

# FAQ Nx70 - DECT LAN Sync (DLS) statistics

## Introduction

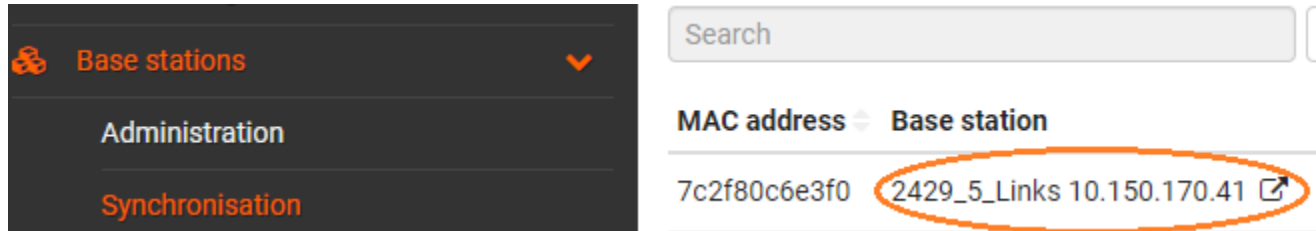
From software 2.36 we offer the possibility to see detailed information (over time) about the LAN synchronisation.

These statistics are offered by the DECT base-station.

LAN synchronisation must be enabled for this base to see the correct information.

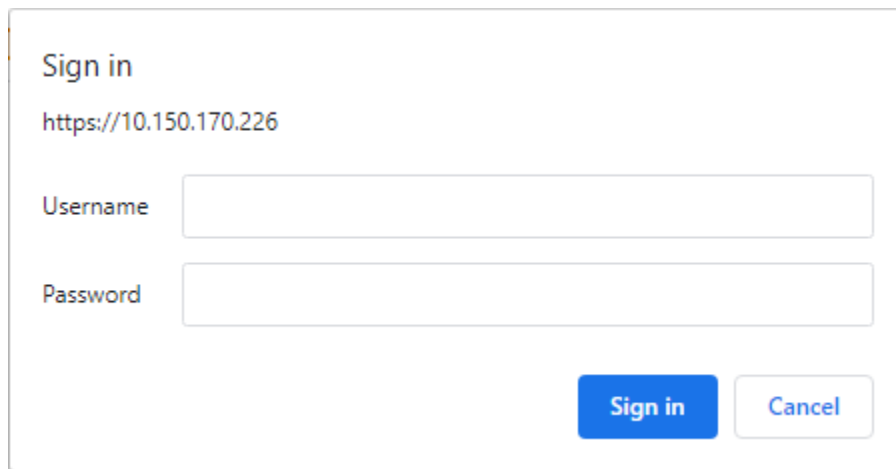
## How to access the DLS statistics

In the N870 web-interface go to: **SETTINGS - Base stations - Synchronisation** and click on the Base station name



It will open the base station web-interface, login using

- **Username:** admin
- **Password:** N870 admin password

The screenshot shows a 'Sign in' form. At the top, it says 'Sign in' and 'https://10.150.170.226'. Below this are two input fields: 'Username' and 'Password'. At the bottom right, there are two buttons: 'Sign in' (blue) and 'Cancel' (white with blue border).

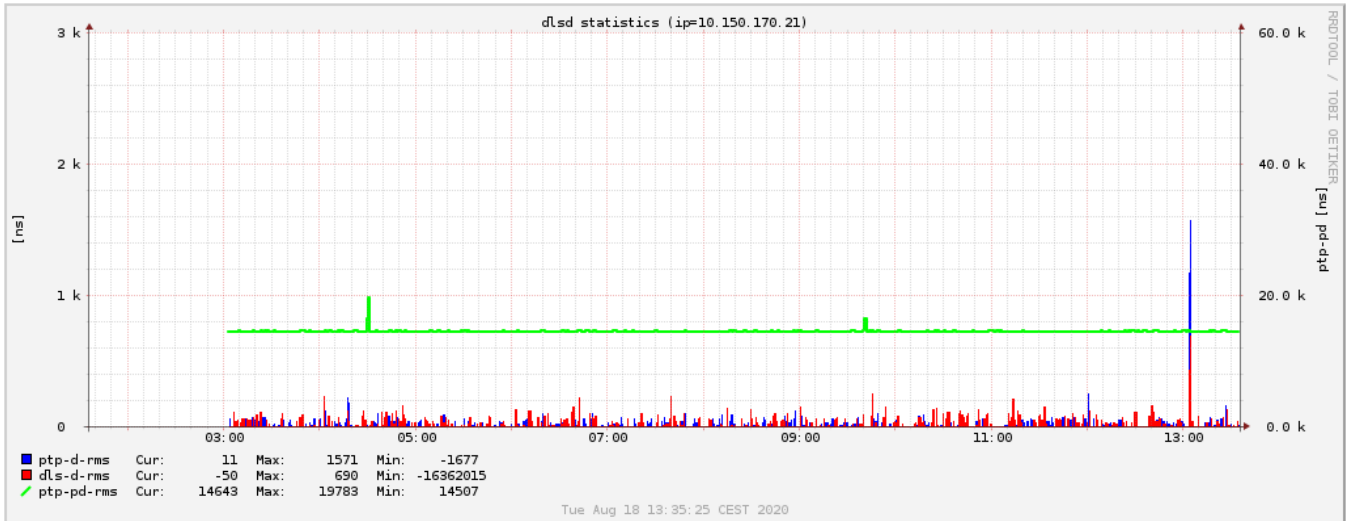
You will see the following information.

