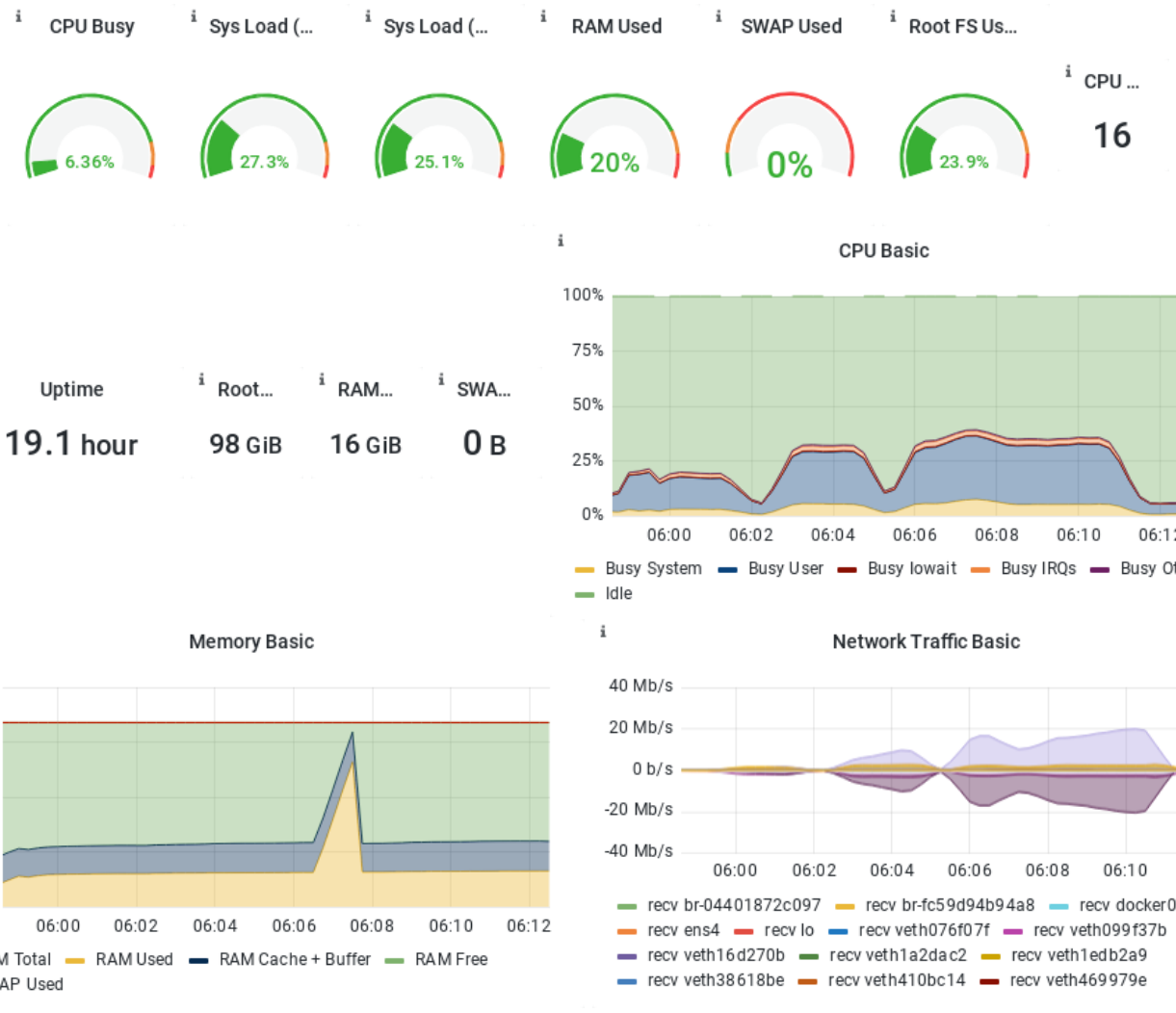
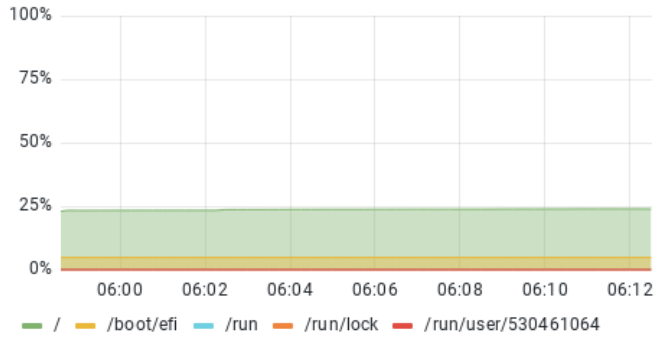
Host Metrics

The dashboard visualizes host metrics collected by node_exporter. (based on: https://grafana.com/grafana/dashboards/1860)

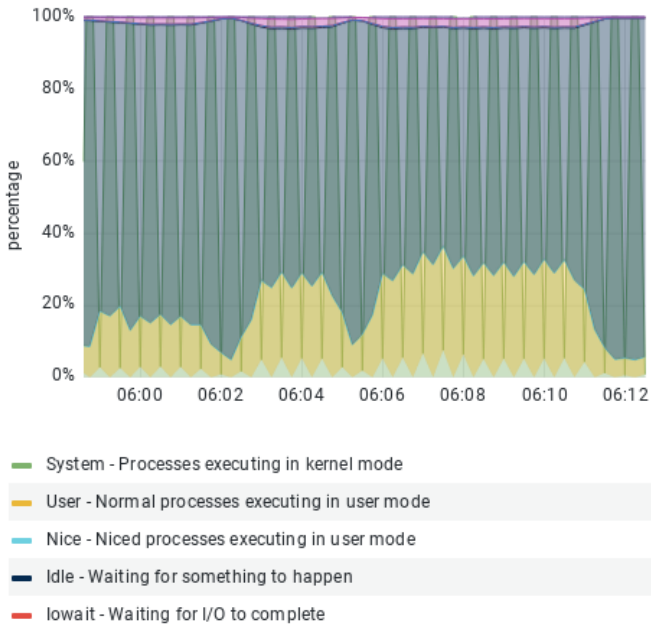
Fri Oct 21 05:58:35 UTC 2022
to
Fri Oct 21 06:12:31 UTC 2022



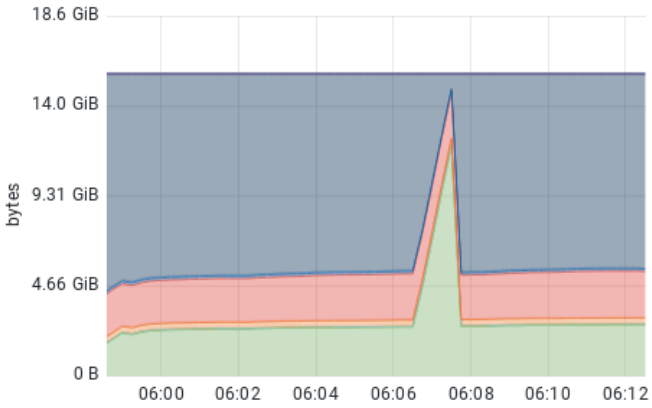
Disk Space Used Basic



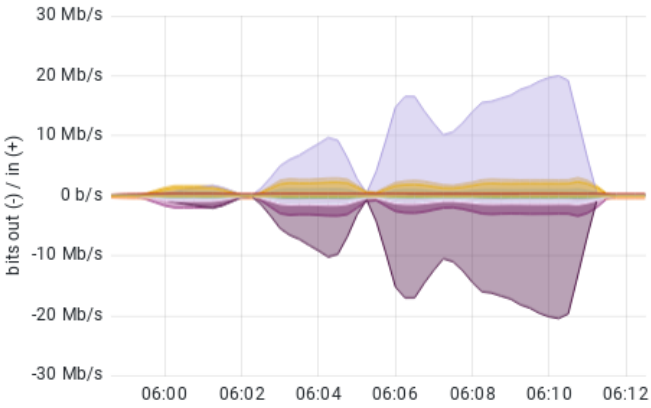
CPU



Memory Stack

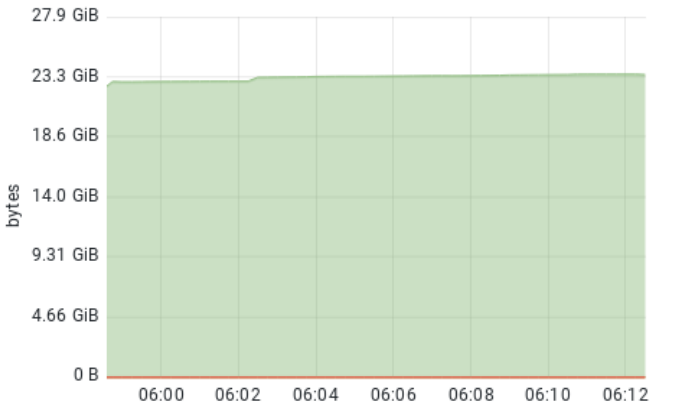


Network Traffic



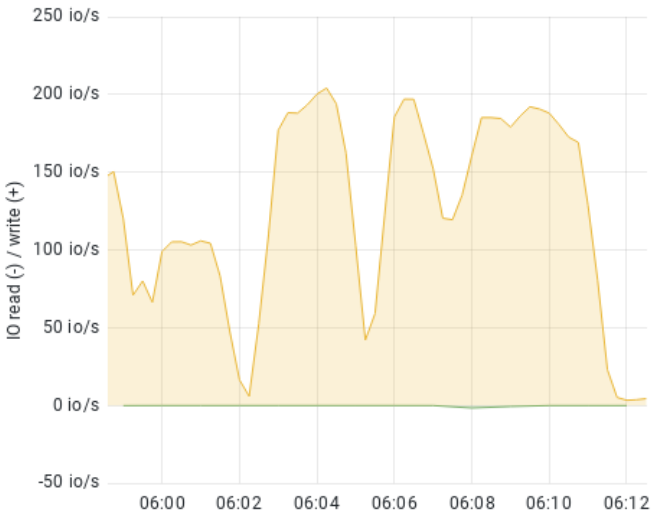
	min	max	avg	curren
br-04401872c097 - Receive	705 b/s	54.4 kb/s	8.24 kb/s	4.69 kb
br-fc59d94b94a8 - Receive	5.57 kb/s	3.02 Mb/s	1.71 Mb/s	16.9 kb
docker0 - Receive	0 b/s	0 b/s	0 b/s	0 b
ens4 - Receive	2.73 kb/s	27.2 kb/s	6.80 kb/s	3.84 kb
lo - Receive	0 b/s	149 kb/s	17.6 kb/s	460 b

Disk Space Used



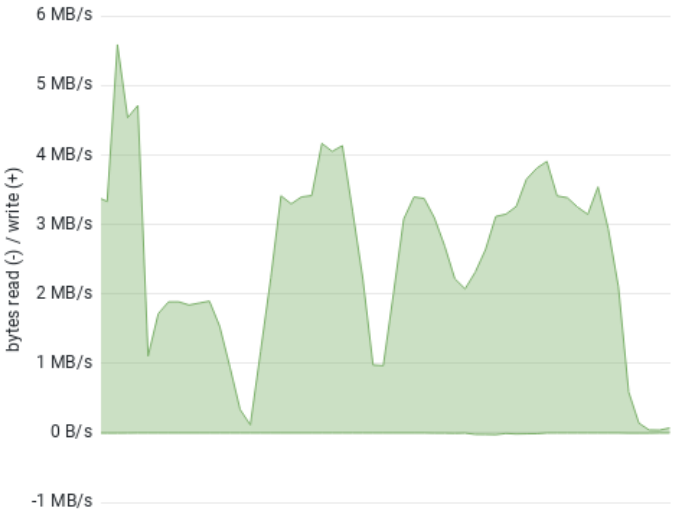
	min	max	avg	current
/run/lock	0.000 B	0.000 B	0.000 B	0.000 B
/run/user/530461064	0.000 B	0.000 B	0.000 B	0.000 B
/run	2.320 MiB	2.398 MiB	2.396 MiB	2.398 MiB
/boot/efi	5.898 MiB	5.898 MiB	5.898 MiB	5.898 MiB
/	22.327 GiB	23.475 GiB	23.230 GiB	23.445 GiB

