POWER live

Total network support

PowerC

V2.0

PRTG NETWORK MONITOR

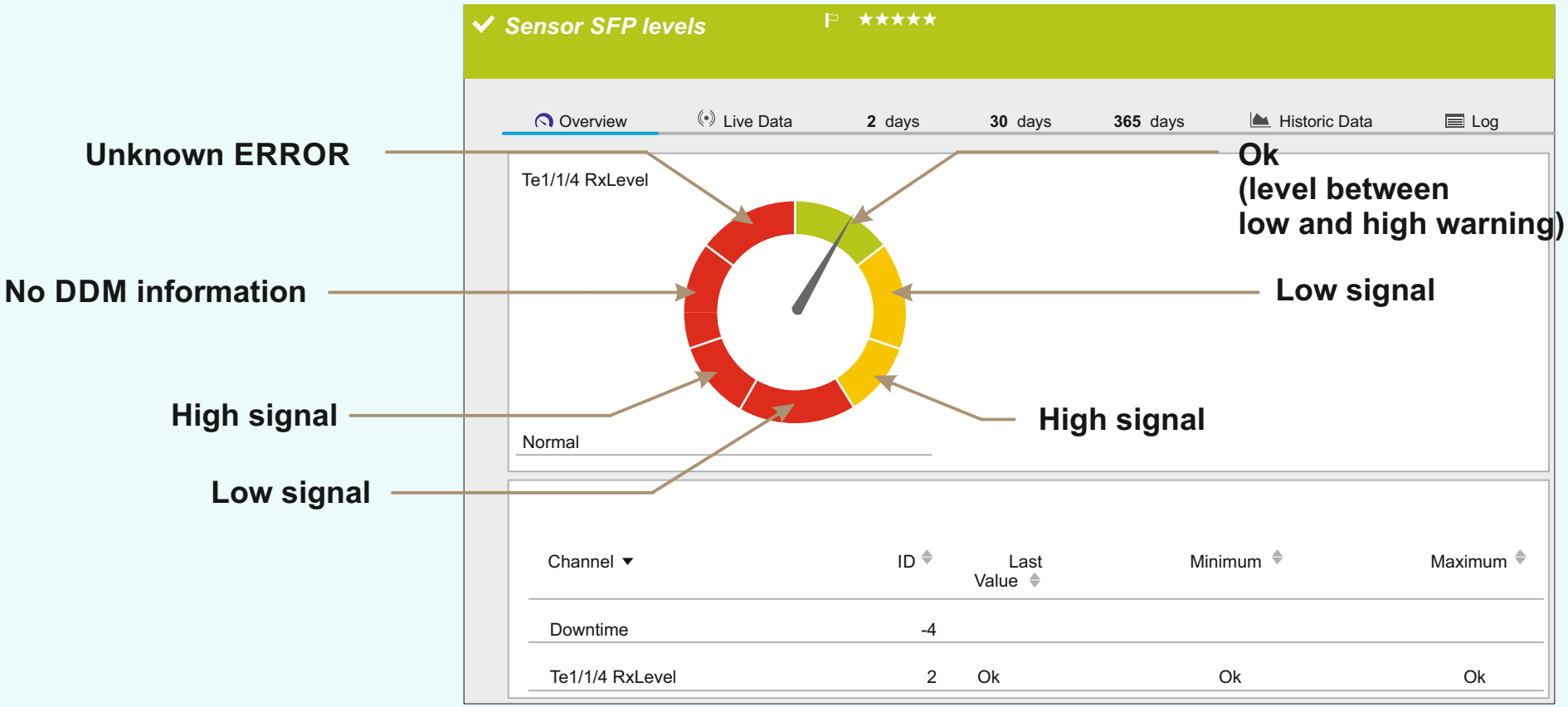
PowerSenS

CISCO

SFP Digital Diagnostic Monitoring sensor
get information from Cisco switch by SSH

SFPDDMSSH

Description
This is multichannel sensor each channel represent Rx power (normal low warning, low alarm, high warning, high alarm)



One channel example

SFPDDMSSH

Cisco IOS configuration

1. add user with low privilege 2 (user need to execute commands: show interface transceiver and terminal length 0)
2. login to switch use this username and do next:
   2.1 terminal length 0
   2.2 show interface transceiver detail

Example output:

Port	Temperature (Celsius)	High Alarm Threshold (Celsius)	High Warn Threshold (Celsius)	Low Warn Threshold (Celsius)	Low Alarm Threshold (Celsius)
Te1/1/4	25.4	75.0	70.0	0.0	-5.0
Te2/1/4	25.4	75.0	70.0	0.0	-5.0