- [DECT LAN Sync \(DLS\) long term statistics](#)
- [DECT LAN Sync \(DLS\) statistics overview table](#)
- [DECT LAN Sync \(DLS\) log](#)
- Additional system info's
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## DECT LAN Sync (DLS) long term statistics

This table shows you the:

- ptp-d: ptp clock delay. ptp clock offset to master clock. This value should not exceed 500ns for a longer time
- dls-d: Measured offset of the local DECT-SYPO signal to the master DECT-SYPO signal. This is the DECT-SYNC criteria and should not exceed 1000ns for a longer time
- ptp-pd: ptp path delay. This is an indication of the transmission path quality. The account of switches and their processing speed and queue delay's influence this value. Jitter should be as less as possible.



## DECT LAN Sync (DLS) statistics overview table

The latest LAN sync output for more detailed information see [this wiki page](#).

```

dls-stats : =====
TS ----- : 1597756206.803923976
HOST ----- : -----, -----, -----
Id          : base-7c2f80c73260
ip4         : 10.150.170.21
ip6         : fd0e:c149:5cb3::1
mac         : 7c:2f:80:c7:32:60
SYS ----- : dls-mode -, syn-mode -, lan-m ----, ptp-m ----, -- state ----
              : client, LAN, OFF, OFF, SYNC (80)
DBC ----- : dm-id ----, cluster --, cl-mask --, level ----, -- Info ----
              : 0x102e7f61, 1, 0x000000ff, 3, 0xb081e000
PTP ----- : gm-id -----, domain ---, -----
              : 7c2f80.ffffe.c73264, 21
DLS ----- : m-id -----, -----, DS - : pari -----, rpn --
              : 7c2f80.ffffe.c73264, 0x102e7f61, 0x0f
QUALITY - : -----, -----, -----
qa cnts   : async ----, tias ----, o-thr-exc , d-thr-exc , q-idx-st ----
              : 0, 0, 301, 2, 100.00
qa stats  : ptp-pd ---, ptp-d ----, dls-d ----, tias-max -, q-idx-lt ----
              : 312, 298, 116, 165, 99.41
stddev    : -----, -----, -----, -----, -----
TIMING -- : -----, -----, -----, -----, -----
CURRENT - : ptp-pd ---, ptp-d ----, dls-d ----, osc-idx --, -----
[ns]      : 14669, 6, 72, 142
STATS --- : rms -----, min -----, max -----, mean ----- +/- stddev ---
p(av)[ns] : 160001544, 160001524, 160001550, 160001544 +/- 4
frq[MHz]  : 13.823867, 13.823866, 13.823868, 13.823867 +/- 0.000000
osc-idx   : 143, 142, 143, 143 +/- 0
ptp-pd[ns] : 14665, 14546, 14781, 14665 +/- 48
ptp-d[ns]  : 52, -119, 137, -3 +/- 52
dls-d[ns]  : 71, -132, 189, 4 +/- 71
eof dls-stats =====
    
```