Disk IOps



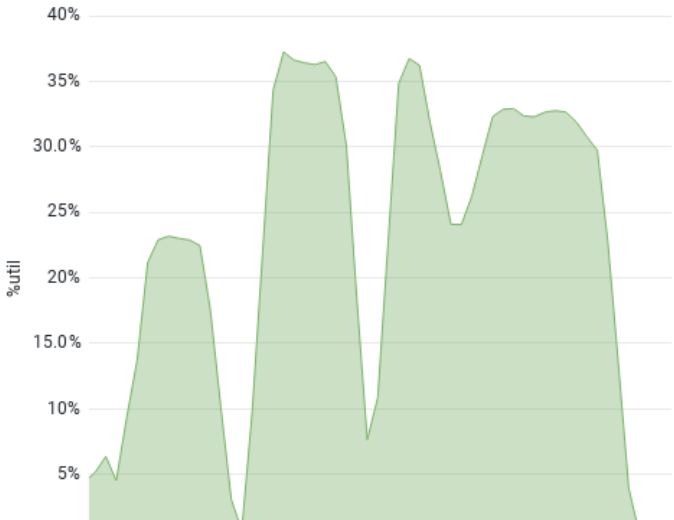
	min	max	avg	current
sda - Reads completed	0 io/s	1.60 io/s	0.170 io/s	0.0333 io/s
sda - Writes completed	3.38 io/s	204 io/s	125 io/s	4.40 io/s

I/O Usage Read / Write



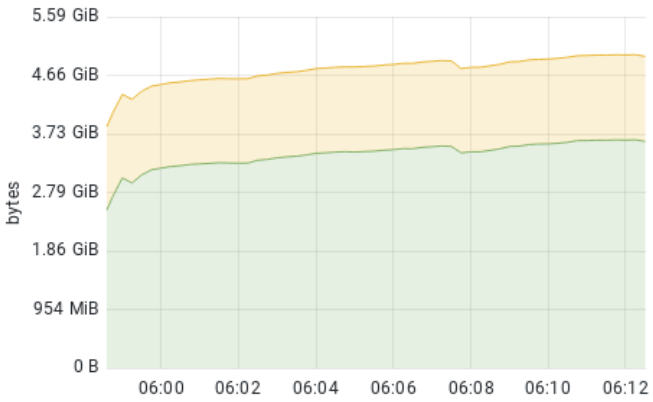
	min	max	avg
sda - Successfully read bytes	0.000 B/s	24.485 kB/s	2.468 kB/s
sda - Successfully written bytes	40.050 kB/s	5.586 MB/s	2.521 MB/s

I/O Utilization



	min	max	avg	current
sda	0.329%	37.236%	21.965%	0.471%

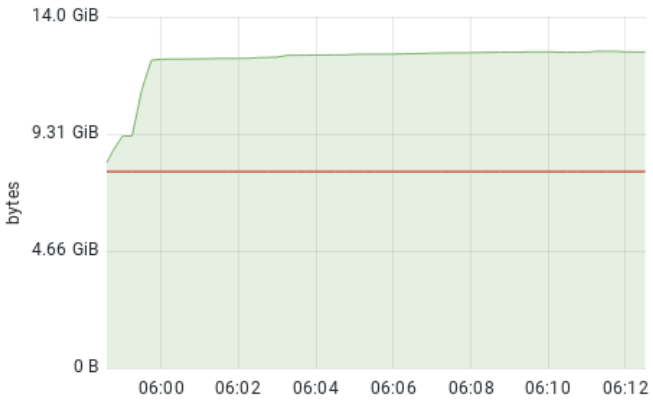
Memory Active / Inactive



Inactive - Memory which has been less recently used. It is more eligible to be re

Active - Memory that has been used more recently and usually not reclaimed u

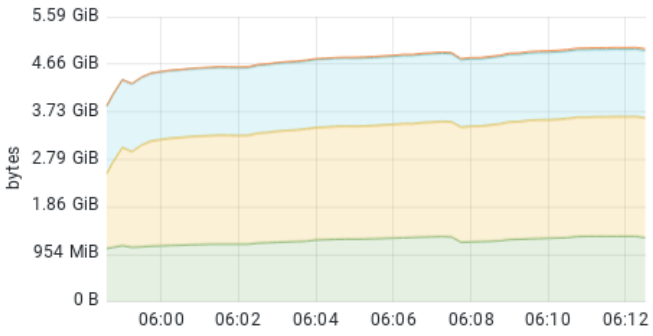
Memory Commited



Committed_AS - Amount of memory presently allocated on the system

CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



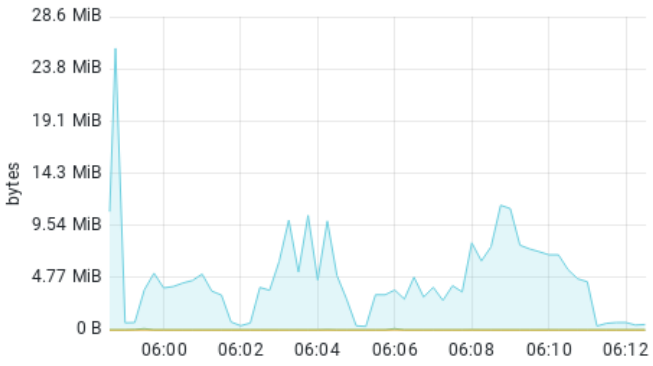
Inactive_file - File-backed memory on inactive LRU list

Inactive_anon - Anonymous and swap cache on inactive LRU list, including tmp

Active_file - File-backed memory on active LRU list

Active_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty

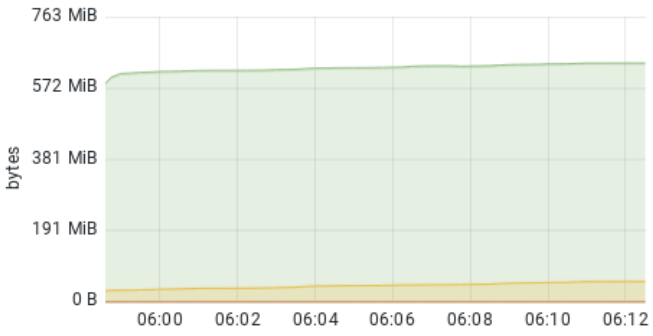


Writeback - Memory which is actively being written back to disk

WritebackTmp - Memory used by FUSE for temporary writeback buffers

Dirty - Memory which is waiting to get written back to the disk 324.

Memory Shared and Mapped



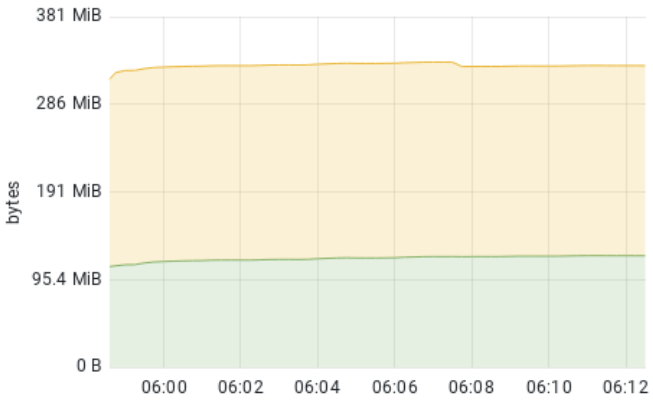
Mapped - Used memory in mapped pages files which have been mmaped, such

Shmem - Used shared memory (shared between several processes, thus includ

ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc

ShmemPmdMapped - Ammount of shared (shmem/tmpfs) memory backed by

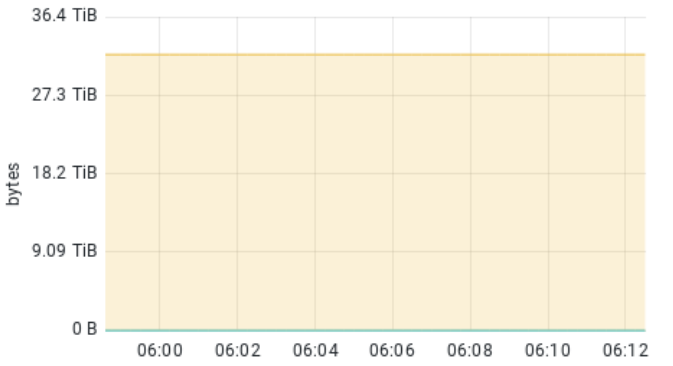
Memory Slab



SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 10

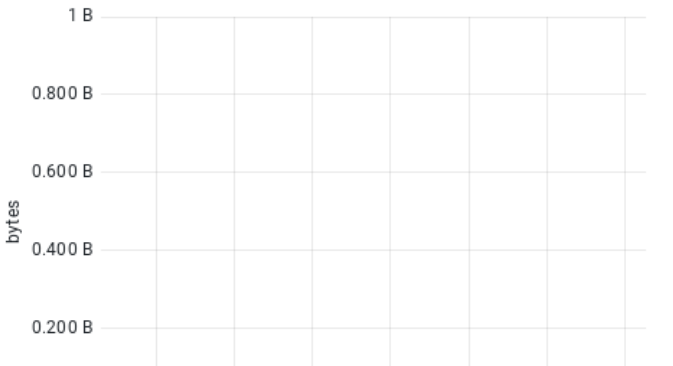
SReclaimable - Part of Slab, that might be reclaimed, such as caches 19

Memory Vmalloc



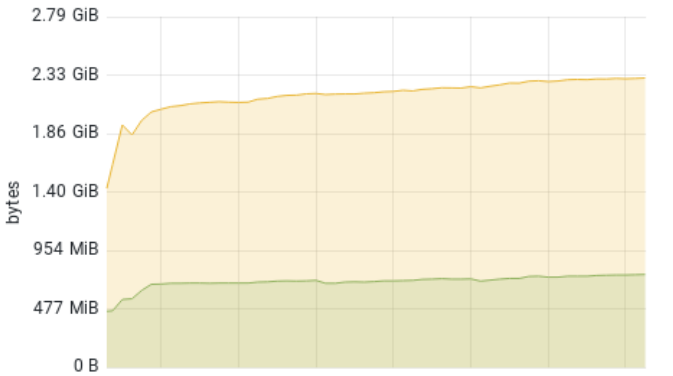
VmallocChunk - Largest contigious block of vmalloc area which is free	0
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	30.4

Memory Bounce



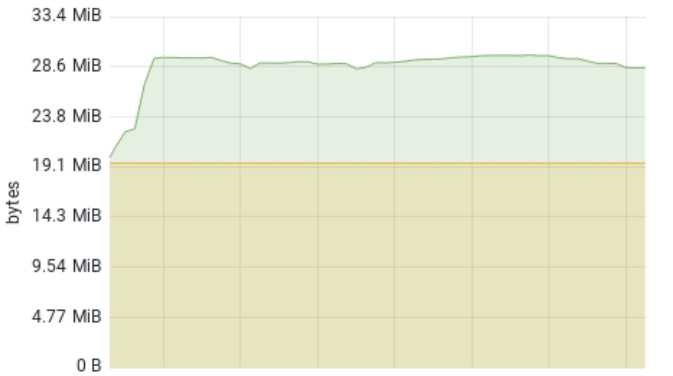
	min	max	a
Bounce - Memory used for block device bounce buffers	0.00 B	0.00 B	0.

