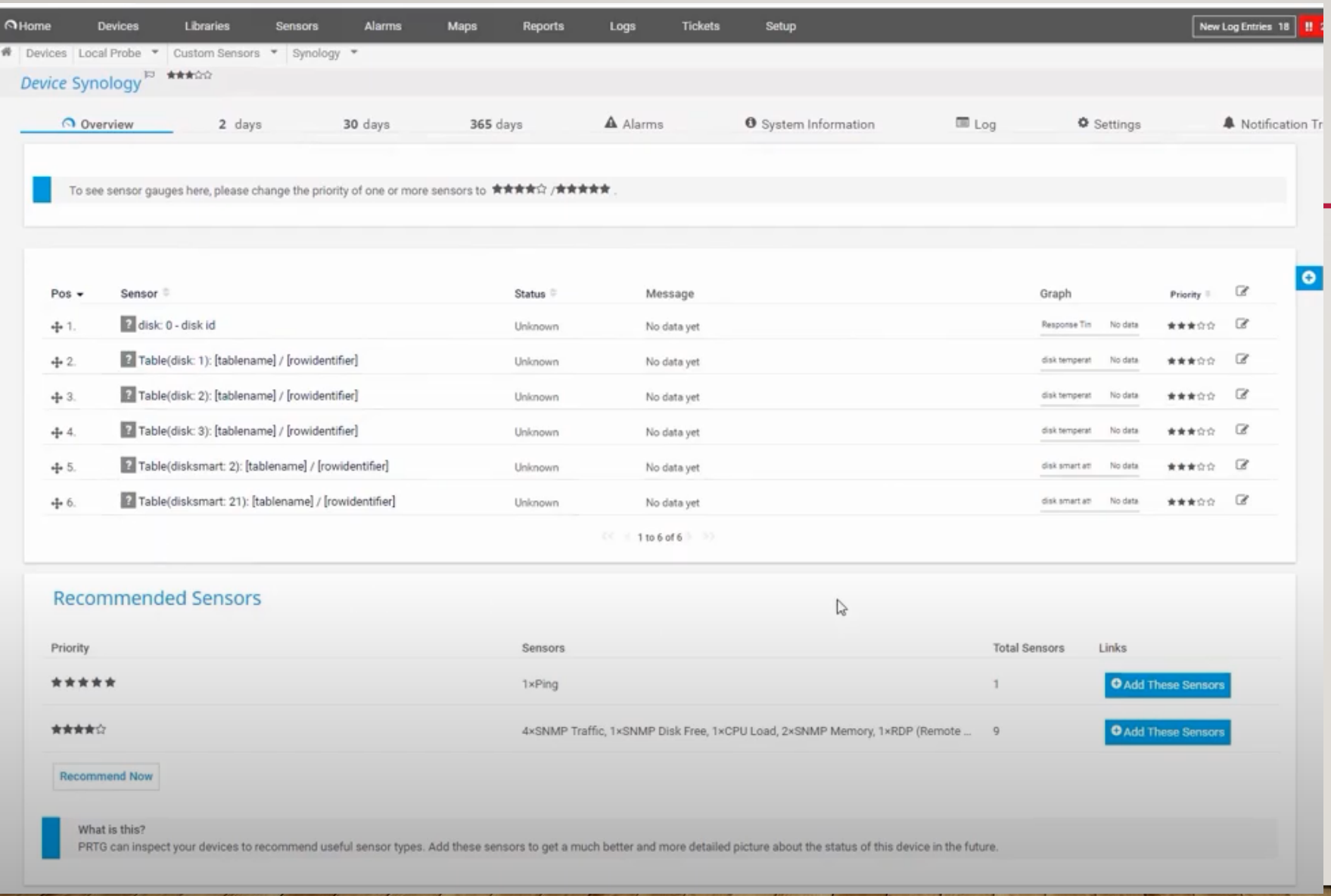
Credentials for Dell EMC

取消 确定

ADD SENSOR


127.0.0.1/group.htm?id=0&tabid=1
Home
Devices
Libraries
Sensors
Alarms
Maps
Reports
All
Favorite Devices
Device List
Dependencies
Add Group
Add Auto-Discovery Group
Add Device
30 days
365 days
Root
Network Discovery
Network Infrastructure
Virtual Systems
Linux / MacOS / Unix
PING
Custom Sensors
Buffalo
Synology
Add Sensor
Run Auto-Discovery
127.0.0.1/addsensor.htm?id=3062
Logs
Tickets
Setup
Local Probe
Custom Sensors
Add Sensor to Device Synology
Monitor What?
Availability/Uptime
CPU Usage
Hardware Parameters
Bandwidth/Traffic
Disk Usage
Network Infrastructure
Speed/Performance
Memory Usage
Custom Sensors
Target System Type?
Windows
Storage and File Server
Cloud Services
Linux/macOS
Email Server
Virtualization OS
Database
Technology Used?
Ping
HTTP
SNMP
SSH
WMI
Performance Counters
Cancel sensor creation
Search
Type to search name or description
257 Matching Sensor Types
Most Used Sensor Types
DNS
Monitors a DNS server (Domain Name Service), resolves a domain name, and compares it to an IP address
Ping
Monitors connectivity using Ping
SNMP CPU Load
Monitors the load of a CPU via SNMP
SNMP Custom
Monitors a numerical value returned by a specific OID using SNMP
SNMP Disk Free
Monitors the free disk space on a logical disk via SNMP
SNMP Memory
Monitors the memory usage via SNMP
SNMP System Uptime
Monitors the uptime of a device using SNMP
SNMP Traffic
Monitors bandwidth and traffic on servers, PCs, switches, etc. using SNMP
Matching Sensor Types

加減SENSOR


Home
Devices
Libraries
Sensors
Alarms
Maps
Reports
Logs
Tickets
Setup
New Log Entries 18
Devices
Local Probe
Custom Sensors
Synology
Device Synology
Overview
2 days
30 days
365 days
Alarms
System Information
Log
Settings
To see sensor gauges here, please change the priority of one or more sensors to ★★★★☆ /★★★★★ .