DECT LAN Sync (DLS) log

LAN sync log messages.

```

Aug 18 06:06:39.897 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      22355 | obsrv-mean
[ns]:      14663 | delta[ns]:      7692 | delta-rel[%]:      52
Aug 18 06:13:21.504 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      25887 | obsrv-mean
[ns]:      14629 | delta[ns]:      11258 | delta-rel[%]:      76
Aug 18 06:13:22.299 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      9534
Aug 18 06:37:51.109 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      33875 | obsrv-mean
[ns]:      14653 | delta[ns]:      19222 | delta-rel[%]:      131
Aug 18 06:41:43.910 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      19208 | obsrv-mean
[ns]:      14712 | delta[ns]:      4496 | delta-rel[%]:      30
Aug 18 07:09:28.720 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      9066
Aug 18 08:27:32.747 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      9611
Aug 18 08:41:11.151 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21479 | obsrv-mean
[ns]:      14668 | delta[ns]:      6811 | delta-rel[%]:      46
Aug 18 08:53:54.355 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      28681 | obsrv-mean
[ns]:      14654 | delta[ns]:      14027 | delta-rel[%]:      95
Aug 18 09:07:19.959 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21768 | obsrv-mean
[ns]:      14609 | delta[ns]:      7159 | delta-rel[%]:      49
Aug 18 09:12:16.761 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      23314 | obsrv-mean
[ns]:      14682 | delta[ns]:      8632 | delta-rel[%]:      58
Aug 18 09:19:56.764 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      20625 | obsrv-mean
[ns]:      14677 | delta[ns]:      5948 | delta-rel[%]:      40
Aug 18 09:42:45.572 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      10983
Aug 18 10:21:23.186 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      25647 | obsrv-mean
[ns]:      14685 | delta[ns]:      10962 | delta-rel[%]:      74
Aug 18 10:31:33.590 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      22286 | obsrv-mean
[ns]:      14697 | delta[ns]:      7589 | delta-rel[%]:      51
Aug 18 10:31:34.389 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      22978 | obsrv-mean
[ns]:      14710 | delta[ns]:      8268 | delta-rel[%]:      56
Aug 18 10:36:08.791 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      12709
Aug 18 10:40:07.993 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      20455 | obsrv-mean
[ns]:      14651 | delta[ns]:      5804 | delta-rel[%]:      39
Aug 18 10:40:36.793 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      25808 | obsrv-mean
[ns]:      14639 | delta[ns]:      11169 | delta-rel[%]:      76
Aug 18 10:40:37.592 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      25808 | obsrv-mean
[ns]:      14658 | delta[ns]:      11150 | delta-rel[%]:      76
Aug 18 10:46:27.195 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      9385
Aug 18 10:48:08.796 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      22896 | obsrv-mean
[ns]:      14659 | delta[ns]:      8237 | delta-rel[%]:      56
Aug 18 11:04:50.402 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      22032 | obsrv-mean
[ns]:      14680 | delta[ns]:      7352 | delta-rel[%]:      50
Aug 18 11:07:23.203 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      24862 | obsrv-mean
[ns]:      14649 | delta[ns]:      10213 | delta-rel[%]:      69
Aug 18 11:10:40.808 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21071 | obsrv-mean
[ns]:      14676 | delta[ns]:      6395 | delta-rel[%]:      43
Aug 18 11:16:15.206 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21107 | obsrv-mean
[ns]:      14687 | delta[ns]:      6420 | delta-rel[%]:      43
Aug 18 11:30:12.011 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      25950 | obsrv-mean
[ns]:      14695 | delta[ns]:      11255 | delta-rel[%]:      76
Aug 18 11:33:17.612 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      9880
Aug 18 11:33:53.612 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      19179 | obsrv-mean
[ns]:      14667 | delta[ns]:      4512 | delta-rel[%]:      30
Aug 18 11:34:27.212 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      23773 | obsrv-mean
[ns]:      14722 | delta[ns]:      9051 | delta-rel[%]:      61
Aug 18 11:40:52.015 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      39693 | obsrv-mean
[ns]:      14705 | delta[ns]:      24988 | delta-rel[%]:      169
Aug 18 12:10:52.825 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      19384 | obsrv-mean
[ns]:      14668 | delta[ns]:      4716 | delta-rel[%]:      32
Aug 18 12:11:28.025 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21920 | obsrv-mean
[ns]:      14693 | delta[ns]:      7227 | delta-rel[%]:      49
Aug 18 12:16:36.028 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      26588 | obsrv-mean
[ns]:      14645 | delta[ns]:      11943 | delta-rel[%]:      81
Aug 18 13:02:13.642 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      37474 | obsrv-mean
[ns]:      14694 | delta[ns]:      22780 | delta-rel[%]:      155
Aug 18 13:04:04.843 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      20349 | obsrv-mean
[ns]:      14653 | delta[ns]:      5696 | delta-rel[%]:      38

```

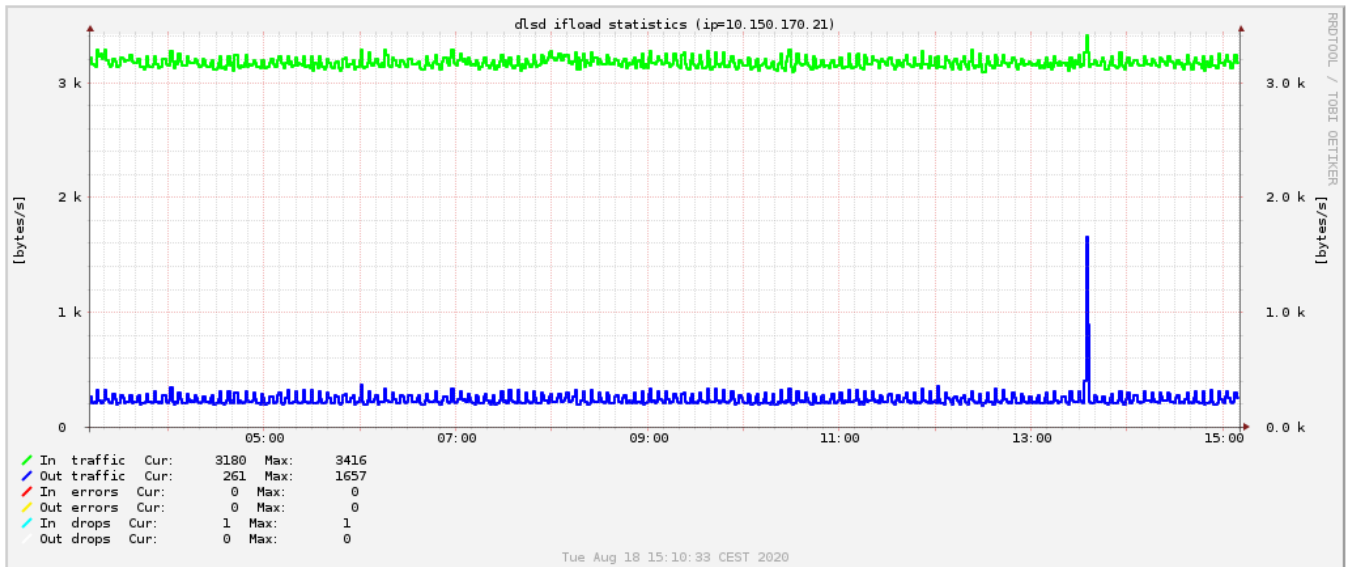
```

Aug 18 13:08:55.245 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      23086 | obsrv-mean
[ns]:      14632 | delta[ns]:      8454 | delta-rel[%]:      57
Aug 18 13:16:19.247 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      14193
Aug 18 13:16:20.046 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      30554 | obsrv-mean
[ns]:      14668 | delta[ns]:      15886 | delta-rel[%]:      108
Aug 18 13:41:58.456 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      27882 | obsrv-mean
[ns]:      14717 | delta[ns]:      13165 | delta-rel[%]:      89
Aug 18 13:41:59.255 dlsd[3736]: >>> ptp-d overshoot/peak detected: obsrv-act[ns]:      11366
Aug 18 14:02:40.863 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      21270 | obsrv-mean
[ns]:      14680 | delta[ns]:      6590 | delta-rel[%]:      44
Aug 18 14:43:32.079 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      34205 | obsrv-mean
[ns]:      14681 | delta[ns]:      19524 | delta-rel[%]:      132
Aug 18 14:52:52.880 dlsd[3736]: >>> ptp-pd overshoot/peak detected: obsrv-act[ns]:      26703 | obsrv-mean
[ns]:      14671 | delta[ns]:      12032 | delta-rel[%]:      82

