ISHOD 4 – NADZOR MREŽE + BACKUP

Nadzor mreže nam je ključan u produkciji kako bi bili svjesni svega što se događa u našoj mreži, od ispada linka ili nekog servisa, do nadzora prometa, brzine,...te naravno sve moramo imati backupirano....za ove potrebe koristit ćemo dva alata....pa krenimo:

1. BACKUP + SYSLOG

Za ove potrebe koristit ćemo alat TFTPd64 (na ispitu će vas čekati instaliran)

| 🔖 Tftpd64 by Ph. | Jounin | | | — | | × |
|---------------------|-----------------|-------------|-----------|------------|------|-------|
| Current Directory | C:\Program File | s\Tftpd64 | | • | Brov | wse |
| Server interfaces | 192.168.2.2 | | Realtek I | PCle 🔻 | Shov | v Dir |
| Tftp Server Tftp Cl | ient DHCP serve | er Syslog | g server | Log viewer | | |
| peer | file | start ti | progr | bytes | 6 | total |
| | | | | | | |
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| | | | | | | |
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| < | | | | | | > |
| , | | | | | | |
| About | | Settings | | | Help | |

Na routeru izvšimo par jednostavnih komandi da bi prebacili npr. Konfu iz NVRAM-a na tftp server koji je na našem Pcu:



| × | | | | |
|--------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------|------|
| Currer | nt Directory C\Program | Files\Tftpd64 | ▼ Bro | wse |
| Serv | 🔖 Tftpd64: directory | | × | Dir |
| Tftp | EUPL-EN.pdf | 3/24/2009 34312 | | |
| pee | router-confg syslog.txt tftpd32.chm tftpd32.ini tftpd64.exe uninstall.exe | 7/11/2018 2439 7/11/2018 0 5/5/2018 337332 11/28/2013 1208 5/5/2018 316928 7/11/2018 38386 | | otal |
| < | Close | Сору | Explorer | -> |
| | About | Settings | Help | |

SYSLOG TRAP-ovi:

| Level Keyword | Level | Description | Syslog Definition |
|---------------|-------|----------------------------------|-------------------|
| emergencies | 0 | System unstable | LOG_EMERG |
| alerts | 1 | Immediate action needed | LOG_ALERT |
| critical | 2 | Critical conditions | LOG_CRIT |
| errors | 3 | Error conditions | LOG_ERR |
| warnings | 4 | Warning conditions | LOG_WARNING |
| notifications | 5 | Normal but significant condition | LOG_NOTICE |
| informational | 6 | Informational messages only | LOG_INFO |
| debugging | 7 | Debugging messages | LOG_DEBUG |

Jednostavno ih konfiguriramo:

| Router(config)#1 | ogging host 192.168.2.2 | |
|------------------|-----------------------------------|--------------|
| Router(config)#1 | ogg | |
| Router(config)#1 | ogging tr | |
| Router(config)#1 | ogging trap ? | |
| <0-7> | Logging severity level | |
| alerts | Immediate action needed | (severity=1) |
| critical | Critical conditions | (severity=2) |
| debugging | Debugging messages | (severity=7) |
| emergencies | System is unusable | (severity=0) |
| errors | Error conditions | (severity=3) |
| informational | Informational messages | (severity=6) |
| notifications | Normal but significant conditions | (severity=5) |
| warnings | Warning conditions | (severity=4) |
| <cr></cr> | | |
| | | |
| Router(config)#1 | ogging trap | |