Pos
Sensor
Status
Message
Graph
Priority
1. disk: 0 - disk id
Unknown
No data yet
2. Table(disk: 1): [tablename] / [rowidentifier]
Unknown
No data yet
3. Table(disk: 2): [tablename] / [rowidentifier]
Unknown
No data yet
4. Table(disk: 3): [tablename] / [rowidentifier]
Unknown
No data yet
5. Table(disksmart: 2): [tablename] / [rowidentifier]
Unknown
No data yet
6. Table(disksmart: 21): [tablename] / [rowidentifier]
Unknown
No data yet
1 to 6 of 6
Recommended Sensors
Priority
Sensors
Total Sensors
Links
★★★★★
1×Ping
1
Add These Sensors
★★★★☆
4×SNMP Traffic, 1×SNMP Disk Free, 1×CPU Load, 2×SNMP Memory, 1×RDP (Remote ...
9
Add These Sensors
Recommend Now
What is this?
PRTG can inspect your devices to recommend useful sensor types. Add these sensors to get a much better and more detailed picture about the status of this device in the future.

添加传感器到设备 C9300_F1-3.ntpc.edu.tw (9300school) [Cisco Device Cisco IOS] [163.20.250.252]

监控什么?

- 可用性/正常运行时间
- CPU 使用情况
- 硬件参数
- 带宽/流量
- 磁盘使用情况
- 网络基础设施
- 速度/性能
- 内存使用情况
- 自定义传感器

目标系统类型?

- Windows
- 存储和文件服务器
- 数据库
- Linux/macOS
- 电子邮件服务器
- 云服务
- 虚拟化操作系统

使用的技术?

- Ping
- HTTP
- PowerS
- SNMP
- SSH
- 推送消息
- WMI
- 数据包嗅探
- PRTG C
- 性能计数器
- xFlow

‹ 取消传感器创建

搜索 键入以搜索名称或描述

284 正在匹配传感器类型

最常用的传感器类型

AWS Cost

Monitors the costs of an AWS account by reading its data from the AWS Cost Explorer API

Needs valid credentials for AWS in the settings of the parent device or group. Every sensor scan generates API call costs in your AWS account.

DNS

监控 DNS 服务器、解析域名并将其与 IP 地址进行比较

将此传感器添加到 DNS 服务运行的设备上。

HTTP

使用 HTTP 监控 Web 服务器

显示网站或特定网站元素是否可达。

Microsoft Azure Subscription Cost BETA

Monitors the cost in a Microsoft Azure subscription

Requires valid Azure AD credentials in the settings of the parent device or group. Make sure that you assigned the correct permissions and roles in your Microsoft Azure subscription.