Memory Anonymous



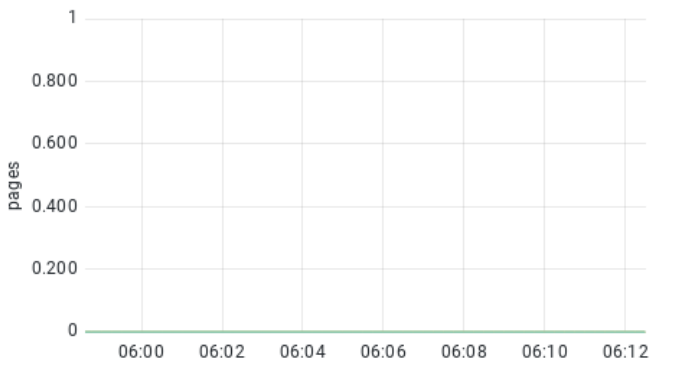
	min	
AnonHugePages - Memory in anonymous huge pages	456.00 MiB	758.0
AnonPages - Memory in user pages not backed by files	1.30 GiB	2.3

Memory Kernel / CPU



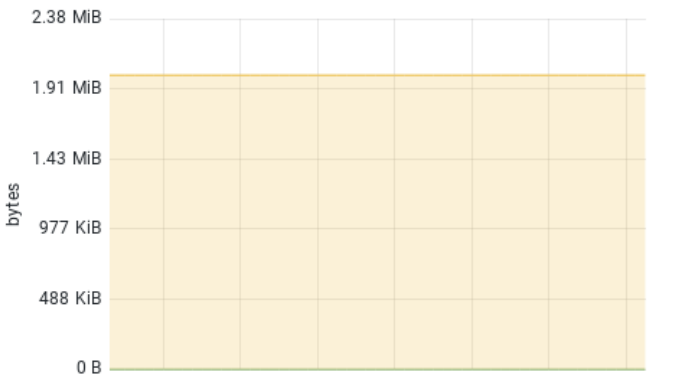
KernelStack - Kernel memory stack. This is not reclaimable	19.3
PerCPU - Per CPU memory allocated dynamically by loadable modules	19.4

Memory HugePages Counter



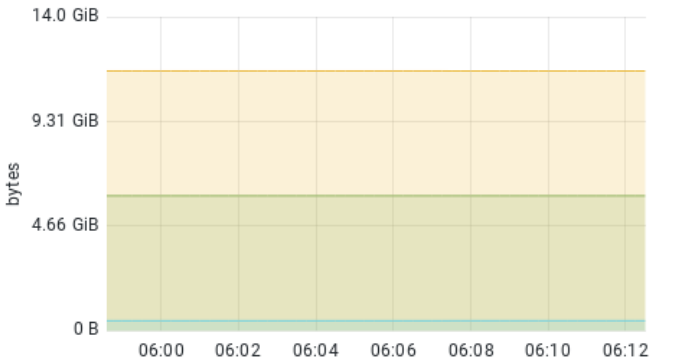
HugePages_Free - Huge pages in the pool that are not yet allocated
HugePages_Rsvd - Huge pages for which a commitment to allocate from the p
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr

Memory HugePages Size



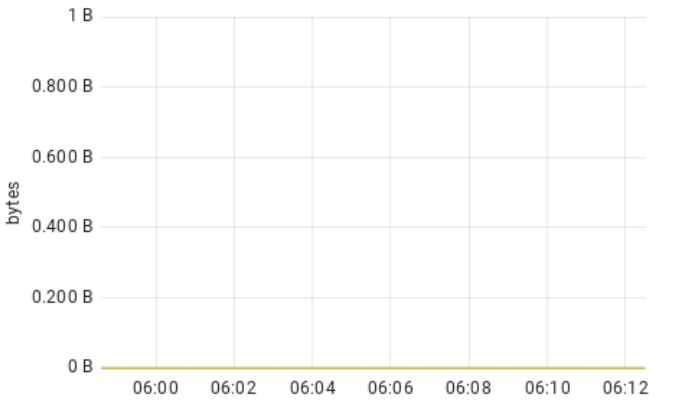
	min	max	cu
HugePages - Total size of the pool of huge pages	0.00 B	0.00 B	
Hugepagesize - Huge Page size	2.00 MiB	2.00 MiB	2.

Memory DirectMap



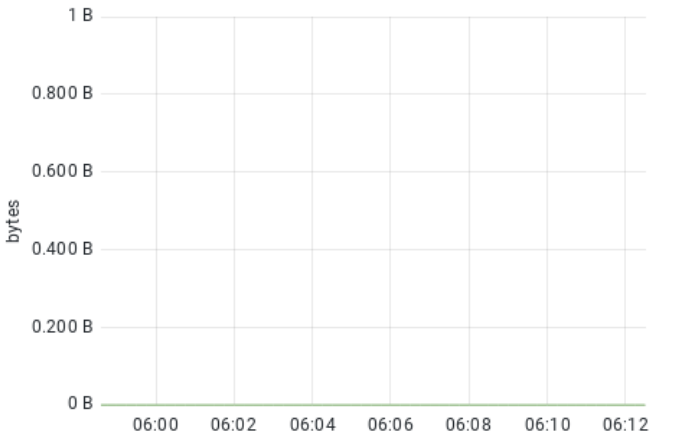
	min	m
DirectMap1G - Amount of pages mapped as this size	6.00 GiB	6.00
DirectMap2M - Amount of pages mapped as this size	11.56 GiB	11.56
DirectMap4K - Amount of pages mapped as this size	448.81 MiB	450.81

Memory Unevictable and MLocked



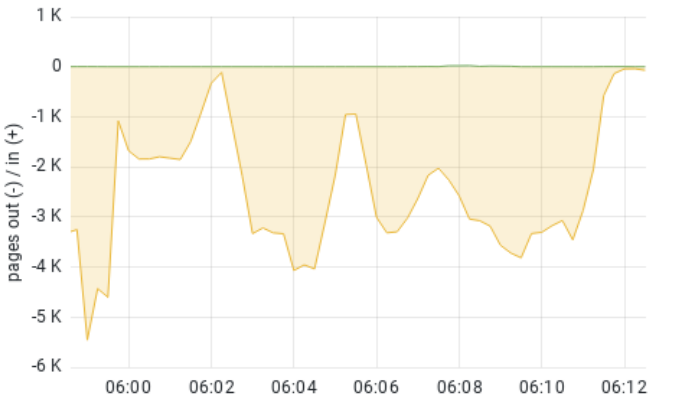
- Unevictable - Amount of unevictable memory that can't be swapped out for a v
- MLocked - Size of pages locked to memory using the mlock() system call

Memory NFS



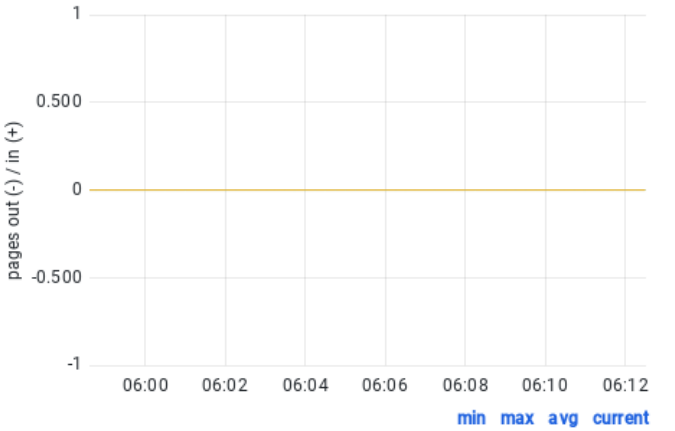
- NFS Unstable - Memory in NFS pages sent to the server, but not yet commited t

Memory Pages In / Out



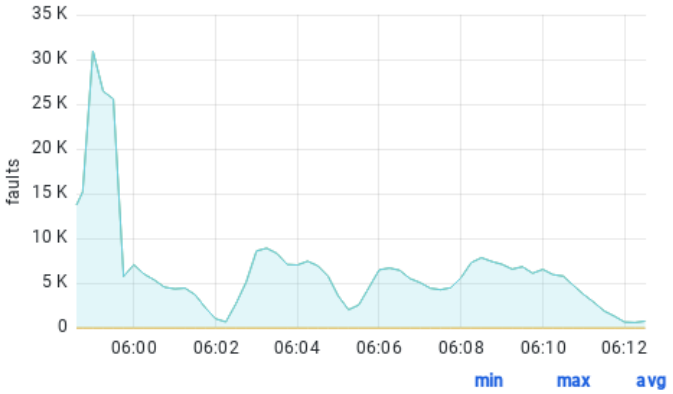
	min	max	avg	current
Pagesin - Page in operations	0	23.9	2.41	0
Pagesout - Page out operations	39.1	5.45 K	2.46 K	69.7

Memory Pages Swap In / Out



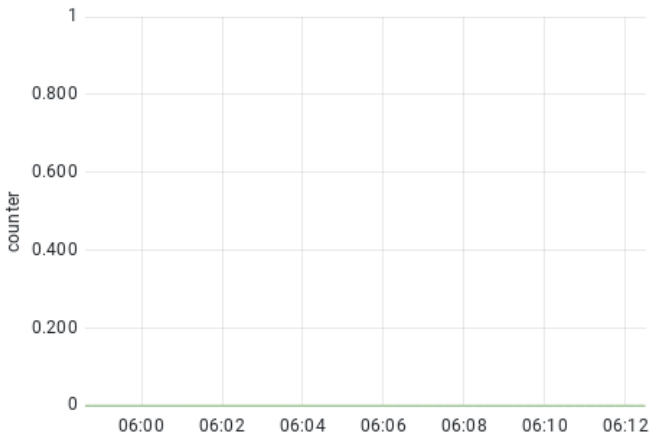
	min	max	avg	current
Pswpin - Pages swapped in	0	0	0	0
Pswpout - Pages swapped out	0	0	0	0

Memory Page Faults



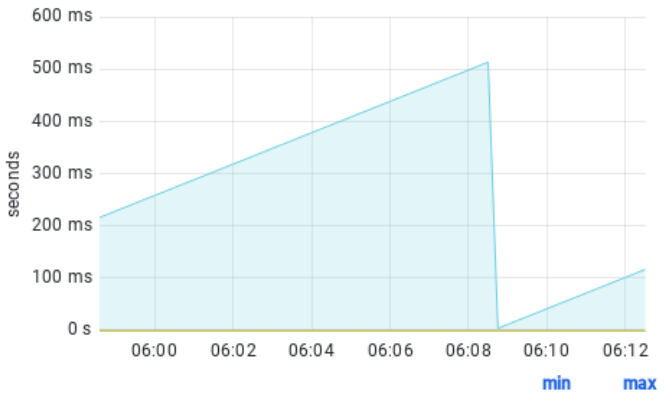
	min	max	avg
Pgfault - Page major and minor fault operations	599.16	30.96 K	6.49 K
Pgmajfault - Major page fault operations	0.00	0.33	0.0
Pgminfault - Minor page fault operations	599.16	30.96 K	6.49 K

OOM Killer



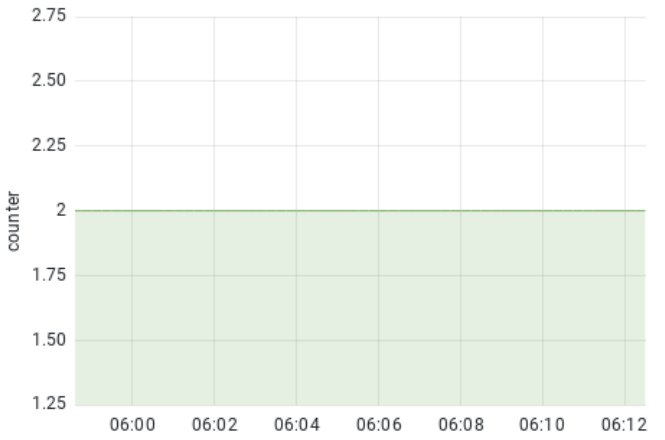
	min	max	avg	current
oom killer invocations	0.00	0.00	0.00	0.00