Kada podesimo host (adresu našeg PC-a na kojem je server) i odaberemo severity level, možemo u syslog serveru vidjeti prve logove, npr. Ugasimo/uplaimo interfejs i vidmo te događaje:

| 🎨 Tftpd64 by Ph. Jounin | _ | | × |
|-------------------------------------------------------------|------------|-------|-------|
| Current Directory C\Program Files\Tftpd64 | - | Bro | wse |
| Server interfaces 192.168.2.2 Realtek F | Cle 🔻 | Sho | w Dir |
| Tftp Server Tftp Client DHCP server Syslog server L | .og viewer | | |
| text from | date | | |
| <189>34: Jan 1 05:13:31.102: %LINEPR 192.168.2.254 | 11/07 15: | :52:3 | |
| <189>35: Jan 1 05:13:36.670: %LINEPR 192.168.2.254 | 11/07 15: | :52:3 | |
| <189>36: Jan 1 05:23:24.266: %SYS-5-C 192.168.2.254 | 11/07 16: | :02:2 | |
| <189>37: Jan 1 06:31:31.266: %SYS-5-C 192.168.2.254 | 11/07 17: | :10:3 | |
| <189>38: Jan 1 06:35:40.122: %LINK-5-C 192.168.2.254 | 11/07 17: | :14:4 | |
| <189>39: Jan 1 06:35:41.122: %LINEPR 192.168.2.254 | 11/07 17: | :14:4 | |
| <187>40: Jan 1 06:36:09.598: %LINK-3 192.168.2.254 | 11/07 17: | :15:1 | |
| | | | |
| Clear Copy | | | |
| About Settings | | Help | |

2. NADZOR MREŽE I PROMETA PRTG ALAT

Za nadzor mrežnih uređaja i prometa (netflow) koristit ćemo besplatan i moćan alat PRTG koji je jako jednostavan za korištenje i daje nam uvid u našu mrežu, gdje možemo raditi fine tuning po svakom uređaju i interfejsu te dodavati brojne senzore koji nam pomažu u nadzoru....pa krenimo...

2.1. Nadzor WAN i LAN interfejsa na routeru

Postavit ćemo senzore za wan i lan interfejse koji će nam raditi stalni ping kako bi nam nadzirali dostupnost interfejsa i dodatno ćemo postaviti limite kako bi nam javljao poruke ukoliko je promet premali (npr. to nam ukazuje da nešto nije uredu s klijentima ili serverima u lan mreži jer ne proizvode promet) ili prevelik (npr. dolazi do zagušenja, netko generira prevelik promet).

Za potrebe nadzora koristimo SNMP protokol s kojim naš nadzorni alat PRTG (on je server) prikuplja podatke od klijenta (to je naš router).

Na routeru trebamo podesiti nekoliko bitinih stvari za SNMP:

SNMP: R1(config)#snmp-server community prtgRO RO R1(config)# snmp-server community prtgRW RW R1(config)# snmp-server trap-source FastEthernet0/0 R1(config)#snmp-server enable traps R1(config)# snmp-server host 192.168.1.10 version 2c prtgRO

Moramo postaviti community (to je naziv grupe npr prtgRO), RO znači read only, RW read write, podesimo source interface, enablamo trap-ove (trapovi su informacije koje će server tražiti od klijenta, kada upišemo enable otvaramo praktički sve) i na kraju podesimo ip adresu našeg PC-a i verziju zajedno s communityem jer ćemo te iste podatke podesiti na serveru.

A sad krenimo na server....



Desni klik na Network Infrastructure i odaberemo add device

Zatim podesimo naziv i ip adresu našeg rutera kako bi ga dodali u nadzor...