```

### IfLoad-Statistics

The network load statistics



## If stats

### The network statistics

```
eth0      Link encap:Ethernet  HWaddr 7C:2F:80:C7:32:60
          inet addr:10.150.170.21  Bcast:10.150.170.255  Mask:255.255.255.0
          inet6 addr: fe80::7e2f:80ff:fec7:3260%71/64 Scope:Link
          inet6 addr: fd0e:c149:5cb3::1%71/64 Scope:Global
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1317938 errors:0 dropped:38231 overruns:0 frame:0
          TX packets:115093 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:139068950 (132.6 MiB)  TX bytes:10949298 (10.4 MiB)
          Interrupt:25 Base address:0x8000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1%71/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:733 errors:0 dropped:0 overruns:0 frame:0
          TX packets:733 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:21257 (20.7 KiB)  TX bytes:21257 (20.7 KiB)
```

## TOP processor load

Displays processor activity of your device and also displays tasks managed by kernel in real-time. It'll show processor and memory are being used and other information like running processes.

```
Mem: 80860K used, 163016K free, 4576K shrd, 0K buff, 32924K cached
CPU:   9% usr  52% sys  38% nic  0% idle  0% io  0% irq  0% sirq
Load average: 1.95 1.73 1.67 2/109 13748
  PID  PPID  USER      STAT  VSZ %VSZ %CPU COMMAND
13647 13553 root       R N   13108  5%  33% rrdtool graph /tmp/dlsd-stats/dlsd-graph-dlsd-10.150.170.2
13742 13741 root       R N   3076  1%  10% top -b -n 1
 3127  3042 root       S     33076 14%   0% /usr/bin/mcmad -c /tmp/mcmad.generated.conf -p /var/run/mc
 2128   1 root       S    26260 11%   0% /usr/sbin/syslog-ng -f /tmp/syslog-ng.generated.conf -F
 2630   1 root       S    13328  5%   0% app_dsp
 3736   1 root       S    12476  5%   0% /usr/bin/dlsd -i eth0 -r 161 -a --dscp_event=56 --dscp_gen
 4170   1 root       S N   6552  3%   0% lighttpd -f /etc/dlsd-stats/lighttpd.conf
 4121   1 root       S     3436  1%   0% /usr/sbin/ntpd -n -S /usr/sbin/ntpd-hotplug -p 10.150.170.
 2332   1 root       S     3352  1%   0% /sbin/netifd
 3109   1 root       S     3312  1%   0% /usr/sbin/crond -f -c /etc/crontabs -l 9
13554 13548 root       S N   3312  1%   0% sh /usr/bin/dlsd-stats-create-simple-html.sh -g
13741 13554 root       S N   3312  1%   0% sh /usr/bin/dlsd-stats-create-simple-html.sh -g
 2532   1 root       S     3144  1%   0% {css.sh} /bin/sh /usr/bin/css.sh observe
 3042   1 root       S     3144  1%   0% {mcmad.sh} /bin/sh /usr/bin/mcmad.sh start -c /tmp/mcmad.g
 2470   1 root       S     3076  1%   0% {css_observer.sh} /bin/sh /usr/bin/css_observer.sh 10
 3838   1 root       S     3076  1%   0% {dlsd-stats-upda} /bin/sh /usr/bin/dlsd-stats-update-loop.
13553 13548 root       S N   3076  1%   0% sh /usr/bin/dlsd-stats-create-graphs.sh -d -n
13548 4170 root       S N   3076  1%   0% /bin/sh /www/cgi-bin/dlsd_stats.cgi
 2185  2128 root       S     3076  1%   0% /bin/sh -c inclogd
 2188  2185 root       S     3076  1%   0% {inclogd} /bin/sh /usr/sbin/inclogd
13743 13741 root       S N   3076  1%   0% sed s/-P *****
13744 13741 root       S N   3076  1%   0% cut -c 1 100
13747 3736 root       S     3076  1%   0% sh -c pmc -u -b 0 -d 21 'GET PORT_DATA_SET' 2>&1
13710 2532 root       S     3012  1%   0% sleep 2
13740 3042 root       S     3012  1%   0% sleep 8
13531 3838 root       S     2944  1%   0% sleep 60
13713 2470 root       S     2944  1%   0% sleep 10
  2211   1 root       S     2900  1%   0% /usr/bin/system-ui -m 0 -c /var/run/system-ui.cfg -l 6 -d
  5243   1 root       S     2828  1%   0% /usr/bin/ptp4l -f /var/run/ptp4l-e2.conf -E -H -p /dev/ptp
```