Time Syncronized Drift



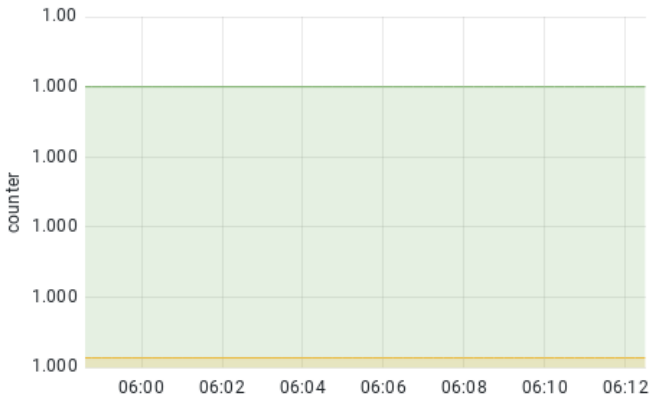
	min	max
Estimated error in seconds	9 µs	9 µs
Time offset in between local system and reference clock	0 s	0 s
Maximum error in seconds	4.21 ms	513 ms

Time PLL Adjust



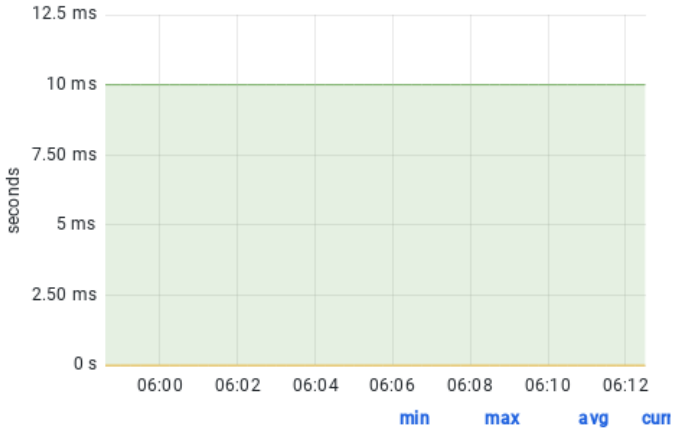
	min	max	avg	current
Phase-locked loop time adjust	2	2	2	2

Time Syncronized Status



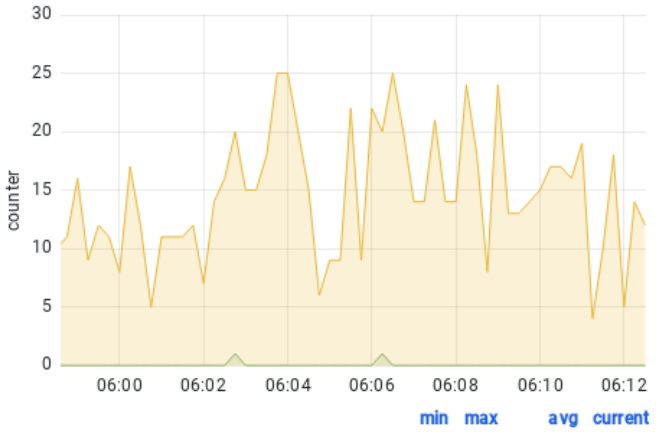
	min	max
Is clock synchronized to a reliable server (1 = yes, 0 = no)	1	1
Local clock frequency adjustment	1.000	1.000

Time Misc



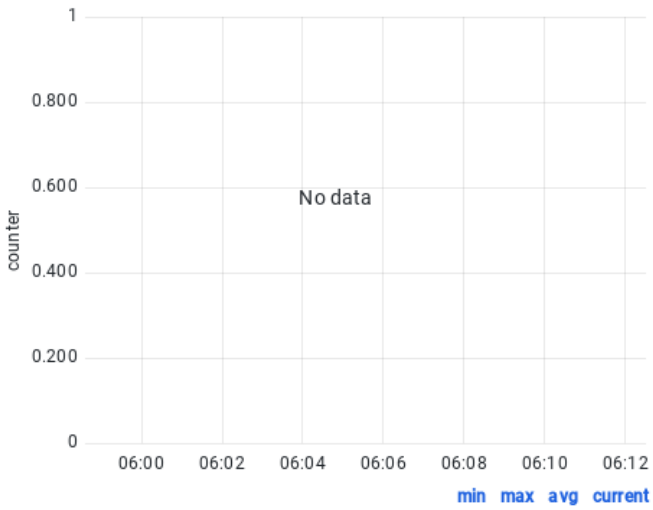
	min	max	avg	cur
Seconds between clock ticks	10.0 ms	10.0 ms	10.0 ms	10.
International Atomic Time (TAI) offset	0 s	0 s	0 s	

Processes Status

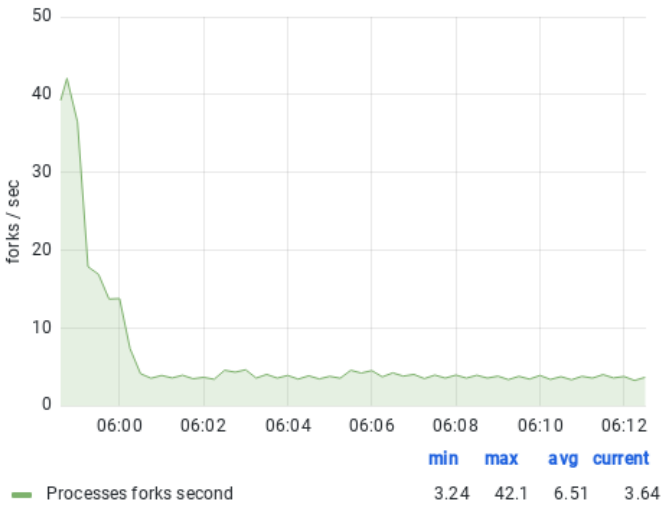


	min	max	avg	current
Processes blocked waiting for I/O to complete	0	1	0.0351	0
Processes in runnable state	4	25	14.5	12

Processes State

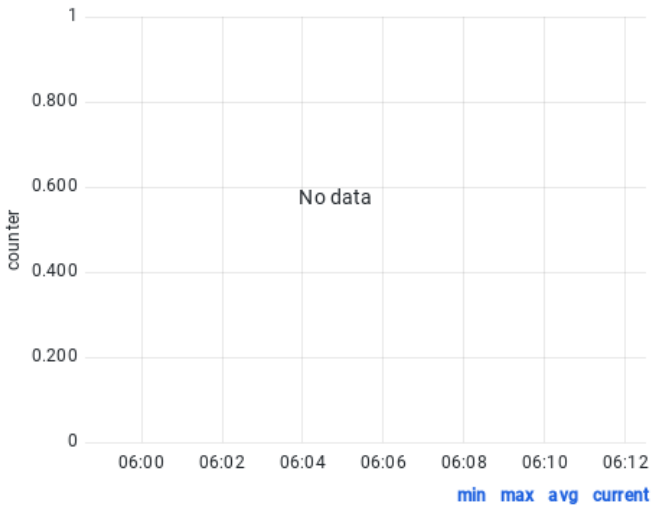


Processes Forks

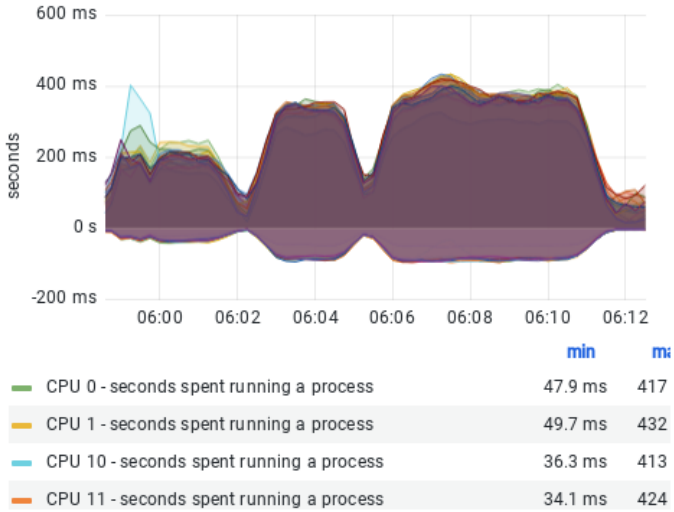


Processes Memory

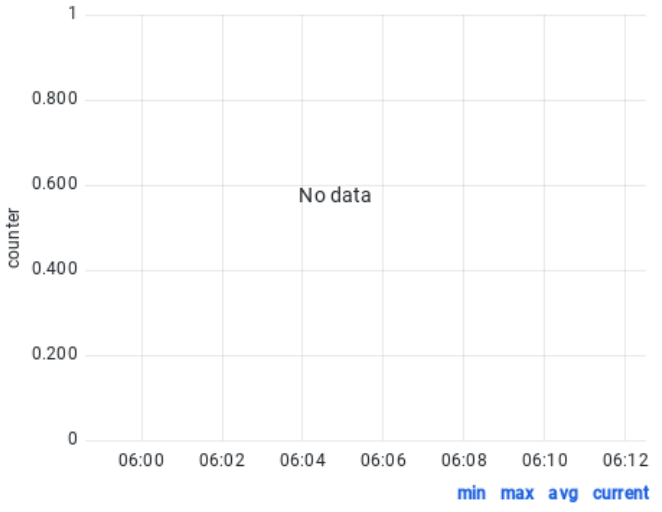
PIDs Number and Limit



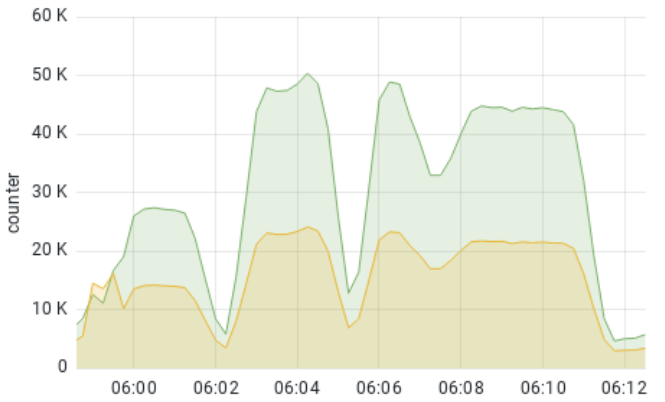
Process schedule stats Running / Waiting



Threads Number and Limit

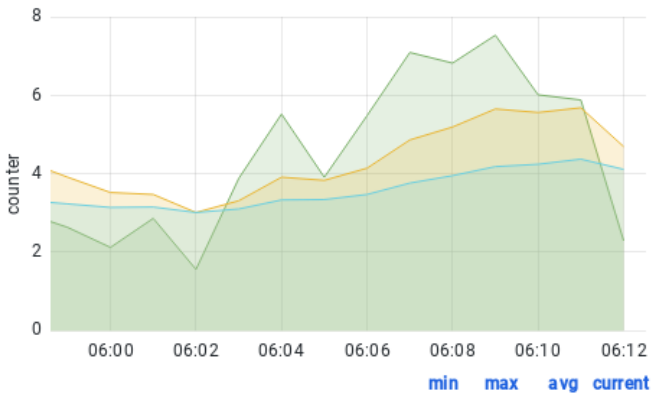


Context Switches / Interrupts



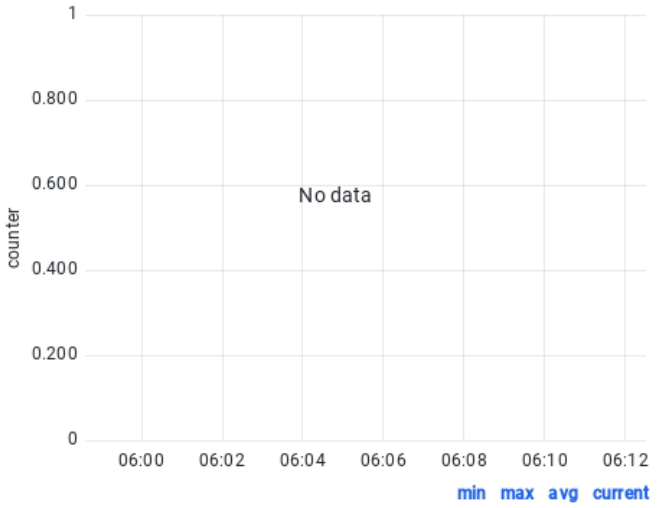
	min	max	avg	current
Context switches	4.63 K	50.4 K	30.2 K	5.71 K
Interrupts	2.94 K	24.1 K	15.5 K	3.39 K

