

The screenshot shows the HP 1810-24G switch web interface. The top navigation bar includes the HP logo, a status bar, and a search bar. The left sidebar contains a menu with options: Home, Setup Network, Status, Network Setup (selected), Get Connected, SNTP, Time Zone, Daylight Saving Time, Switching, Security, Trunks, VLANs, LLDP, Diagnostics, and Maintenance. The main content area is titled "Network Setup > SNTP" and displays the "SNTP Configuration" form. The form includes fields for "Enable SNTP" (checked), "SNTP/NTP Server" (131.155.3.3), "Server Port" (123), "Time Format" (24 Hour), "Last Update" (Jan 27 21:45:26 2016), "Attempts" (266625), "Last Update Status" (Success), and "Failures" (1947). An "Apply" button is at the bottom right.

SNTP Configuration	
Enable SNTP	☒
SNTP/NTP Server	131.155.3.3 (x.x.x.x)
Server Port	123 (1 - 65535 Default : 123)
Time Format	24 Hour
Last Update	Jan 27 21:45:26 2016
Attempts	266625
Last Update Status	Success
Failures	1947

en de timezone (GMT+01:00)Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna.

Blijkbaar doet de switch geen automatische zomer/wintertijd switch en moet je die zelf instellen. Voor Nederland geldt:

The screenshot shows the HP 1810-24G switch web interface. The top navigation bar includes the HP logo, a status bar, and a search bar. The left sidebar contains a menu with options: Home, Setup Network, Status, Network Setup (selected), Get Connected, SNTP, Time Zone, Daylight Saving Time (selected), Switching, Security, Trunks, VLANs, LLDP, Diagnostics, and Maintenance. The main content area is titled "Network Setup > Daylight Saving Time" and displays the "Daylight Saving Time Configuration" form. The form includes fields for "Daylight Saving Time" (Recurring), "Start Time settings" (Week: 5, Day: Sun, Month: Mar, Hours: 2, Minutes: 0), "End Time settings" (Week: 5, Day: Sun, Month: Oct, Hours: 3, Minutes: 0), and "Offset settings" (Offset: 60 minutes). An "Apply" button is at the bottom right.

Daylight Saving Time Configuration	
Daylight Saving Time	Recurring
Start Time settings	
Week	5
Day	Sun
Month	Mar
Hours	2
Minutes	0
End Time settings	
Week	5
Day	Sun
Month	Oct
Hours	3
Minutes	0
Offset settings	
Offset	60 (1 - 1440) minutes

Nagios

Monitor de bandwidth met MRTG.

Maak een MRTG configuratie file aan door:

```
mkdir /var/www/mrtg/switch-H  
cfgmaker --global 'WorkDir: /var/www/mrtg/switch-H' --global 'Options[_]:  
bits,growright' --output /etc/mrtg/switch-H.cfg public@192.168.1.252
```

Maak de webpagina met alle gedefinieerde graphs aan met indexmaker, weer in de betreffende directory:

```
indexmaker --output=/var/www/mrtg/switch-H/index.html /etc/mrtg/switch-H.cfg
```

run een aantal keer om de eerste foutmeldingen kwijt te raken:

```
for (( i=1 ; i <= 3 ; i++ )); do env LANG=C mrtg /etc/mrtg/switch-H.cfg; done
```

zorg dat elke 5 minuten data wordt opgehaald, maak hiervoor een cron job aan:

```
vi /etc/cron.d/mrtg
```

en zet hier in:

```
* /5 * * * * root LANG=C LC_ALL=C /usr/bin/mrtg /etc/mrtg/switch-H.cfg --  
lock-file /var/lock/mrtg/switch-H_l --confcache-file /var/lib/mrtg/mrtg.ok
```

maak een nagios conf file aan:

```
vi /etc/nagios/objects/network/HP-switch.cfg
```