| Device | Name ar | nd Addre | 224 | | | | | | | |
|------------|-------------------------|------------|------------|------------|-----------------|------------|-----------|------------|---------------------|--|
| Device No | | | | | | | | | | |
| Device Na | ime 🔮 | | | | | | | | | |
| CiscoRou | iter | | | | | | | | | |
| IP Versior | 1 0 | | | | | | | | | |
| 🜔 Conn | ect using IP | v4 | | | | | | | | |
| | ect using IP | v6 | | | | | | | | |
| IPv4 Addr | ess/DNS Na | ime 🛈 | | | | | | | | |
| 192,168.3 | 2.254 | | | | | | | | | |
| | | | | | | | | | | |
| Tags 🕕 | | | | | | | | | | |
| 0 | | | | | | | | | | |
| Device Ico | on 📵 | | | | | | | | | |
| 0 🚥 | ○ | 0 🗄 | | 0 | 0.0 | 0 🗔 | . | 0 🖷 | $\bigcirc 	riangle$ | |
| O 🗯 | 0 🗇 | | \bigcirc | \bigcirc | $\circ \square$ | | ○ 🖽 | Ο⊟ | ○⊟ | |
| O 🗳 | 0 🖭 | \bigcirc | | 〇回 | \bigcirc | \bigcirc | | ○ 😣 | \bigcirc | |
| | \bigcirc | 0 *** | \circ | | 0 🗯 | 0 ᡐ | O brother | o B | Санон | |
| cisco | $\bigcirc \blacksquare$ | ○ D | О ЕМС | | O rujinsu | | 0 🥢 | 0 - | O 🜺 | |
| | | | | | | | | | | |

Kad smo dodali router u nadzor možemo dodati senzore za WAN i LAN interfejse kako bi nadzirali promet i kako bi dobivali poruke ukoliko se probiju limiti koje nadziremo!

1

| | 192 📾 | .168.2.254 | 4 (Ciscol | Roi | uter) 🏳 | |
|--|-------|--------------------------|-----------|-----|-------------------------------|----------------------------------|
| | | Ping | 0 msec | | FastEthernet0/ 8.86 kbit/s | f0/1 WAN Traf 8.09 kbit/s |
| | | | | | | |

Add Sensor to Device 192.168.2.254 (CiscoRouter) [192.168.2.254]

| | Monitor What? | | Target System | Туре? | Technology Used | j? | |
|--------------------------|---------------------|----------------------------|---------------------------|------------------|------------------------|----------------------------------|--|
| | Availability/Uptime | O Memory Usage | O Windows | O Email Server | O Ping | O Packet Sniffing | |
| | Bandwidth/Traffic | Hardware Parameters | C Linux/MacOS | O Database | | O NetFlow, sFlow, jFlow | |
| | O Speed/Performance | O Network Infrastructure | Virtualization OS | O Cloud Services | O WMI | OPowerShell | |
| | O CPU Usage | O Custom Sensors | O Storage and File Server | | O Performance Counters | O Push Message Receiver | |
| | O Disk Usage | | | | Онттр | | |
| | | | | | O SSH | | |
| < Cancel sensor creation | | | | | | > Looking for more sensor types? | |
| | Search O Type to | search name or description | | | 40.1 | Matching Sonsor Types | |

Most Used Sensor Types

| NetApp LIF BETA | 2 | NetApp LUN BETA ? | NetApp NIC BETA | ? | NetApp Volume BETA ? | SNMP Traffic |
|------------------------------------------------------------|---|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Monitors logical interfaces of a NetApp cluster using SOAP | | Monitors the logical unit number (LUN) of a NetApp cDOT or ONTAP storage system | Monitors the network interface control (NIC) of a NetApp cDOT or ONTAP cluster | ler ster | Monitors volumes of a NetApp cDOT or ONTAP storage system using SOAP | Monitors bandwidth and traffic on servers, PCs, switches, etc. using SNMF |
| Needs .NET 4.5 installed on the computer | | Using SOAF | using SOAF | | Needs .NET 4.5 installed on the computer | Click question mark to open help |

Zatim editiramo senzore da bi postavili limite:

🌣 Management 2 days 30 days 365 days Alarms **9** Overview Log 🖋 Settings (2) Notifications Status: Sensors: Search: o o o o o 이 📘 ✓ 1 (of 9) P Search... OK Group 🖃 🚥 192.168.1.20 (R1) PING 11 (001) FastEth... 11 (002) FastEth... 12 (003) FastEth... 11 (004) FastEth... 12 (005) Serial2/... 12 (006) Serial2/... 12 (007) Serial2/... 12 (007) Serial2/... Add Remote Probe + Add Group Add Auto-Discovery Group Add Device
 Add Sensor
 Add Mobile Android Probe