System Load



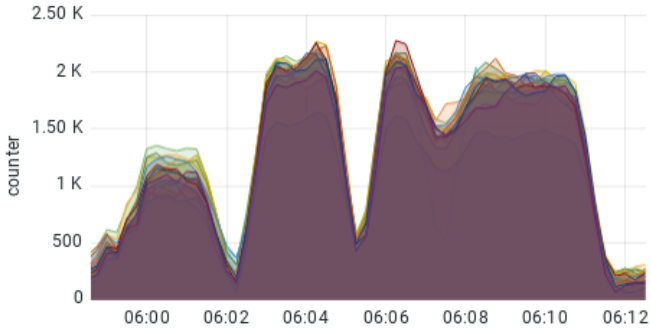
	min	max	avg	current
Load 1m	1.56	7.53	4.44	2.29
Load 5m	3.01	5.68	4.34	4.69
Load 15m	3.01	4.37	3.58	4.11

Interrupts Detail



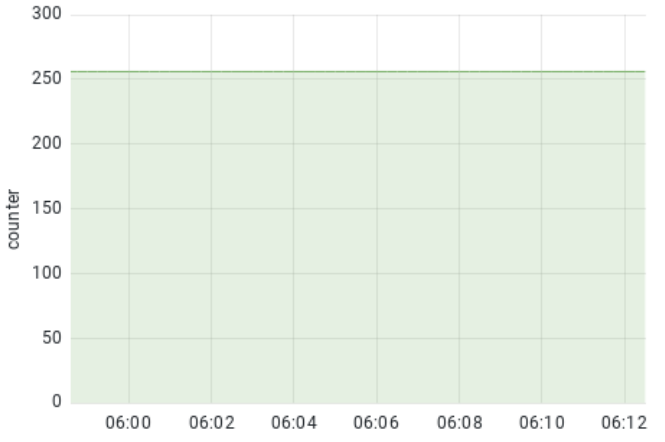
min max avg current

Schedule timeslices executed by each cpu



	min	max	avg	current
CPU 0	249	2.17 K	1.36 K	249
CPU 1	188	2.13 K	1.34 K	308
CPU 10	117	2.04 K	1.19 K	117
CPU 11	121	2.13 K	1.25 K	263

Entropy

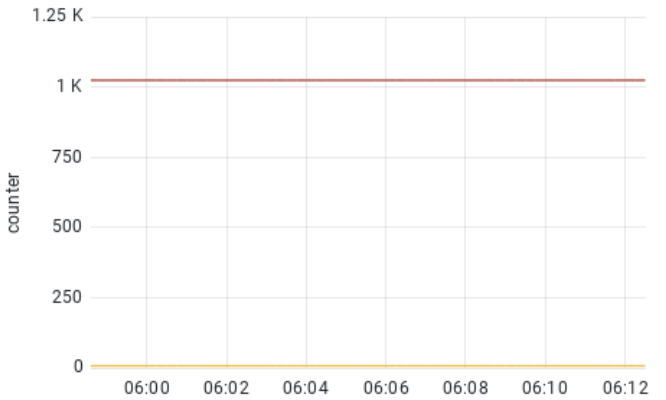


	min	max	avg	current
Entropy available to random number generators	256	256	256	256

CPU time spent in user and system contexts

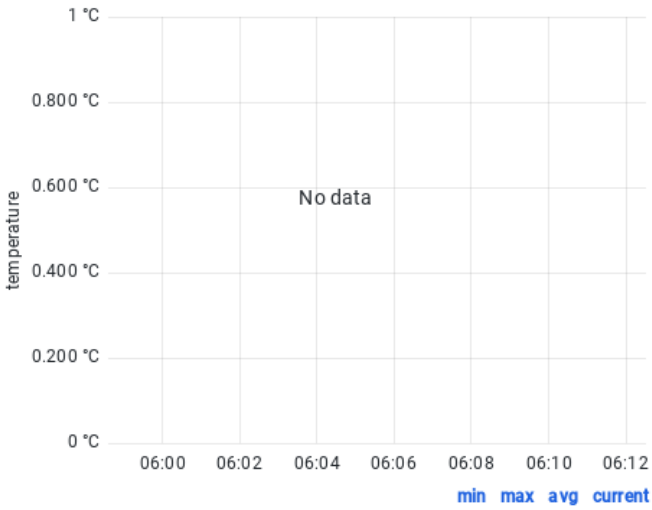
	min	max	avg	current
Time spent	3.95 ms	15.8 ms	9.73 ms	7.78 ms

File Descriptors

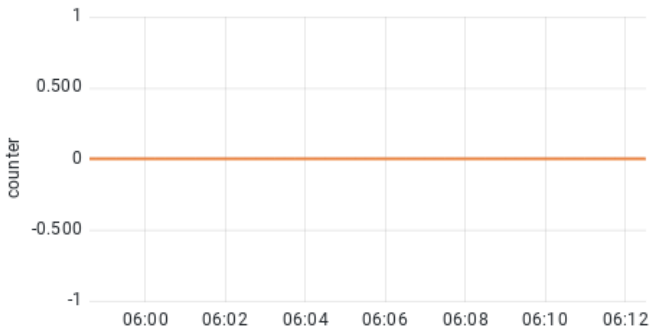


	min	max	avg	current
Maximum open file descriptors	1.02 K	1.02 K	1.02 K	1.02 K
Open file descriptors	9	9	9	9

Hardware temperature monitor

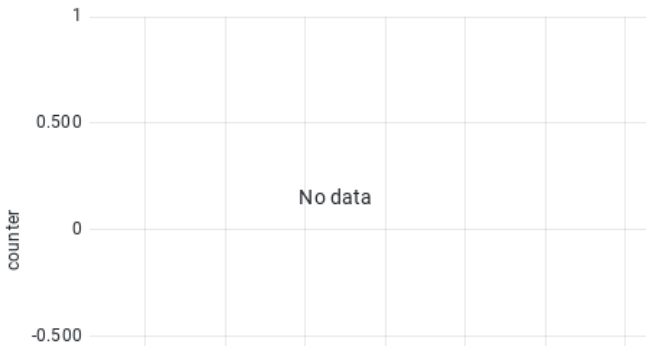


Throttle cooling device

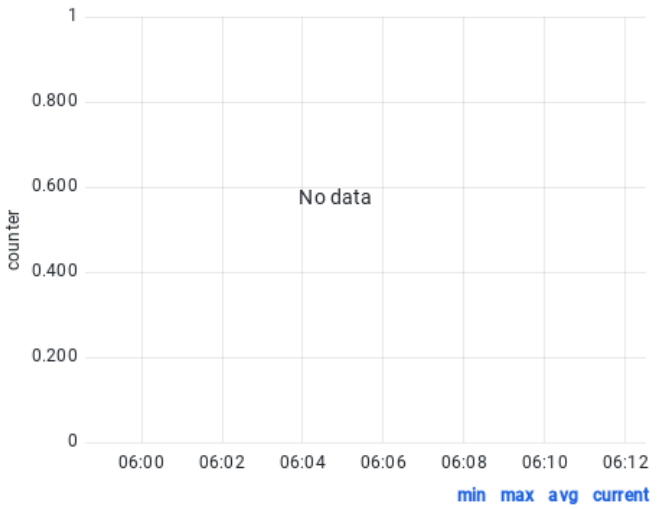


	min	max	avg	current
Current 0 in Processor	0	0	0	0
Current 1 in Processor	0	0	0	0
Current 10 in Processor	0	0	0	0
Current 11 in Processor	0	0	0	0

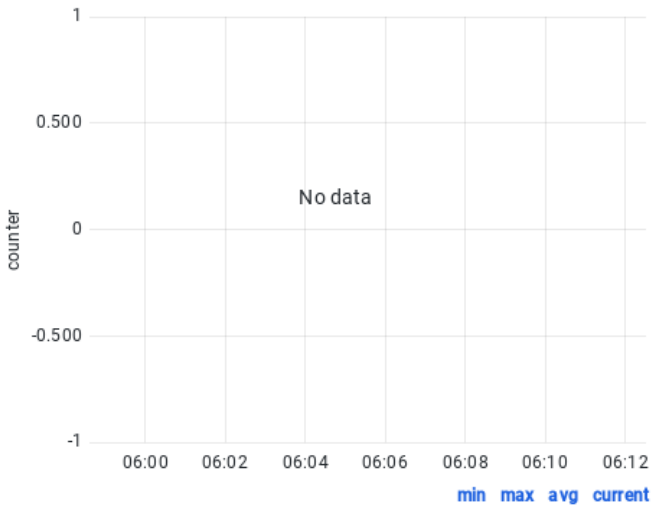
Power supply



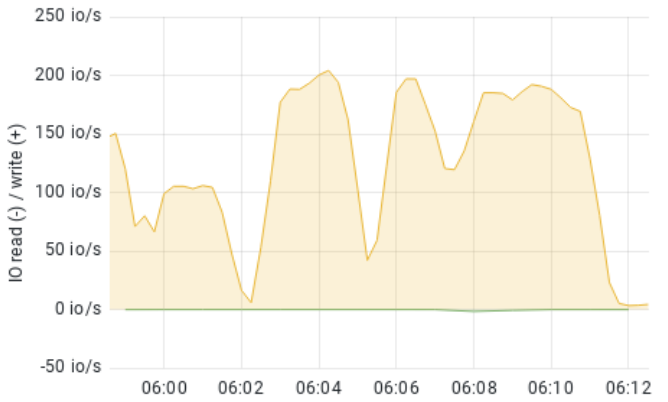
Systemd Sockets



Systemd Units State

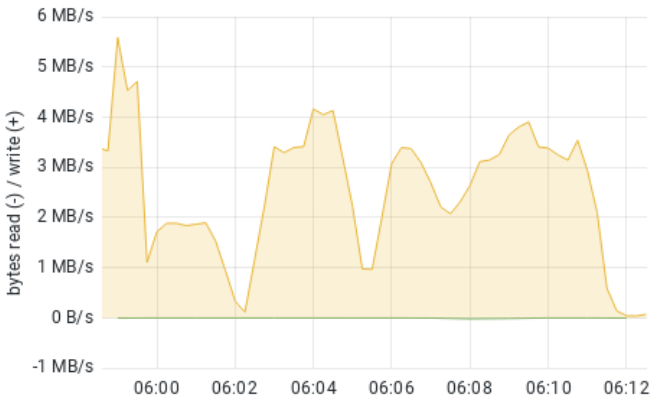


Disk IOps Completed



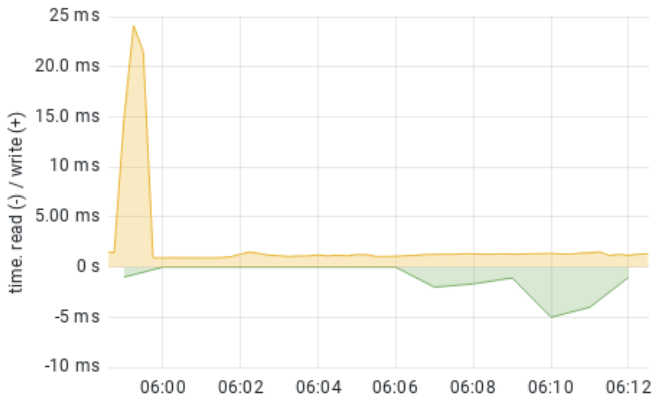
	min	max	avg	current
sda - Reads completed	0 io/s	1.60 io/s	0.170 io/s	0.0333 io/s
sda - Writes completed	3.38 io/s	204 io/s	125 io/s	4.40 io/s