MQTT 往返

监控 MQTT 代理（服务器）的可用性、连接时间，以及数据包的往返时间。PRTG 将作为发布和订阅客户端连接到代理，并使用预定义主题发送数据包。

需要在父设备中定义的有效 MQTT 凭据。

NetApp 卷 BETA

使用 SOAP 监控 NetAp
存储系统的卷

在探针系统上需要 .NET
cDOT 版本 8.3 及更高版
ONTAP 版本 9.0 及更高

Ping

通过 PING 操作监控连接性

PING 请求用于检查设备是否可以通过网络抵达。

POP3

使用 POP3 监控电子邮件服务器

显示服务器的响应时间。

SNMP 流量

监控在使用 SNMP 的服务器、个人计算机、交换机等设备上的带宽与流量

要从探针设备（本地主机，127.0.0.1 或 ::1）查询数据，请将此设备添加到您网络中具有该 IP 地址的 PRTG，并在此设备上创建传感器。

完成PRTG

主页 设备 库 传感器 警报 拓扑图 报表 日志 工单 设置 新日志条目 14 W 1 97 U 2 搜索...

设备

群组 **Root**

概述 2 天 30 天 365 天 警报 日志 管理 设置 通知触发器 备注

W 1 97 U 2 (共 100) S M L XL

搜索...

- Root
  - 本地探?
    - Probe Device
      - W Core H... 2 传感器
    - 网络发现
      - 网络基础设施
        - DNS: dns153
          - PING 1 毫秒
          - DNS 6 毫秒
          - 添加传感器
        - DNS: dns154
          - PING 4 毫秒
          - DNS 5 毫秒
          - 添加传感器
        - forti3950b-a
          - (003) HA-120 Traffic 23,090 kbit/秒
          - (004) HA-64 Traffic 2.16 kbit/秒
          - (379) TO_N7K_A Traffic 2,366,909 kbit/秒
          - (380) To_New_Switch Traffic 2,283,062 kbit/秒
          - 添加传感器
        - forti3950b-b
          - (379) TO_N7K_A Traffic 2,567,220 kbit/秒
          - (380) To_New_Switch Traffic 2,510,121 kbit/秒
          - 添加传感器
        - C9300_F1-3.ntpc.edu.tw (9300school) [Cisco Device Cisco IOS]
          - (036) TenGigabitEthernet1/1/1 Traffic 1,813,333 kbit/秒

NEED SOME TECHNICAL ADVICE

Not sure how to make this PRTG, YOUR PRTG?

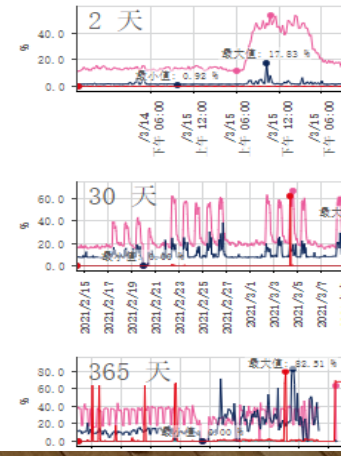
Ask the team >>

状态: 确定

默认时间间隔: 60 secon

ID: #0

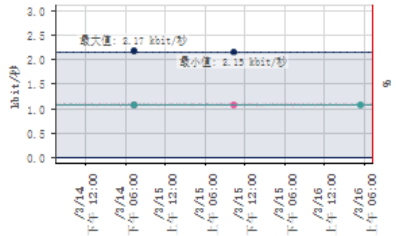
添加传感器



监看

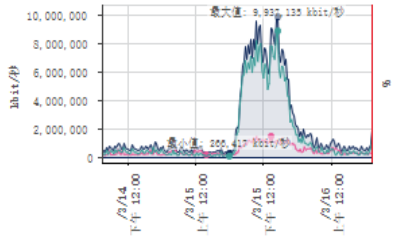
主页 | 设备 | 库 | 传感器 | 警报 | 拓扑图 | 报表 | 日志 | 工单 | 设置 | 新日志条目 14 | W 1 | 97 | U 2 | 搜索...

(004) HA-64 Traffic



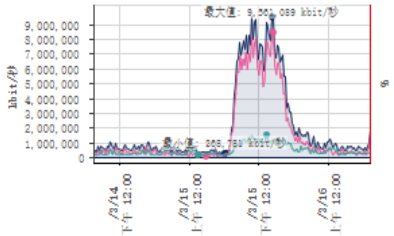
停机时间 (%) 流量合计 (kbit/秒)
入站流量 (kbit/秒) 出站流量 (kbit/秒)

(379) TO_N7K_A Traffic



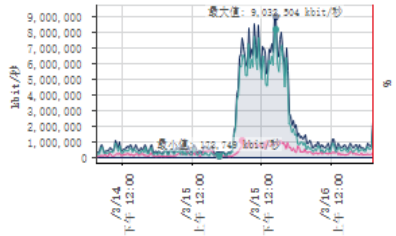
停机时间 (%) 流量合计 (kbit/秒)
入站流量 (kbit/秒) 出站流量 (kbit/秒)