2166	1	root	S	2740	1%	0%	/sbin/rpcd
1	0	root	S	2592	1%	0%	/sbin/procd
3231	1	root	S	2432	1%	0%	/usr/sbin/dropbear -F -P *****
145	1	root	S	2256	1%	0%	/sbin/ubusd
2508	1	root	S	2244	1%	0%	/usr/bin/scpcd -c /tmp/scpcd.generated.conf
13748	13747	root	S	2052	1%	0%	[pmc]
3739	2	root	SW	0	0%	0%	[gc-control]
7	2	root	SW	0	0%	0%	[rcu_preempt]
3	2	root	SW	0	0%	0%	[ksoftirqd/0]
19	2	root	SW	0	0%	0%	[kworker/0:1]
3233	2	root	SW	0	0%	0%	[gc-dect]
2632	2	root	SW	0	0%	0%	[dua]
92	2	root	SW	0	0%	0%	[ubifs_bgt0_3]
5407	2	root	SW	0	0%	0%	[kworker/u2:1]
11	2	root	SW	0	0%	0%	[kdevtmpfs]
85	2	root	SW	0	0%	0%	[ubi_bgt0d]
2	0	root	SW	0	0%	0%	[kthreadd]
5	2	root	SW<	0	0%	0%	[kworker/0:0H]
8	2	root	SW	0	0%	0%	[rcu_sched]
9	2	root	SW	0	0%	0%	[rcu_bh]
10	2	root	SW<	0	0%	0%	[lru-add-drain]
12	2	root	SW	0	0%	0%	[oom_reaper]
13	2	root	SW<	0	0%	0%	[writeback]
14	2	root	SW	0	0%	0%	[kcompactd0]
15	2	root	SW<	0	0%	0%	[crypto]
16	2	root	SW<	0	0%	0%	[bioaset]
17	2	root	SW<	0	0%	0%	[kblockd]
18	2	root	SW<	0	0%	0%	[watchdogd]
20	2	root	SW	0	0%	0%	[kswapd0]
43	2	root	SW<	0	0%	0%	[bioaset]
44	2	root	SW<	0	0%	0%	[bioaset]
45	2	root	SW<	0	0%	0%	[bioaset]
46	2	root	SW<	0	0%	0%	[bioaset]
47	2	root	SW<	0	0%	0%	[bioaset]
48	2	root	SW<	0	0%	0%	[bioaset]
49	2	root	SW<	0	0%	0%	[bioaset]
50	2	root	SW<	0	0%	0%	[bioaset]
51	2	root	SW<	0	0%	0%	[bioaset]
52	2	root	SW<	0	0%	0%	[bioaset]
53	2	root	SW<	0	0%	0%	[bioaset]
54	2	root	SW<	0	0%	0%	[bioaset]
55	2	root	SW<	0	0%	0%	[bioaset]
56	2	root	SW<	0	0%	0%	[bioaset]
57	2	root	SW<	0	0%	0%	[bioaset]
58	2	root	SW<	0	0%	0%	[bioaset]
59	2	root	SW<	0	0%	0%	[bioaset]
60	2	root	SW<	0	0%	0%	[bioaset]
61	2	root	SW<	0	0%	0%	[bioaset]
62	2	root	SW<	0	0%	0%	[bioaset]
63	2	root	SW<	0	0%	0%	[bioaset]
64	2	root	SW<	0	0%	0%	[bioaset]
65	2	root	SW<	0	0%	0%	[bioaset]
66	2	root	SW<	0	0%	0%	[bioaset]
67	2	root	SW	0	0%	0%	[irq/18-dvf9a]
68	2	root	SW<	0	0%	0%	[bioaset]
69	2	root	SW<	0	0%	0%	[bioaset]
70	2	root	SW<	0	0%	0%	[bioaset]
71	2	root	SW<	0	0%	0%	[bioaset]
74	2	root	SW<	0	0%	0%	[maxwell_power_q]
84	2	root	SW<	0	0%	0%	[ipv6_addrconf]
97	2	root	SW	0	0%	0%	[ubifs_bgt0_2]
2609	2	root	SW	0	0%	0%	[kworker/0:2]
2623	2	root	SW	0	0%	0%	[coma]
2625	2	root	DW	0	0%	0%	[kvoice]
2626	2	root	SW	0	0%	0%	[voice]
2627	2	root	SW	0	0%	0%	[dvf9a]
2628	2	root	SW	0	0%	0%	[sharedmem]
3228	2	root	SW	0	0%	0%	[rtsp-event]
6713	2	root	SW	0	0%	0%	[kworker/u2:2]