Disk R/W Data



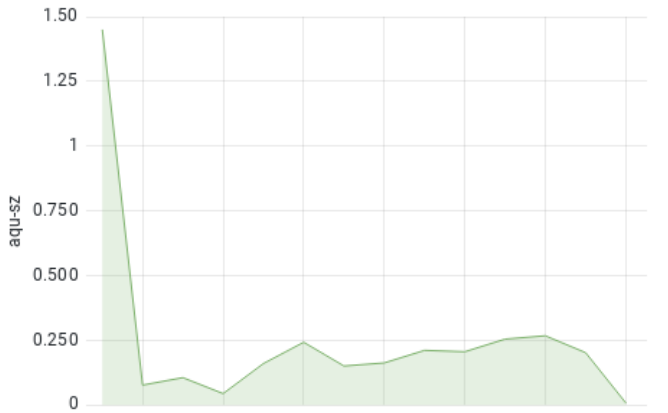
	min	max	avg	current
sda - Read bytes	0 B/s	17.7 kB/s	2.51 kB/s	2.25 kB/s
sda - Written bytes	40.0 kB/s	5.59 MB/s	2.52 MB/s	71.4 kB/s

Disk Average Wait Time



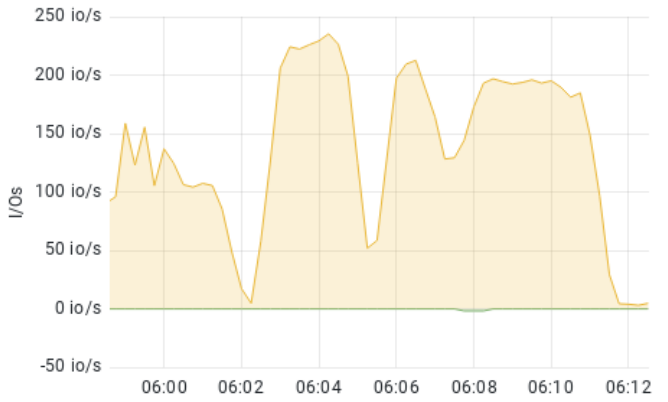
	min	max	avg	current
sda - Write wait time avg	934 µs	24.1 ms	2.21 ms	1.33 ms
sda - Read wait time avg	0 s	5.00 ms	1.12 ms	1000 µs

Average Queue Size



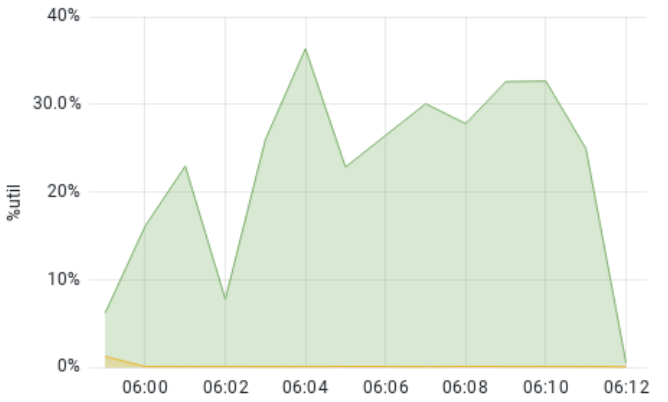
	min	max	avg	current
sda	0.00718	1.45	0.253	0.00718

Disk R/W Merged



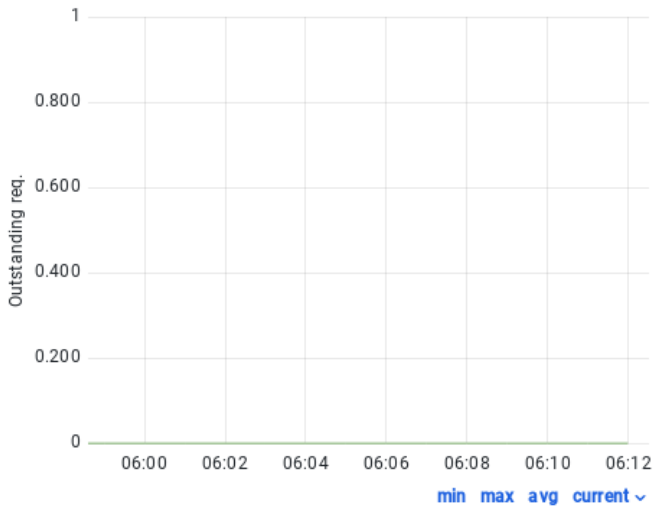
	min	max	avg	current
sda - Write merged	3.13 io/s	235 io/s	137 io/s	4.82 io/s
sda - Read merged	0 io/s	1.69 io/s	0.0889 io/s	0 io/s

Time Spent Doing I/Os

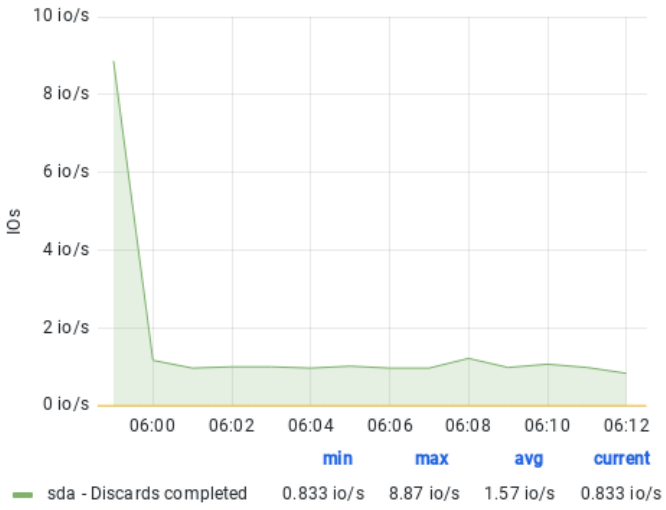


	min	max	avg	current
sda - IO	0.520%	36.3%	22.4%	0.520%
sda - discard	0.0650%	1.25%	0.175%	0.0650%

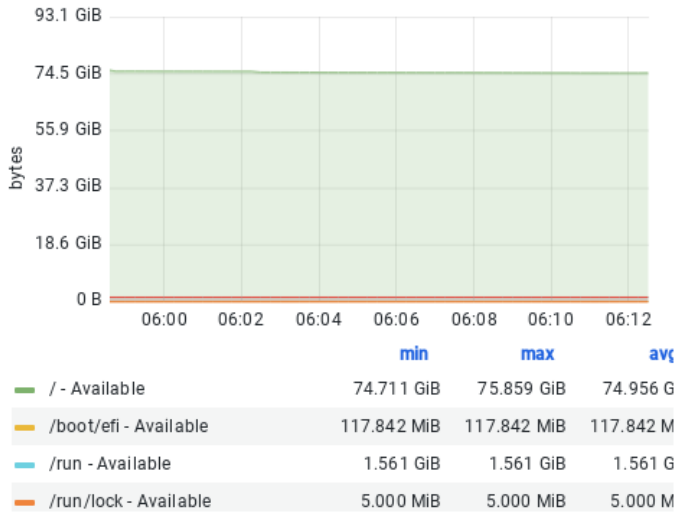
Instantaneous Queue Size



Disk IOps Discards completed / merged

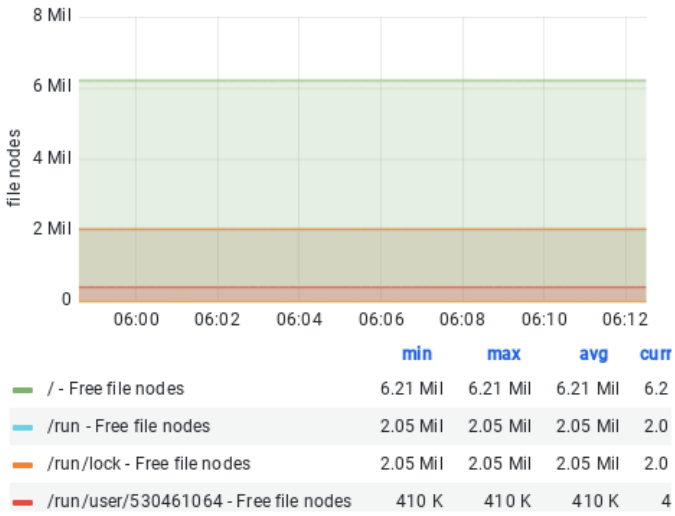


Filesystem space available



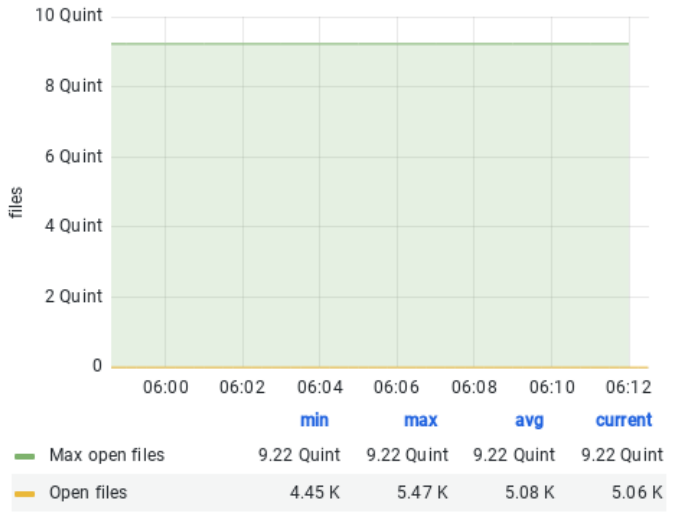
	min	max	avg
/ - Available	74.711 GiB	75.859 GiB	74.956 G
/boot/efi - Available	117.842 MiB	117.842 MiB	117.842 M
/run - Available	1.561 GiB	1.561 GiB	1.561 G
/run/lock - Available	5.000 MiB	5.000 MiB	5.000 M

File Nodes Free



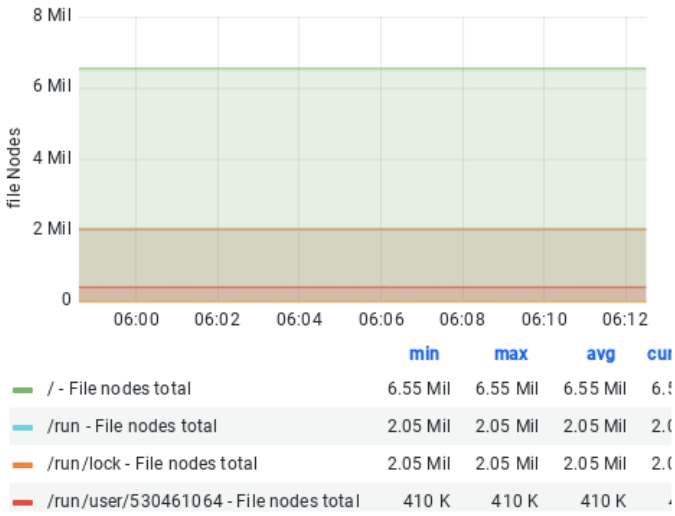
	min	max	avg	curr
/ - Free file nodes	6.21 Mil	6.21 Mil	6.21 Mil	6.2
/run - Free file nodes	2.05 Mil	2.05 Mil	2.05 Mil	2.0
/run/lock - Free file nodes	2.05 Mil	2.05 Mil	2.05 Mil	2.0
/run/user/530461064 - Free file nodes	410 K	410 K	410 K	4