(380) To_New_Switch Traffic



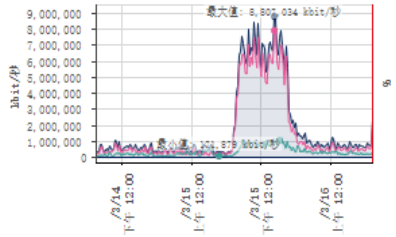
停机时间 (%) 流量合计 (kbit/秒)
入站流量 (kbit/秒) 出站流量 (kbit/秒)

(379) TO_N7K_A Traffic



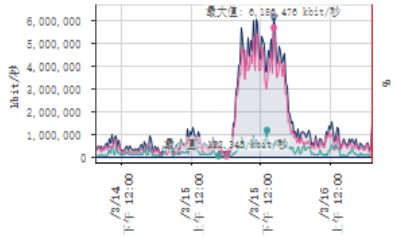
停机时间 (%) 流量合计 (kbit/秒)
入站流量 (kbit/秒) 出站流量 (kbit/秒)

(380) To_New_Switch Traffic



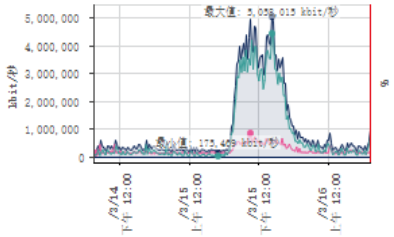
停机时间 (%) 流量合计 (kbit/秒)
入站流量 (kbit/秒) 出站流量 (kbit/秒)

(036) TenGigabitEthernet1/1/1 Traffic



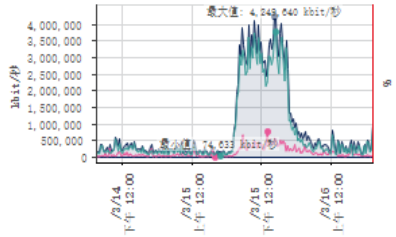
停机时间 (%) Traffic Total (kbit/秒)
Traffic In (kbit/秒) Traffic Out (kbit/秒)

(037) TenGigabitEthernet1/1/2 Traffic



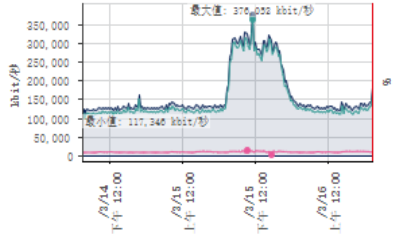
停机时间 (%) Traffic Total (kbit/秒)
Traffic In (kbit/秒) Traffic Out (kbit/秒)

(038) TenGigabitEthernet1/1/3 Traffic



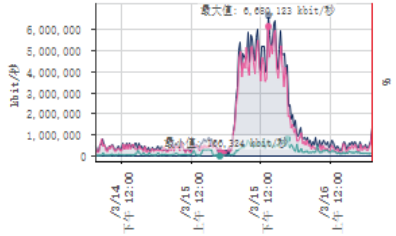
停机时间 (%) Traffic Total (kbit/秒)
Traffic In (kbit/秒) Traffic Out (kbit/秒)

(096) GigabitEthernet2/0/48 Traffic



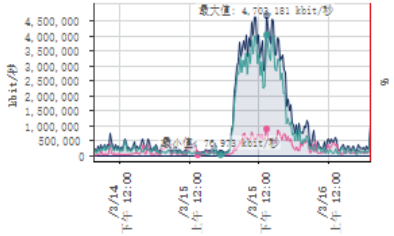
停机时间 (%) Traffic Total (kbit/秒)

(101) TenGigabitEthernet2/1/1 Traffic



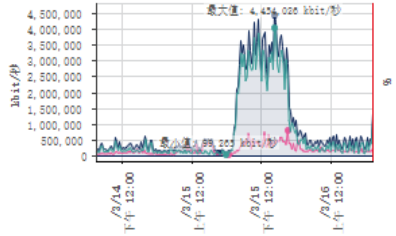
停机时间 (%) Traffic Total (kbit/秒)

(102) TenGigabitEthernet2/1/2 Traffic



Downtime (%) Traffic Total (kbit/秒)

(103) TenGigabitEthernet2/1/3 Traffic



停机时间 (%) Traffic Total (kbit/秒)

手機安裝

- 1、PRTG APP 下載
- 2、PRTG ip
- 3、user name/password
- 4、password random