## Top(memory)

```
Mem total:243876 anon:8936 map:8432 free:162776
slab:7812 buf:0 cache:32928 dirty:0 write:0
Swap total:0 free:0
PID  VSZ^VSZRW  RSS (SHR) DIRTY (SHR) STACK COMMAND
3127 33080 26012 2952 1804 672 0 132 /usr/bin/mcmad -c /tmp/mcmad.generated.conf -p /var/
2128 26264 17904 3920 1972 1160 0 132 /usr/sbin/syslog-ng -f /tmp/syslog-ng.generated.conf
13647 13452 3300 6916 1588 2956 0 132 rrdtool graph /tmp/dlsd-stats/dlsd-graph-dlsd-10.150
3736 12480 8796 1452 1176 148 0 132 /usr/bin/dlsd -i eth0 -r 161 -a --dscp_event=56 --ds
2630 12308 9328 1248 956 168 0 132 app_dsp
4170 6556 1324 3136 1532 836 0 132 lighttpd -f /etc/dlsd-stats/lighttpd.conf
4121 3440 360 1344 1200 96 0 132 /usr/sbin/ntpd -n -S /usr/sbin/ntpd-hotplug -p 10.15
2332 3356 360 1536 1160 208 0 132 /sbin/netifd
13751 3316 332 708 660 240 192 132 sh /usr/bin/dlsd-stats-create-simple-html.sh -g
13554 3316 332 1528 1484 236 192 132 sh /usr/bin/dlsd-stats-create-simple-html.sh -g
3109 3316 332 1212 1124 88 0 132 /usr/sbin/crond -f -c /etc/crontabs -l 9
2532 3148 320 1252 1096 156 0 132 {css.sh} /bin/sh /usr/bin/css.sh observe
3042 3148 320 1164 1060 104 0 132 {mcmad.sh} /bin/sh /usr/bin/mcmad.sh start -c /tmp/m
13553 3080 316 1348 1212 136 0 132 sh /usr/bin/dlsd-stats-create-graphs.sh -d -n
3838 3080 316 1244 1124 120 0 132 {dlsd-stats-upda} /bin/sh /usr/bin/dlsd-stats-update
2470 3080 316 1192 1096 96 0 132 {css_observer.sh} /bin/sh /usr/bin/css_observer.sh 1
13548 3080 316 1236 1164 72 0 132 /bin/sh /www/cgi-bin/dlsd_stats.cgi
13752 3080 316 1188 1124 64 0 132 top -b -n 1 -m
2188 3080 316 1028 972 56 0 132 {inclogd} /bin/sh /usr/sbin/inclogd
13753 3080 316 1052 996 56 0 132 sed s/-P *****
13754 3080 316 1132 1076 56 0 132 cut -c 1 100
2185 3080 316 928 876 52 0 132 /bin/sh -c inclogd
13740 3016 188 952 896 56 0 132 sleep 8
13531 2948 184 940 896 44 0 132 sleep 60
13713 2948 184 940 896 44 0 132 sleep 10
2211 2904 328 1196 1008 156 0 132 /usr/bin/system-ui -m 0 -c /var/run/system-ui.cfg -l
5243 2832 328 1340 1116 100 0 132 /usr/bin/ptp4l -f /var/run/ptp4l-e2.conf -E -H -p /d
2166 2744 608 1256 1028 184 0 132 /sbin/rpcd
1 2596 480 1216 912 236 0 132 /sbin/procd
3231 2436 472 1164 968 76 0 132 /usr/sbin/dropbear -F -P *****
145 2260 328 920 800 96 0 132 /sbin/ubusd
2508 2248 408 1252 1016 164 0 132 /usr/bin/scpcd -c /tmp/scpcd.generated.conf
```