CREDENTIALS FOR SNMP DEVICES

inherit from Port: 161, SNMP Timeou...)

| SNMP Version | ○ v1 ● v2c | |
|---------------------|---------------|-------------------|
| | 0 v3 | |
| Community String | prtgRO | Default je public |
| SNMP Port | 161 | |
| SNMP Timeout (Sec.) | 5 | |

Group Group ****

| ⊮ Settings | Channel Settings | |
|------------------------------|------------------|--------|
| | | |
| Select Channel | | |
| Channel | | |
| Downtime (ID -4) | | |
| Traffic Total (ID -1) | | |
| Traffic In (ID 0) | | |
| Traffic Out (ID 1) | | \sim |
| | | |
| Edit Channel "Traffic Total" | | |
| Name 🕕 | | |
| Traffic Total | | |
| ID 🖲 | | |
| -1 | | |
| Limite | | |
| | <u>Cancel</u> OK | |

Edit Object FastEthernet0/0 Traffic

| Limits 🙂 | | |
|---------------------------------|--------|----|
| O Disable limits | | |
| Enable alerting based on limits | | |
| Upper Error Limit (kbit/s) 💷 | | |
| 3000 | | |
| | | |
| Opper warning Limit (Kbit/s) | | |
| 2500 | | |
| Lower Warning Limit (kbit/s) 🔍 | | |
| 500 | | |
| Lower Error Limit (khit/s) 🕕 | | |
| 100 | | |
| | | |
| Error Limit Message 🕕 | | |
| Link samo sto nije otkazao | | |
| Warning Limit Message 🕕 | | |
| Link je zagusen | | |
| Graph Pandaring | | |
| | | |
| | | |
| | | |
| Table Rendering 🕚 | | |
| | Canaal | OK |
| | Cancel | UK |

Postavite dovoljno male limite kako bi ih na ispitu lako mogli dokazati da rade!

Zatim generiramo neki promet ...ping, ili još bolje youtube kako bi generirali promet i dobili poruke od PRTG-a da smo probili limite...

| Overview | (••) Live Data | 2 davs | 30 days | 365 days | 📥 Historic Data | 🔳 Log | 🌣 Sett |
|---------------------------------------------------|--------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------|--------------------------|-----------------------------------------|---------|
| affic Total | | Traffic In | Traffic | Out | | | |
| | | | | | | | |
| | | 1.73 kbit/s | Y 🗧 11 kbit | /s 🔨 🏅 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | 0 7 420 km | sit/a | | | | | |
| 2 kbit/s | 0 7,439 kb | bit/s ✿≖ | | | | | |
| 2 kbit/s | 0 7,439 kb | bit/s | | | | | |
| 2 kbit/s | 0 7,439 kb | bit/s ♥ # | Last Value | Minim | | Maximum | |
| 2 kbit/s Channel → | 0 7,439 kb | Last Value (volume) \$ | Last Value (speed) ≑ | Minimu | ım † | Maximum 🗘 | |
| 2 kbit/s Channel - Downtime | 0 7,439 kb ID \$ -4 | bit/s ♥ ∓ Last Value (volume) \$ | Last Value (speed) ≑ | Minimu | ım ÷ | Maximum 🗘 | °° |
| 2 kbit/s Channel – Downtime Traffic In | 0 7,439 kb ID = -4 0 | bit/s ♥ ∓ Last Value (volume) \$ 13 KByte | Last Value (speed) ≎ 1.73 kbit/s | Minima | u m ≑ kbit/s | Maximum 🗘 216 kbit/s | °°, |
| 2 kbit/s Channel Channel Traffic In Traffic Out | 0 7,439 kb ID \$ -4 0 | Last Value (volume) = 13 KByte 78 KByte | Last Value (speed) ≑ 1.73 kbit/s 11 kbit/s | Minimu | um ≑ kbit/s kbit/s | Maximum 🖨 216 kbit/s 7.223 kbit/s | °° 0 |

Morate dobiti ovakvu poruku ako je promet premali ili ga nema!