File Descriptor



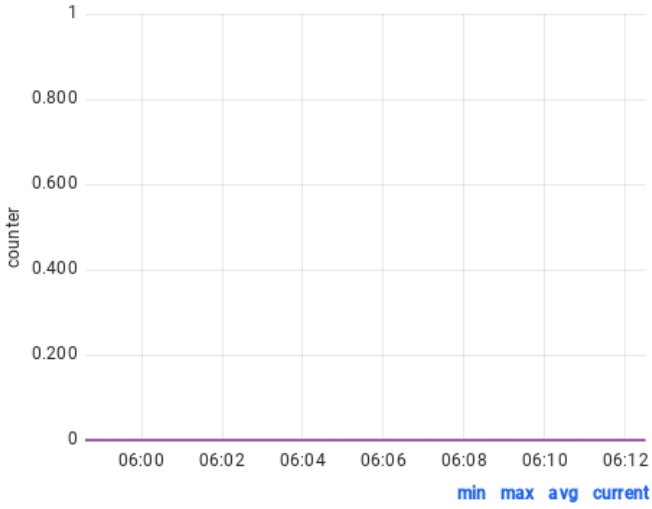
	min	max	avg	current
Max open files	9.22 Quint	9.22 Quint	9.22 Quint	9.22 Quint
Open files	4.45 K	5.47 K	5.08 K	5.06 K

File Nodes Size

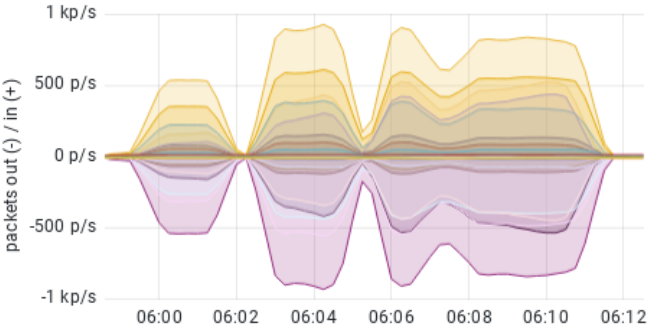


	min	max	avg	cur
/ - File nodes total	6.55 Mil	6.55 Mil	6.55 Mil	6.5
/run - File nodes total	2.05 Mil	2.05 Mil	2.05 Mil	2.0
/run/lock - File nodes total	2.05 Mil	2.05 Mil	2.05 Mil	2.0
/run/user/530461064 - File nodes total	410 K	410 K	410 K	4

Filesystem in ReadOnly / Error

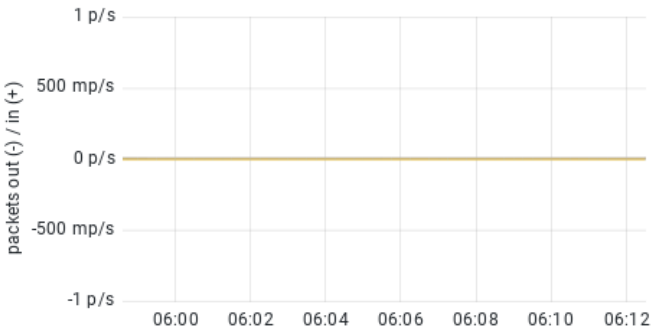


Network Traffic by Packets



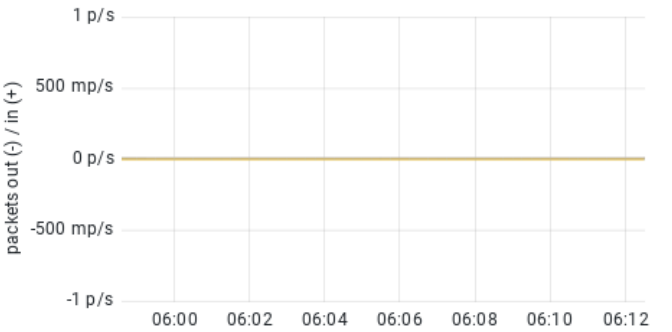
	min	max	avg	curre
br-04401872c097 - Receive	1.78 p/s	17.0 p/s	4.95 p/s	3.56
br-fc59d94b94a8 - Receive	1.56 p/s	926 p/s	532 p/s	2.87
docker0 - Receive	0 p/s	0 p/s	0 p/s	0
ens4 - Receive	4 p/s	10 p/s	5.31 p/s	4.24

Network Traffic Errors



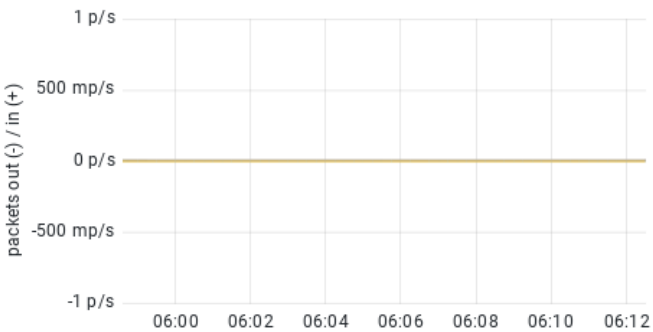
	min	max	avg	current
vethed07ac9 - Rransmit errors	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Rransmit errors	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Rransmit errors	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Rransmit errors	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Drop



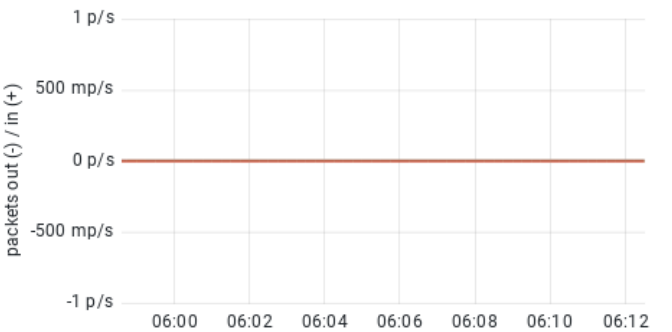
	min	max	avg	current
vethed07ac9 - Transmit drop	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Transmit drop	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Transmit drop	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Transmit drop	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Compressed



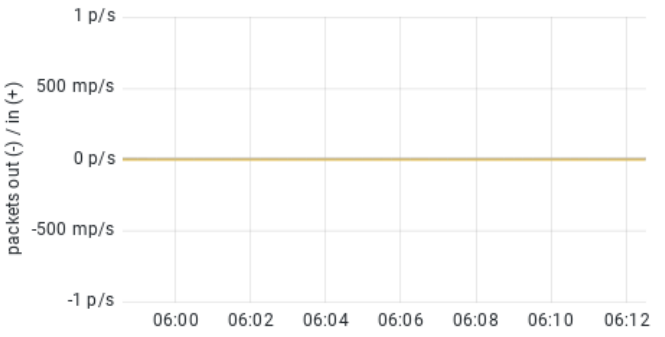
	min	max	avg	current
vethed07ac9 - Transmit compressed	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Transmit compressed	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Transmit compressed	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Transmit compressed	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Multicast



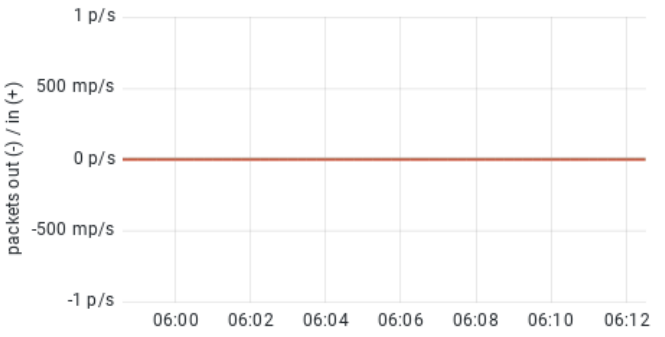
	min	max	avg	current
vethed07ac9 - Receive multicast	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Receive multicast	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Receive multicast	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Receive multicast	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Fifo



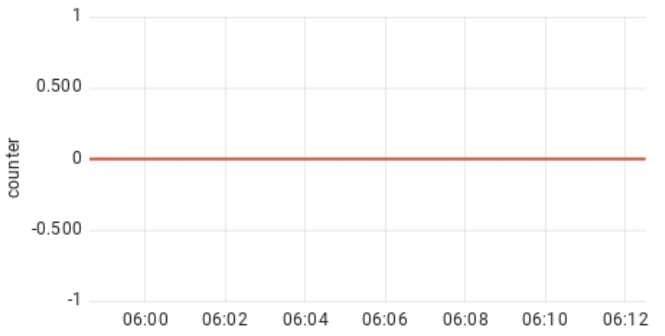
	min	max	avg	current
vethed07ac9 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



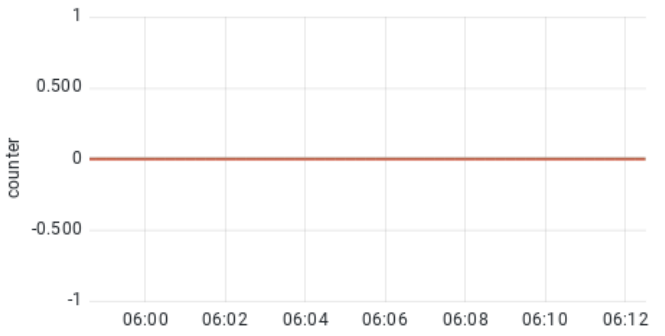
	min	max	avg	current
vethed07ac9 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethe853037 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethe5b122d - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethe052fab - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



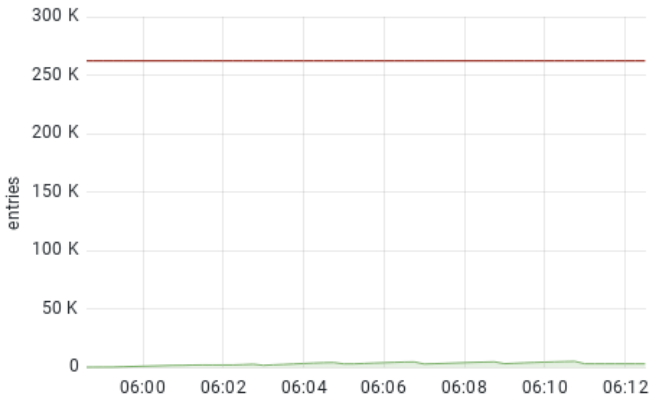
	min	max	avg	current
vethed07ac9 - Statistic transmit_carrier	0	0	0	0
vethe853037 - Statistic transmit_carrier	0	0	0	0
vethe5b122d - Statistic transmit_carrier	0	0	0	0
vethe052fab - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



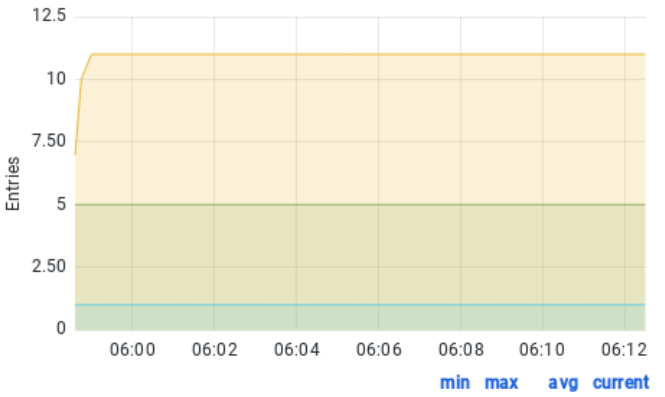
	min	max	avg	current
vethed07ac9 - Transmit colls	0	0	0	0
vethe853037 - Transmit colls	0	0	0	0
vethe5b122d - Transmit colls	0	0	0	0
vethe052fab - Transmit colls	0	0	0	0

