POWER live

Total network support

PowerC

V2.1

PRTG NETWORK MONITOR

PowerSenS

CISCO

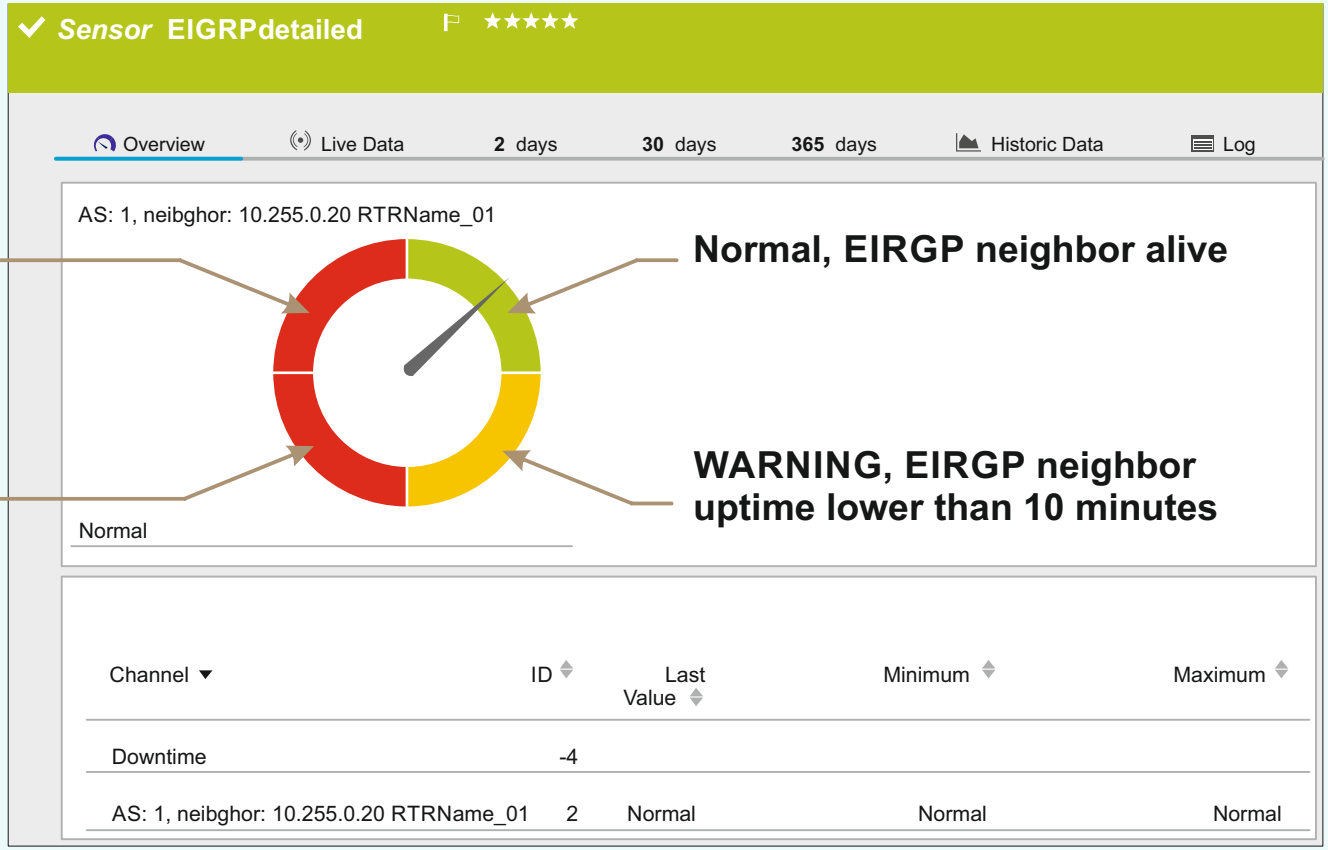
EIGRP neighbors status sensor

POWER live

Total network support

EIGRPneighborsstatus

Description
This is multichannel sensor each channel represent EIGRP neighbor status and neighbors count in each AS



Unknown ERROR

Normal, EIRGP neighbor alive

ERROR EIRGP neighbor lost

WARNING, EIRGP neighbor uptime lower than 10 minutes

One channel example

CISCO PRTG NETWORK MONITOR

EIGRPneighborsstatus

Cisco IOS configuration

1. add snmp-server view
2. add standard ip access-list and allow Your SNMP server
3. add snmp-server group
4. add snmp-server user

Cisco IOS configuration , example:

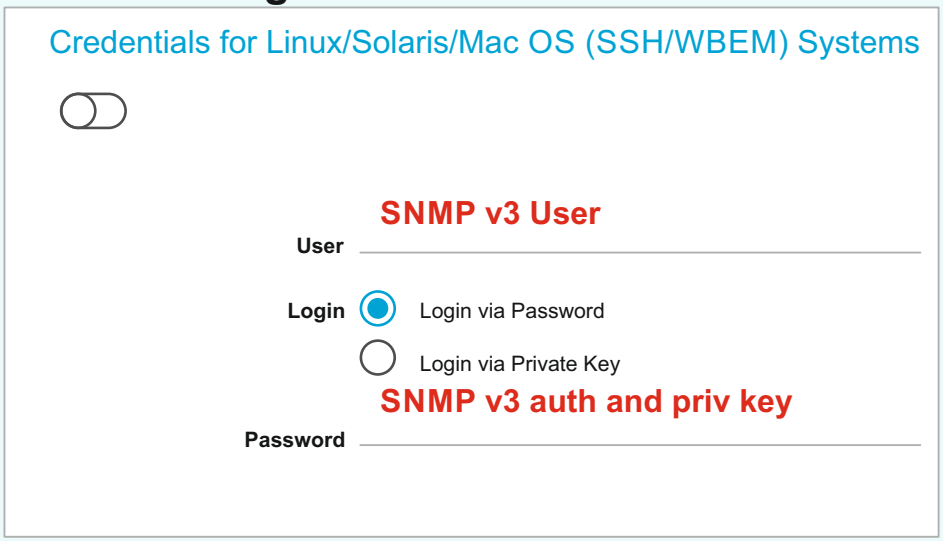
```
ip access-list standard SNMPacl3
  permit 172.16.0.112

snmp-server view SNMPv3-View iso included
snmp-server group SNMPv3-G v3 priv read SNMPv3-View access SNMPacl3
snmp-server user SNMPuser SNMPv3-G v3 auth sha Pass123 priv aes 128 Pass123
```

EIGRPneighborsstatus

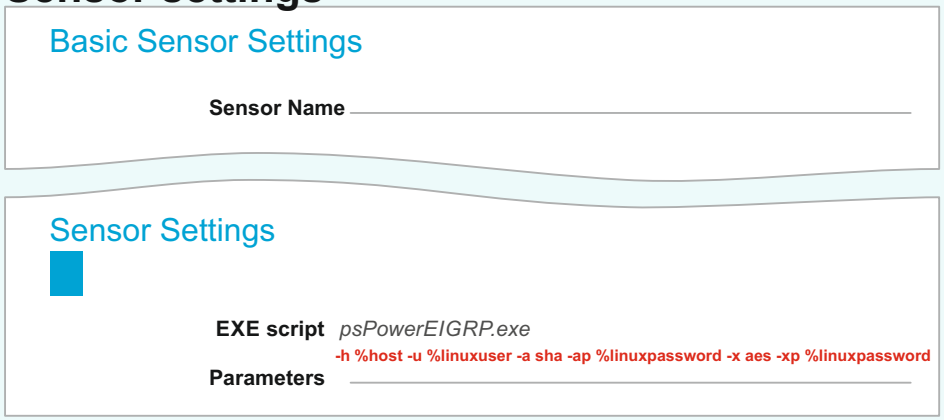
Settings
limitation: because PRTG do not allow read SNMP v3 settings from sensor we recommended use Linux credentials instead plain tex keys in parameters but auth and priv keys will be same

1. Copy file **psPowerEIGRP.exe** to **\PRTG Network Monitor\Custom Sensors\EXEXML** folder
2. Copy file **EIRGPv2.ovl** to **\PRTG Network Monitor\lookups\custom** folder
3. Go to **PRTG->Setup->System Administration->Administrative Tools for the Core Server** and click **Load Lookups**
4. In devices settings add credentials for Linux/Solaris/Mac OS. use SNMP v3 user as Linux user and auth and priv keys (must be same) as Linux password
5. Add **EXE/Script Advanced sensor**, in dropdown list, select **psPowerEIGRP.exe**
6. Parameners must be: **-h %host -u %linuxuser -a sha -ap %linuxpassword -x aes -xp %linuxpassword**

Device settings



Sensor settings



EIGRPneighborsstatus

Add names for the neighbors

You must add sensor when all Your EIGRP neighbors is alive.
After first start, sensor make json file with name **<Your router IP>EIGRPsensorsv2.json**
(example: 192.158.0.1EIGRPsensorsv2.json)
Json files will be save to **\PRTG Network Monitor\Custom Sensors\EXEXML** folder

In this file, You can add names of Your neighbors in «neibghour_name» field like this:

```
[
  {"router_name":"RTR1",
   "router_ip":"192.168.0.1",
   "eigrp_neibghor_count":[{"ASnumber":1,"NeibghorCount":1}],
   "eigrp_neibghors":[{"neibghor_ip":"10.225.0.20",
                       "neibghor_up_time":6739200,
                       "neibghour_name":"Added name!",
                       "as_number":1,"currently_exist":true
                       }]
  }
]
```

Because PRTG do not allow delete channels in the sensor, You must save changes and delete and add sensor again.
After this, You can see IP addresses and names of the neighbors.
Also You can provide multiple routers separate by comas like: -h 192.168.0.1,192.168.117.2
In this scenario, name of channel will be contain router name

More information

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