2.2. NETFLOW

Također želimo imati uvid i grafove o korištenju linka, tko nam surfa, gdje i koliko... Za to koristimo senzor NETFLOW....pa idemo i to podesiti...

Prvo router konfamo:

R1(config)#int fa 0/0 R1(config-if)#ip flow ingress R1(config-if)#ip flow egress R1(config-if)#exi R1(config)#ip flow-export source fa 0/0 R1(config)#ip flow-export ver 9 R1(config)#ip flow-export destination 192.168.0.22 9996 R1(config)#

| If 6 16 (rf 22) s L xL Image: Second secon | Overview | 2 days | 30 days | 365 days | Alarms | 🔳 Log | ≢ Management | 🌣 Sett |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|----------------|--------------------|--------------------|----------------------|---------------------------------------|--------|
| Root Core Probe Probe Device P Core Health Core Health Probe Health<!--</td--><td>‼ 6 ✓16 (of 22)</td><td>S M L XL</td><td>0</td><td></td><td></td><td></td><td>Search</td><td></td> | ‼ 6 ✓16 (of 22) | S M L XL | 0 | | | | Search | |
| Local Probe □ Probe Device □ □ Core Health 100 V Probe Health 100 V Disk Free 62 V Common SasS. I Intel[R] Dual Ba. V Teredo Tunel + Add Sensor □ Network Discovery □ Network Infrastructure □ Internet □ □ Internet □ □ Internet □ □ Ping 0 mee I FastEthemet0/, I fo/1 WAN Traf. VetFlow V5 8.02 kbir/s + Add Sensor □ Windows □ Clients Add Device □ Servers Add Device □ Virtual Systems □ Windows □ Clients Add Device □ Virtual Systems | Root | | | | | | | |
| Probe Device P Core Health Probe Health System Health Disk Free Common SasS. Intel[R] Dual Ba. Teredo Tunnel Add Sensor Network Discovery Network Infrastructure Internet Add Sensor Image: Ima | 🗆 😳 Local Probe | | | | | | | |
| Core Health 100 System Health | 🗆 📟 Probe Devid | ce 🛱 | | | | | | |
| Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Image: Servers Servers Servers Servers </td <td>✓ Core</td> <td>Health 100 %</td> <td>alth System He</td> <td>ealth Disk Free 62</td> <td>% Common SaaS !! I</td> <td>ntel[R] Dual Ba 🗸 Te</td> <td>redo Tunneli + Add Sensor 0 kbit/s</td> <td></td> | ✓ Core | Health 100 % | alth System He | ealth Disk Free 62 | % Common SaaS !! I | ntel[R] Dual Ba 🗸 Te | redo Tunneli + Add Sensor 0 kbit/s | |
| Image: Second secon | R S Network Di | | | | | | | |
| Internet Internet Image: Internet Image: Internet Image: Internet Image: I | | scovery | | | | | | |
| Image: Image | | | | | | | | |
| 299 msec 192.168.2.254 (CiscoRouter) ▷ Ping 0 msec # FastEhemet0/. # f0/1 WAN Traf 17 kbi/s # NetFlow V5 8.02 kbi/s * Add Sensor 8.02 kbi | | HTTP + | Add Sensor | | | | | |
| Image: Servers Add Device Image: Servers Image: Servers | | 259 msec | | | | | | |
| □ mec If pastet internet(), If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) □ If (0,1) WAR (Tail) If (0,1) WAR (Tail) If (0,1) WAR (Tail) <td>🖻 👐 192.</td> <td>168.2.254 (CiscoRou</td> <td>ter) 🖾</td> <td></td> <td>WV/F</td> <td></td> <td></td> <td></td> | 🖻 👐 192. | 168.2.254 (CiscoRou | ter) 🖾 | | WV/F | | | |
| □ □ Clients Add Device □ □ □ Servers Add Device □ □ Virtual Systems □ □ Virtual Systems □ □ Virtual Systems | | 0 msec | 17 kbit/s | 16 kbit/s | 8.02 kbit/s | | | |
| □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ | 🗉 🗟 Window | s | | | | | | |
| Add Device ☐ ☐ Servers Add Device ☐ ☐ Virtual Systems I! HTTP I! HTTP I! HTTP I! HTTP I! HTTP I! HTTP | 🗆 🚍 Clier | nts | | | | | | |
| □ □ □ Add Device □ □ □ Virtual Systems ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ● □ ■ ● | | Add Device | | | | | | |
| □ □ □ Servers Add Device □ □ □ □ Virtual Systems II HTTP II HTTP II HTTP | | | | | | | | |
| | | Add Device | | | | | | |
| E E Virtual Systems II HTTP II HTTP ✓ 6 Sens | | | | | | | | |
| | 🗄 🚔 Virtual s | | | A 6 Sone | | | | |
| | | | | V O Seria | | | | |