## Open files

Shows a list with all open files.

```
Total number of open files:
247
1 /sbin/procd socket:[720]
1 /sbin/procd /null
1 /sbin/procd /null
1 /sbin/procd /watchdog
1 /sbin/procd anon_inode:[eventpoll]
1 /sbin/procd pipe:[540]
1 /sbin/procd pipe:[540]
1 /sbin/procd socket:[541]
1 /sbin/procd pipe:[4197]
1 /sbin/procd pipe:[6186]
1 /sbin/procd pipe:[4198]
1 /sbin/procd pipe:[4753]
1 /sbin/procd socket:[6397]
1 /sbin/procd pipe:[4754]
1 /sbin/procd pipe:[6187]
145 /usr/sbin/ubusd /dev/null
```

```
145 /usr/sbin/ubusd /dev/null
145 /usr/sbin/ubusd /dev/null
145 /usr/sbin/ubusd /dev/urandom
145 /usr/sbin/ubusd anon_inode:[eventpoll]
145 /usr/sbin/ubusd pipe:[702]
145 /usr/sbin/ubusd pipe:[702]
145 /usr/sbin/ubusd socket:[703]
145 /usr/sbin/ubusd socket:[721]
145 /usr/sbin/ubusd socket:[4119]
145 /usr/sbin/ubusd socket:[4206]
145 /usr/sbin/ubusd socket:[4401]
145 /usr/sbin/ubusd socket:[4709]
145 /usr/sbin/ubusd socket:[6413]
2128 /usr/sbin/syslog-ng /dev/null
2128 /usr/sbin/syslog-ng /dev/null
2128 /usr/sbin/syslog-ng /dev/null
2128 /usr/sbin/syslog-ng anon_inode:[eventpoll]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng anon_inode:[eventfd]
2128 /usr/sbin/syslog-ng /var/lib/syslog-ng/syslog-ng.persist
2128 /usr/sbin/syslog-ng socket:[4151]
2128 /usr/sbin/syslog-ng /proc/kmsg
2128 /usr/sbin/syslog-ng socket:[4163]
2128 /usr/sbin/syslog-ng pipe:[4155]
2128 /usr/sbin/syslog-ng socket:[8527]
2128 /usr/sbin/syslog-ng anon_inode:[timerfd]
2128 /usr/sbin/syslog-ng socket:[4212]
2128 /usr/sbin/syslog-ng socket:[4395]
2128 /usr/sbin/syslog-ng socket:[6398]
2128 /usr/sbin/syslog-ng socket:[4704]
2128 /usr/sbin/syslog-ng socket:[6405]
2128 /usr/sbin/syslog-ng socket:[6458]
2128 /usr/sbin/syslog-ng socket:[7159]
2128 /usr/sbin/syslog-ng socket:[10087]
2128 /usr/sbin/syslog-ng socket:[7868]
2128 /usr/sbin/syslog-ng socket:[8525]
2166 /sbin/rpcd /dev/null
2166 /sbin/rpcd /dev/null
2166 /sbin/rpcd /dev/null
2166 /sbin/rpcd anon_inode:[eventpoll]
2166 /sbin/rpcd pipe:[4117]
2166 /sbin/rpcd pipe:[4117]
2166 /sbin/rpcd socket:[4118]
2185 /bin/busybox.nosuid pipe:[4155]
2185 /bin/busybox.nosuid /dev/null
2185 /bin/busybox.nosuid /dev/null
2188 /bin/busybox.nosuid pipe:[4155]
2188 /bin/busybox.nosuid /dev/null
2188 /bin/busybox.nosuid /dev/null
2188 /bin/busybox.nosuid /usr/sbin/inclogd
2211 /usr/bin/system-ui /dev/null
2211 /usr/bin/system-ui pipe:[4197]
2211 /usr/bin/system-ui pipe:[4198]
2211 /usr/bin/system-ui socket:[4202]
2211 /usr/bin/system-ui socket:[4203]
2211 /usr/bin/system-ui anon_inode:[eventpoll]
2211 /usr/bin/system-ui pipe:[4204]
2211 /usr/bin/system-ui pipe:[4204]
2211 /usr/bin/system-ui socket:[4205]
2211 /usr/bin/system-ui /dev/input/event0
2211 /usr/bin/system-ui socket:[4211]
2332 /sbin/netifd /dev/null
2332 /sbin/netifd /dev/null
2332 /sbin/netifd /dev/null
2332 /sbin/netifd socket:[4394]
2332 /sbin/netifd anon_inode:[eventpoll]
2332 /sbin/netifd pipe:[4399]
```



```

2332 /sbin/netifd pipe:[4399]
2332 /sbin/netifd socket:[4400]
2332 /sbin/netifd socket:[4508]
2332 /sbin/netifd /lib/netifd/proto
2332 /sbin/netifd socket:[4509]
2332 /sbin/netifd socket:[4510]
2332 /sbin/netifd socket:[4511]
2470 /bin/busybox.nosuid /dev/null
2470 /bin/busybox.nosuid /dev/null
2470 /bin/busybox.nosuid /dev/null
2470 /bin/busybox.nosuid /usr/bin/css_observer.sh
2508 /usr/bin/scpcd /dev/null
2508 /usr/bin/scpcd /dev/null
2508 /usr/bin/scpcd /dev/null
2508 /usr/bin/scpcd socket:[4703]
2508 /usr/bin/scpcd anon_inode:[eventpoll]
2508 /usr/bin/scpcd pipe:[4707]
2508 /usr/bin/scpcd pipe:[4707]
2508 /usr/bin/scpcd anon_inode:[eventfd]
2508 /usr/bin/scpcd socket:[4708]
2508 /usr/bin/scpcd socket:[4765]
2532 /bin/busybox.nosuid /dev/null
2532 /bin/busybox.nosuid pipe:[4753]
2532 /bin/busybox.nosuid pipe:[4754]
2532 /bin/busybox.nosuid /usr/bin/css.sh
2630 /usr/bin/app_dsp /dev/null
2630 /usr/bin/app_dsp pipe:[4753]
2630 /usr/bin/app_dsp pipe:[4754]
2630 /usr/bin/app_dsp /tmp/log/wait_4_app_dsp (deleted)
2630 /usr/bin/app_dsp /dev/sharedmem
2630 /usr/bin/app_dsp socket:[5238]
3042 /bin/busybox.nosuid /dev/null
3042 /bin/busybox.nosuid pipe:[6186]
3042 /bin/busybox.nosuid pipe:[6187]
3042 /bin/busybox.nosuid /usr/bin/mcmad.sh
3109 /bin/busybox.nosuid /dev/null
3109 /bin/busybox.nosuid /dev/null
3109 /bin/busybox.nosuid /dev/null
3127 /usr/bin/mcmad /dev/null
3127 /usr/bin/mcmad pipe:[6186]
3127 /usr/bin/mcmad pipe:[6187]
3127 /usr/bin/mcmad socket:[6404]
3127 /usr/bin/mcmad anon_inode:[eventpoll]
3127 /usr/bin/mcmad pipe:[6411]
3127 /usr/bin/mcmad pipe:[6411]
3127 /usr/bin/mcmad anon_inode:[eventfd]
3127 /usr/bin/mcmad socket:[6412]
3127 /usr/bin/mcmad anon_inode:[eventfd]
3127 /usr/bin/mcmad socket:[6415]
3127 /usr/bin/mcmad socket:[6427]
3127 /usr/bin/mcmad socket:[6438]
3127 /usr/bin/mcmad socket:[6439]
3127 /usr/bin/mcmad socket:[6440]
3127 /usr/bin/mcmad socket:[6449]
3127 /usr/bin/mcmad pipe:[6489]
3127 /usr/bin/mcmad pipe:[6489]
3127 /usr/bin/mcmad socket:[6681]
3231 /usr/sbin/dropbearmulti /dev/null
3231 /usr/sbin/dropbearmulti /dev/null
3231 /usr/sbin/dropbearmulti /dev/null
3231 /usr/sbin/dropbearmulti socket:[6457]
3231 /usr/sbin/dropbearmulti socket:[6469]
3231 /usr/sbin/dropbearmulti socket:[6470]
3736 /usr/bin/dlsd /dev/null
3736 /usr/bin/dlsd /dev/null
3736 /usr/bin/dlsd /dev/null
3736 /usr/bin/dlsd socket:[7158]
3736 /usr/bin/dlsd /tmp/log/dlsd.status
3736 /usr/bin/dlsd /tmp/log/dlsd.status.json
3736 /usr/bin/dlsd /dev/ptp0
3736 /usr/bin/dlsd socket:[7164]

