

Other commands of the unit



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sys uptime

Displays the system up time since the last reboot and the reason of this reboot.

```
#1> sys uptime
Uptime: 12 days 20:22:22
Last reboot reason: firmware upgrade
```

Figure - "sys uptime" command output

The possible options are:

- Software fault
- Unexpected restart
- Manual restart
- Manual delayed restart
- Firmware upgrade
- SNMP managed restart
- Test firmware loaded.

sys log show

Displays the unit event log.

sys info -full

Displays the detailed information about:

- System
- Memory
- CPU
- Flash
- DFfs
- License
- PHY0
- PHY1.

```

#1> sys info -full
SYSTEM      XG WANFleX H12S10v1.6.6-273 * Feb 20 2017 20:37:41 * SN:500388 * Uptime: 12 days 22:08:31
            Firmware ID: 012XG0010

MEMORY      55.2 MB total
            Malloc stats
              Total:57880544 Free:40372088 Allocated:17508456 (30.24%)
              Max:18149256 (31.35%)
            Calls
              malloc:10747866 free:12726516 realloc:3566855 calloc:385577 miss:0

            5990 mbufs, 4742 clusters free
            260 mbufs in use:
              259 mbufs allocated to data
              1 mbufs allocated to packet headers
            258/5000 mapped pages in use
            9417 Kbytes allocated to network (5% in use)

            EthI   : 0(1000,0)
            mgmt   : 0(1000,0)
            ge0    : 0(32,0)
            ge1    : 0(32,0)
            sfp    : 0(32,0)
            radio  : 0(32,0)

            ----- System objects stats -----
            Object      Capac. Current  Max
            -----
            Tasks       64       30      31
            Timers      70       10      12
            Semaphores  95       42      42
            MQueues     20       16      16
            Extentions  4        2       2
            Workspace Required: 58912
              Allocated: 102400

CPU          Processor: DAN ARM926EJ-S 600 MHz rev.D
            CPU Load  2%   2%(10s)  2%(30s)  2%(60s)  2%(300s)
            Detailed: Isr: 1.05% Tasks: 1.19% Idle: 97.74%

FLASH       Flash device 0: N25Q Boot sector #0, DFFS sector #7

DFFS        Files=9, Used 3713024 bytes, Free 12237960 bytes
            FlashSize=15936 KB, 249 Sectors of 64 KB, 15936 blocks of 1024 bytes

LICENSE     Factory License granted at 24/03/2015 16:28:21 id={dfeff4c2-2396-4825-8927-7d172c65c3d9}

PHY0        Marvell 88E6352 Copper PHY
            Physical link info:
            Link is UP, auto Full-duplex, 1000 Mbps
            Capabilities:          Self Peer
              Auto-Negotiation:    +    +
              10 Mbps Half-duplex: +    +
              10 Mbps Full-duplex: +    +
              100 Mbps Half-duplex: +    +
              100 Mbps Full-duplex: +    +
              1000 Mbps Half-duplex: +    -
              1000 Mbps Full-duplex: +    +
            PHY chip: Marvell 88E6352 Copper PHY ID: 0eb00141

PHY1        Marvell 88E6352 Copper PHY

```

Figure - "sys info -full" command output

config show

Displays the current unit configuration.

ifconfig -a

Displays the detailed information about network and radio interface.

```
#1> ifconfig -a
lo0: flags=8009<UP,LOOPBACK,MULTICAST> mtu 1500
    inet 127.0.0.1 netmask 0xffffffff

mgmt: flags=8003<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.10.20.3 netmask 0xfffff00 broadcast 10.10.20.255
    ether 00:04:35:07:a2:a4

mgmt: administrative status UP
+-----+-----+
|           Receive statistics           |           Transmit statistics           |
+-----+-----+
| Packets           3979622             | Packets           2940196             |
| Bytes            614262261            | Bytes            219734311            |
| Load (kbps)       6                  | Load (kbps)       3                  |
| Load (pps)        7                  | Load (pps)        6                  |
+-----+-----+

ge0: flags=1<UP> mtu 1500
    inet 0.0.0.0 netmask 0x0

Physical link is UP, 1000 Mbps Full-duplex, Auto
PHY chip: Marvell 88E6352 Copper PHY ID: 0eb00141
+-----+-----+-----+
|           Supported modes           | Self | Peer |
+-----+-----+-----+
|           Auto-Negotiation          | yes  | yes  |
|           10 Mbps Half-duplex       | yes  | yes  |
|           10 Mbps Full-duplex       | yes  | yes  |
|           100 Mbps Half-duplex      | yes  | yes  |
|           100 Mbps Full-duplex      | yes  | yes  |
|           1000 Mbps Half-duplex     | yes  | -    |
|           1000 Mbps Full-duplex     | yes  | yes  |
+-----+-----+-----+

ge0: administrative status UP
+-----+-----+-----+
|           Receive statistics           |           Transmit statistics           |
+-----+-----+-----+
| Packets           1408368             | Packets           105497             |
| Bytes            164562990            | Bytes            44901141            |
| Load (kbps)       3                  | Load (kbps)       1                  |
| Load (pps)        3                  | Load (pps)        3                  |
+-----+-----+-----+
| CRC errors         0                  | CRC errors         0                  |
| Pause packets      0                  | Excessive deferrals 0                  |
| Bad octets         0                  | Excessive collisions 0                 |
| Rx errors          0                  | Late collisions     0                  |
| Runt               0                  | Multiple collisions 0                  |
| Short packets      0                  | Single collisions    0                  |
| Long packets       0                  |                      |
+-----+-----+-----+
```

Figure - "ifconfig -a" command output

license -show

Title

Displays options available in this license

```
#1> license -show
License 'Factory License' granted at 24/03/2015 16:28:21
Device
  SN:500388
  PN:InfiNet Um/5.500.2x500
Operational parameters
rf5.0 interface parameters
  Maximum Transmit Rate: 500 Mbps
  Available Channel Widths: 10 Mhz 20 Mhz
  40 MHz channel width is available
  Link: Point to Point
  Power levels: 1,500 mW
  Power levels: 0.0,27.0 dBm
  Supported Frequencies: 4910 - 5990 MHz
```

Figure - "license -show" command output

ctl

Displays the switch board temperature.

```
#1> ctl
Internal temperature is +45.1 degrees Celsius.
```

Figure - "ctl" command output

tsync

Displays the synchronization statistics via built-in GLONASS/GPS receiver.

mem

Displays the memory utilization statistics.

```
#1> mem
Malloc stats
  Total:57880544  Free:40366480  Allocated:17514064 (30.25%)
  Max:18149256 (31.35%)
Calls
  malloc:10753914  free:12734844  realloc:3573772  calloc:386495  miss:0

5988 mbufs, 4741 clusters free
262 mbufs in use:
  261 mbufs allocated to data
  1 mbufs allocated to packet headers
259/5000 mapped pages in use
9417 Kbytes allocated to network (5% in use)

EthI   : 0(1000,0)
mgmt   : 0(1000,0)
ge0    : 0(32,0)
ge1    : 0(32,0)
sfp    : 0(32,0)
radio  : 0(32,0)
```

Figure - "mem" command output