U tražilicu upišete Netflow da vam nađe senzor (jer PRTG ima jako puno senzora pa je tražilica korisna) i odaberete ga te ga dalje editirate:

Add Sensor to Device 192.168.2.254 (CiscoRouter) [192.168.2.254]

| | Monitor V | Vhat? | Target System Type? | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|
| | Availability/ | Uptime O Memory Us | age | Windows | C Email Serv |
| | O Bandwidth/ | Traffic O Hardware P | arameters | O Linux/MacOS | O Database |
| | O Speed/Perfo | rmance ONetwork Inf | rastructure | O Virtualization OS | Cloud Ser |
| | O CPU Usage | O Custom Ser | nsors | Storage and File Server | |
| | O Disk Usage | | | | |
| Cancel sensor creation | | | | | |
| | Search Q | letflow | | | |
| | | | | | |
| | | | | | |
| Matching Sensor Type | es | | | | |
| Matching Sensor Type NetFlow V5 | PS | ow V5 (Custom) | ? | NetFlow V9 | 1 |
| Matching Sensor Type NetFlow V5 Monitors a switch using NetFlow 5 | PS NetFla Version Monito 5 (cust | ow V5 (Custom) rs a switch using NetFlow omizable) | ? Version | NetFlow V9 Monitors a switch using No 9 | 1 etFlow version |
| Matching Sensor Type NetFlow V5 Monitors a switch using NetFlow 5 The router/switch must be configured compatible flow data to PRTG. | NetFle version Monito 5 (cust to send The rou compati | ow V5 (Custom) rs a switch using NetFlow omizable) ter/switch must be configured ible flow data to PRTG. | ? Version d to send | NetFlow V9 Monitors a switch using Ne 9 The router/switch must be con compatible flow data to PRTG | tFlow version |

Zatim u PRTG-u odaberemo add sensor:

Potrebno je podesiti ip adresu routera (LAN interfejs) i broj udp porta (stavimo bilo koji, ja sam stavio 9999, ali isti taj moramo podesiti i na routeru) Edit Object NetFlow V5

| NetFlow V5 | | |
|---------------------------------------|--------|----|
| Parent Tags 📵 | | |
| Tags 🕕 | | |
| bandwidthsensor X netflowsensor X | | |
| Priority 🚯 | | |
| | | |
| NetFlow V5 Specific Settings | | |
| Receive NetFlow Packets on UDP Port | | |
| 9999 <mark>-</mark> | | |
| Sender IP 🖲 | | |
| 192.168.2.254 | | |
| Receive NetFlow Packets on IP | | |
| | Cancel | ОК |