```

```
3736 /usr/bin/dlstd socket:[7422]
3736 /usr/bin/dlstd socket:[7423]
3736 /usr/bin/dlstd pipe:[1505693]
3838 /bin/busybox.nosuid /dev/null
3838 /bin/busybox.nosuid /dev/null
3838 /bin/busybox.nosuid /dev/null
3838 /bin/busybox.nosuid /usr/bin/dlstd-stats-update-loop.sh
4121 /bin/busybox.nosuid /dev/null
4121 /bin/busybox.nosuid /dev/null
4121 /bin/busybox.nosuid /dev/null
4170 /usr/sbin/lighttpd /dev/null
4170 /usr/sbin/lighttpd /dev/null
4170 /usr/sbin/lighttpd /dev/null
4170 /usr/sbin/lighttpd socket:[7863]
4170 /usr/sbin/lighttpd socket:[7864]
4170 /usr/sbin/lighttpd socket:[7867]
4170 /usr/sbin/lighttpd anon_inode:[eventpoll]
4170 /usr/sbin/lighttpd socket:[1505027]
4170 /usr/sbin/lighttpd pipe:[1505030]
5243 /usr/bin/ptp4l /dev/null
5243 /usr/bin/ptp4l /dev/null
5243 /usr/bin/ptp4l /dev/null
5243 /usr/bin/ptp4l /dev/ptp0
5243 /usr/bin/ptp4l socket:[10076]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l socket:[10079]
5243 /usr/bin/ptp4l socket:[10080]
5243 /usr/bin/ptp4l socket:[10081]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l anon_inode:[timerfd]
5243 /usr/bin/ptp4l socket:[10083]
13531 /bin/busybox.nosuid /dev/null
13531 /bin/busybox.nosuid /dev/null
13531 /bin/busybox.nosuid /dev/null
13548 /bin/busybox.nosuid pipe:[1505029]
13548 /bin/busybox.nosuid pipe:[1505030]
13548 /bin/busybox.nosuid /dev/null
13548 /bin/busybox.nosuid /www/cgi-bin/dlstd_stats.cgi
13548 /bin/busybox.nosuid /tmp/run/dlstd_stats.cgi.pid
13553 /bin/busybox.nosuid /dev/null
13553 /bin/busybox.nosuid /dev/null
13553 /bin/busybox.nosuid /dev/null
13553 /bin/busybox.nosuid /usr/bin/dlstd-stats-create-graphs.sh
13553 /bin/busybox.nosuid pipe:[1505030]
13553 /bin/busybox.nosuid /dev/null
13553 /bin/busybox.nosuid /tmp/run/dlstd-stats-create-graphs.sh.pid
13554 /bin/busybox.nosuid pipe:[1505029]
13554 /bin/busybox.nosuid /tmp/dlstd-stats/index.html
13554 /bin/busybox.nosuid /dev/null
13554 /bin/busybox.nosuid pipe:[1505671]
13554 /bin/busybox.nosuid /usr/bin/dlstd-stats-create-simple-html.sh
13554 /bin/busybox.nosuid pipe:[1505030]
13554 /bin/busybox.nosuid /tmp/run/dlstd_stats.cgi.pid
13647 /usr/bin/rrdtool /dev/null
13647 /usr/bin/rrdtool /dev/null
13647 /usr/bin/rrdtool /dev/null
13647 /usr/bin/rrdtool /tmp/dlstd-stats/dlstd-graph-dlstd-10.150.170.21.png.next
```

```
13647 /usr/bin/rrdtool /tmp/run/dlsd-stats-create-graphs.sh.pid
13713 /bin/busybox.nosuid /dev/null
13713 /bin/busybox.nosuid /dev/null
13713 /bin/busybox.nosuid /dev/null
13740 /bin/busybox.nosuid /dev/null
13740 /bin/busybox.nosuid pipe:[6186]
13740 /bin/busybox.nosuid pipe:[6187]
13767 /bin/busybox.nosuid /dev/null
13767 /bin/busybox.nosuid pipe:[4753]
13767 /bin/busybox.nosuid pipe:[4754]
```

## Disk

### View system Disk Usage

Filesystem	Size	Used	Available	Use%	Mounted on
ubi0:rootfs	72.1M	67.5M	4.6M	94%	/rom
devtmpfs	119.0M	0	119.0M	0%	/rom/dev
tmpfs	119.1M	4.5M	114.6M	4%	/tmp
ubi0:data	58.8M	412.0K	58.4M	1%	/rom/data
ubi0:vendor	9.3M	7.4M	1.9M	79%	/vendor
ubi0:config	72.1M	46.5M	25.6M	65%	/config
overlayfs	58.8M	412.0K	58.4M	1%	/
ubi0:data	58.8M	412.0K	58.4M	1%	/overlay
tmpfs	512.0K	0	512.0K	0%	/dev