Port	Voltage (Volts)	High Alarm Threshold (Volts)	High Warn Threshold (Volts)	Low Warn Threshold (Volts)	Low Alarm Threshold (Volts)
Te1/1/4	3.31	3.63	3.46	3.13	2.97
Te2/1/4	3.31	3.63	3.46	3.13	2.97

Port	Optical Transmit Power (dBm)	High Alarm Threshold (dBm)	High Warn Threshold (dBm)	Low Warn Threshold (dBm)	Low Alarm Threshold (dBm)
Te1/1/4	-1.7	3.4	0.4	-8.1	-12.1
Te2/1/4	-1.9	3.4	0.4	-8.1	-12.1

Port	Optical Receive Power (dBm)	High Alarm Threshold (dBm)	High Warn Threshold (dBm)	Low Warn Threshold (dBm)	Low Alarm Threshold (dBm)
Te1/1/4	-6.9	3.4	0.4	-14.4	-18.3
Te2/1/4	-8.2	3.4	0.4	-14.4	-18.3

Copy interface name which you want to monitor (for example Te1/1/4 and Te2/1/4)

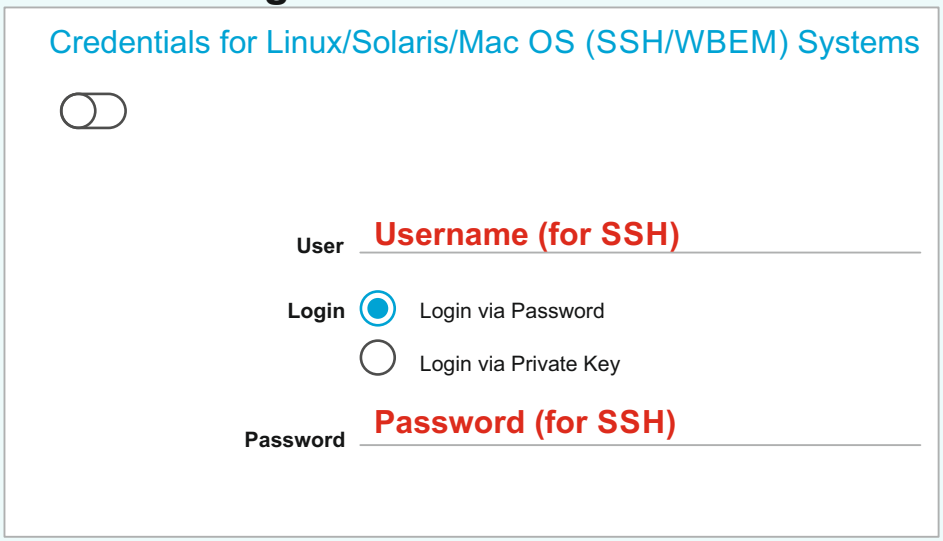
SFPDDMSSH

Settings

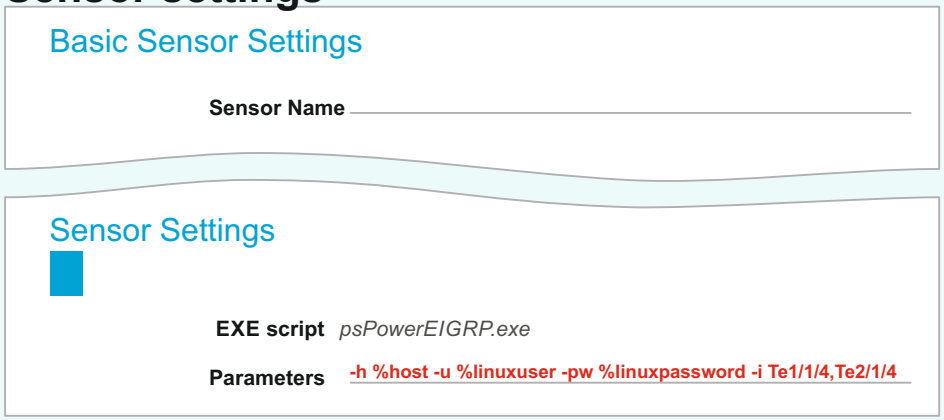
1. Copy file **transeiverstatusssh.exe** to **\PRTG Network Monitor\Custom Sensors\EXEXML** folder
2. Copy file **SFPdata.ovl** to **\PRTG Network Monitor\lookups\custom** folder
3. Go to **PRTG->Setup->System Administration->Administrative Tools for the Core Server** and click **Load Lookups**
4. In devices settings add credentials for Linux/Solaris/Mac OS (Your user for SSH)
5. Add **EXE/Script Advanced sensor**, in dropdown list, select **transeiverstatusssh.exe**
6. Parameners must be: **-h %host -u %linuxuser -pw %linuxpassword -i Interface names separated by comas**

Example: -h %host -u %linuxuser -pw %linuxpassword -i Te1/1/4,Te2/1/4

Device settings



Sensor settings



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