en zet daar in:

```
# Define the switch that we'll be monitoring  
  
define host{  
    use                generic-switch        ; Inherit default values  
from a template  
    host_name          HP_1810-24G          ; The name we're giving to    alias              Switch beneden        ; A longer name associated    address            192.168.1.252         ; IP address of the switch  
}  
  
# Create a service to PING to switch  
  
define service{  
    use                generic-service        ; Inherit values from a    host_name          HP_1810-24G          ; The name of the host the
```

```
        service_description    PING                ; The service description
        check_command          check_ping!200.0,20%!600.0,60% ; The
command used to monitor the service
        normal_check_interval  5                    ; Check the service every 5
minutes under normal conditions
        retry_check_interval   1                    ; Re-check the service every
minute until its final/hard state is determined
    }

# Monitor uptime via SNMP

define service{
    use                generic-service ; Inherit values from a
template
    host_name          HP_1810-24G
    service_description Uptime
    check_command       check_snmp!-C public -o sysUpTime.0
}

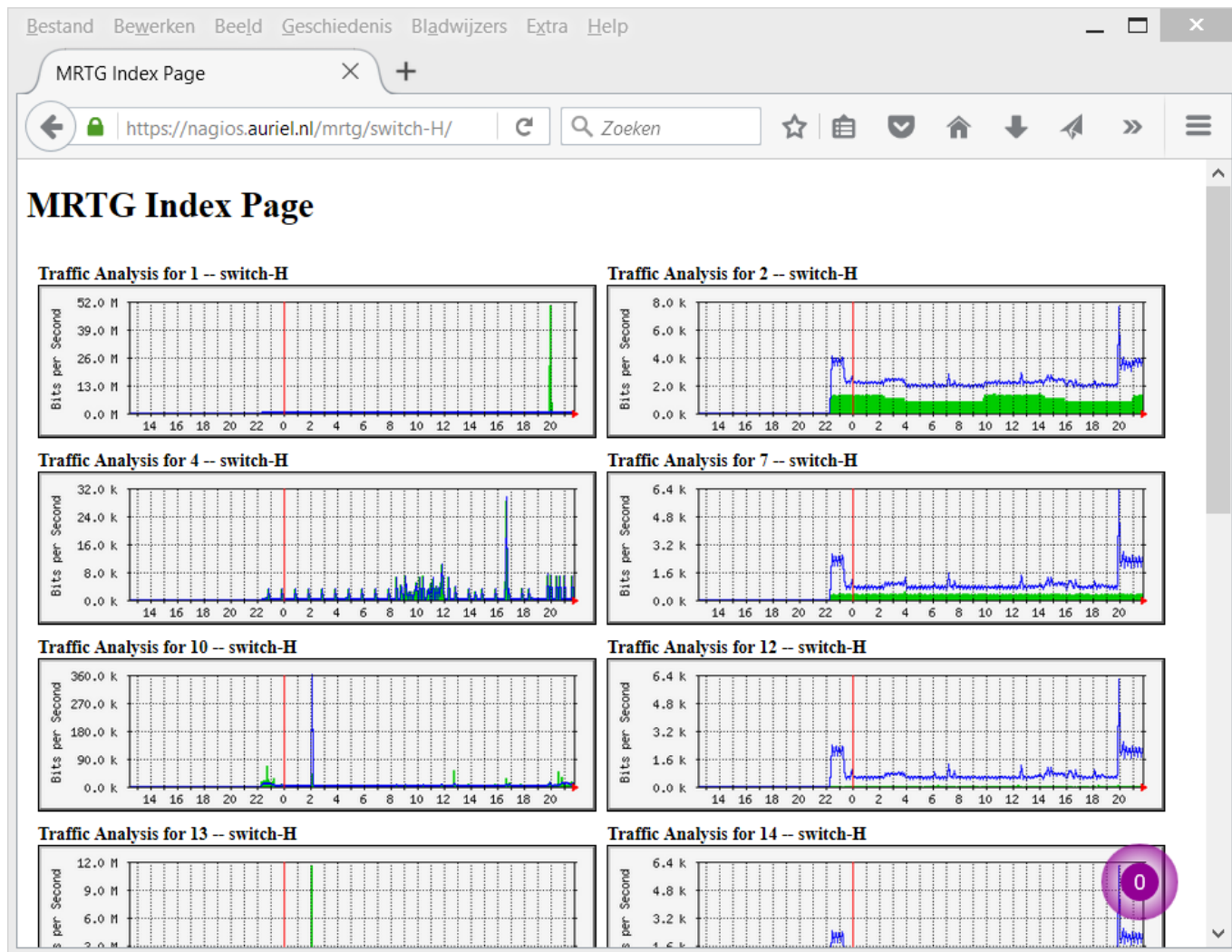
# Monitor Port 1 status via SNMP

define service{
    use                generic-service ; Inherit values from a
template
    host_name          HP_1810-24G
    service_description Port 1 Link Status
    check_command       check_snmp!-C public -o ifOperStatus.1 -r 1
-m RFC1213-MIB
}

# Monitor bandwidth via MRTG logs

define service{
    use                generic-service ; Inherit values from a
template
    host_name          HP_1810-24G
    service_description Port 1 Bandwidth Usage
    check_command       check_local_mrtgtraf!/var/www/mrtg/switch-
H/192.168.1.252_1.log!AVG!1000000,1000000!5000000,5000000!10
}
```

Na een tijdje kan je kijken op de betreffende web pagina <http://example.com/mrtg/switch-h>



From:
<https://wiki.auriel.nl/> -

Permanent link:
https://wiki.auriel.nl/doku.php?id=werkinstructies:snmp:hp1810-24g_switch_monitoren_met_snmp&rev=1458075127

Last update: 2016/03/15 21:52