NF Contrack



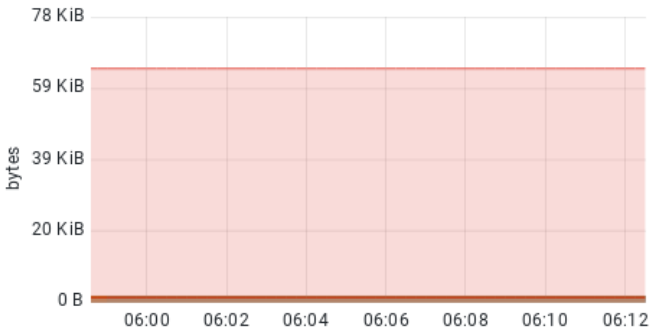
	min	max	avg	current
NF conntrack entries	183	5.15 K	2.94 K	3.08 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



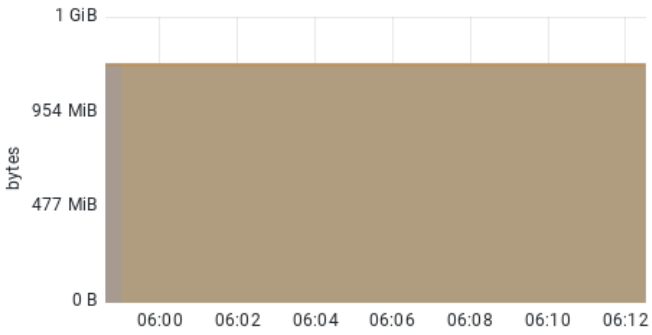
	min	max	avg	current
br-04401872c097 - ARP entries	5	5	5	5
br-fc59d94b94a8 - ARP entries	5	11	10.9	11
ens4 - ARP entries	1	1	1	1

MTU



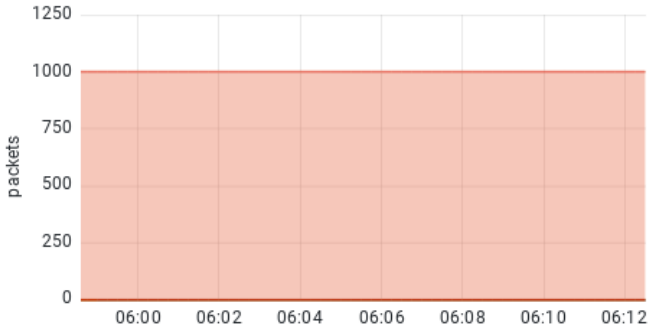
	min	max	avg	current
br-04401872c097 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-fc59d94b94a8 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
ens4 - Bytes	1.4 KiB	1.4 KiB	1.4 KiB	1.4 KiB

Speed



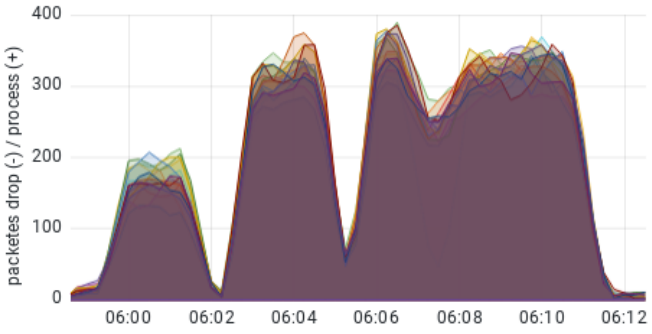
	min	max	avg	current
br-04401872c097 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 Gil
br-fc59d94b94a8 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 Gil
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 Kil
ens4 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 Kil

Queue Length



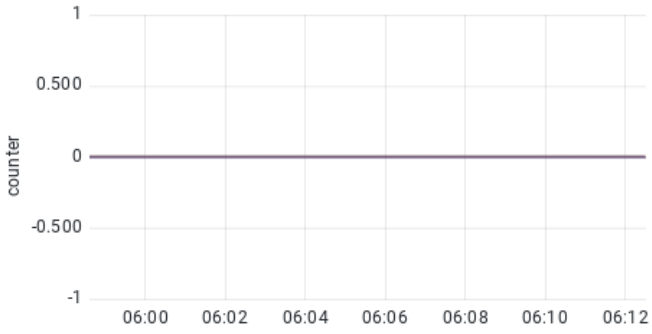
	min	max	a
br-04401872c097 - Interface transmit queue length	0.0	0.0	
br-fc59d94b94a8 - Interface transmit queue length	0.0	0.0	
docker0 - Interface transmit queue length	0.0	0.0	
ens4 - Interface transmit queue length	1000.0	1000.0	100

Softnet Packets



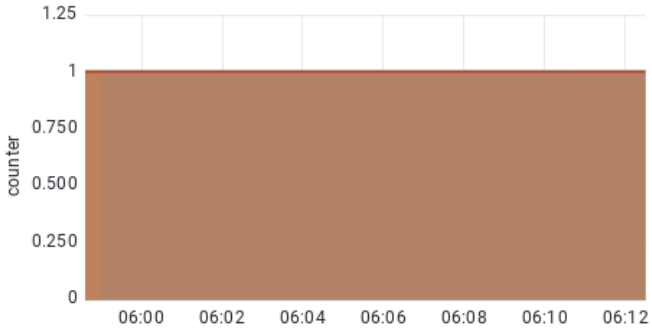
	min	max	avg	current
CPU 0 - Processed	3.73	390	212	10.9
CPU 14 - Processed	2.16	328	183	10.8
CPU 7 - Processed	2.50	345	194	10.7
CPU 2 - Processed	5.66	367	201	9.98

Softnet Out of Quota



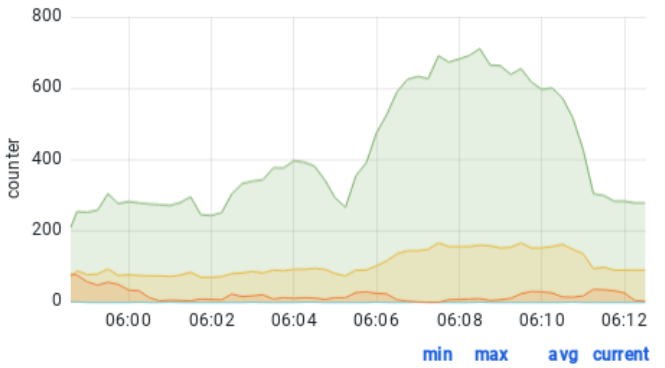
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status



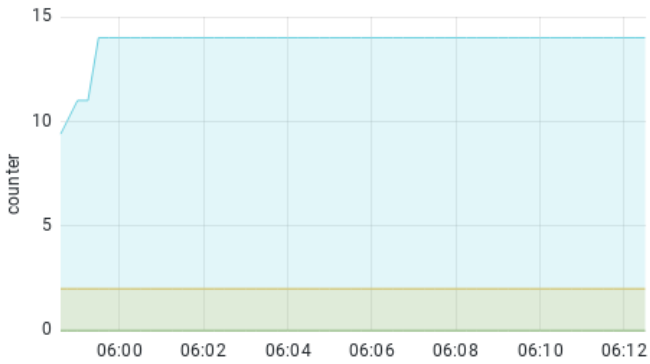
	min	max	avg	current
vethed07ac9 - Physical link state	1	1	1	1
vethe853037 - Physical link state	1	1	1	1
vethe5b122d - Physical link state	1	1	1	1
vethe052fab - Physical link state	1	1	1	1

Sockstat TCP



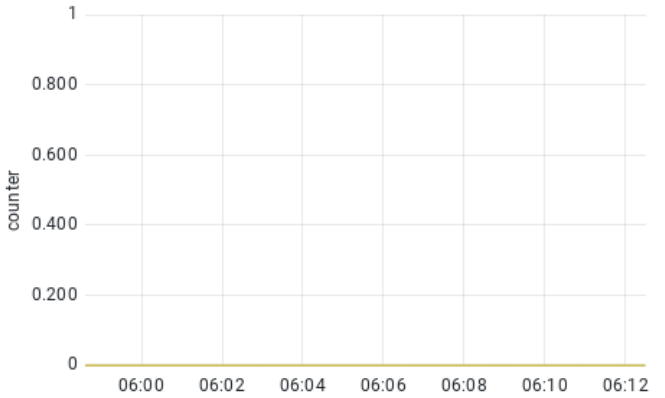
	min	max	avg	current
TCP_alloc - Allocated sockets	181	711	417	279
TCP_inuse - Tcp sockets currently in use	60	167	108	91
TCP_orphan - Orphan sockets	0	2	0.228	0
TCP_tw - Sockets wating close	1	82	20.7	4

Sockstat UDP



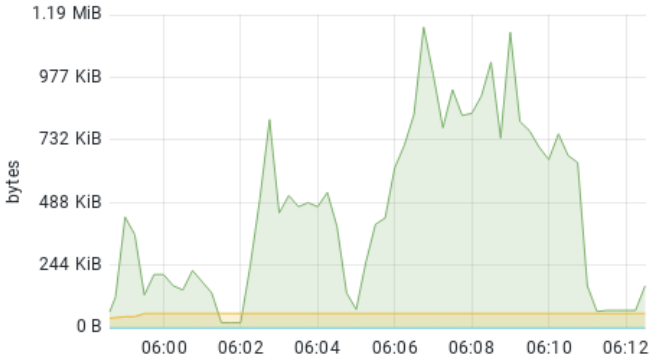
	min	max	avg	current
UDPLITE_inuse - Udplite sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	2	2	2	2
UDP_mem - Used memory for udp	9	14	13.7	14

Sockstat FRAG / RAW



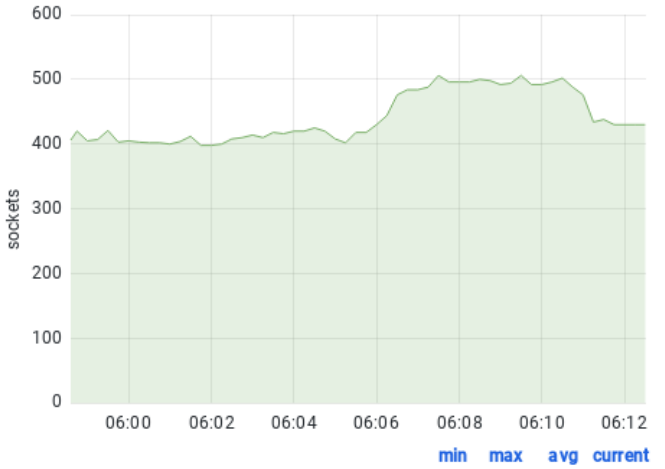
	min	max	avg	current
FRAG_inuse - Frag sockets currently in use	0	0	0	0
RAW_inuse - Raw sockets currently in use	0	0	0	0

Sockstat Memory Size



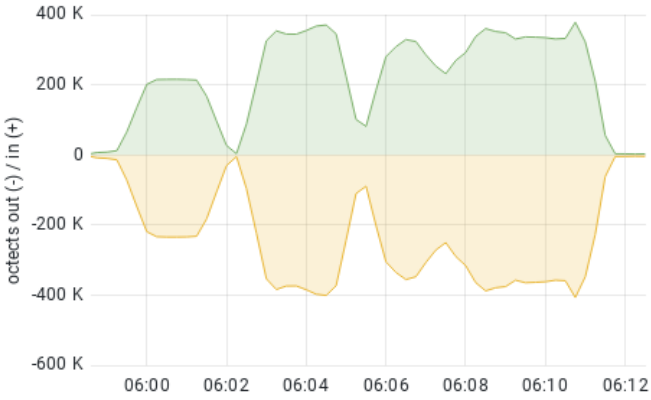
	min	max	avg	curr
mem_bytes - TCP sockets in that state	20 KiB	1.14 MiB	452 KiB	164
mem_bytes - UDP sockets in that state	36 KiB	56 KiB	54.9 KiB	56
FRAG_memory - Used memory for frag	0 B	0 B	0 B	

Sockstat Used



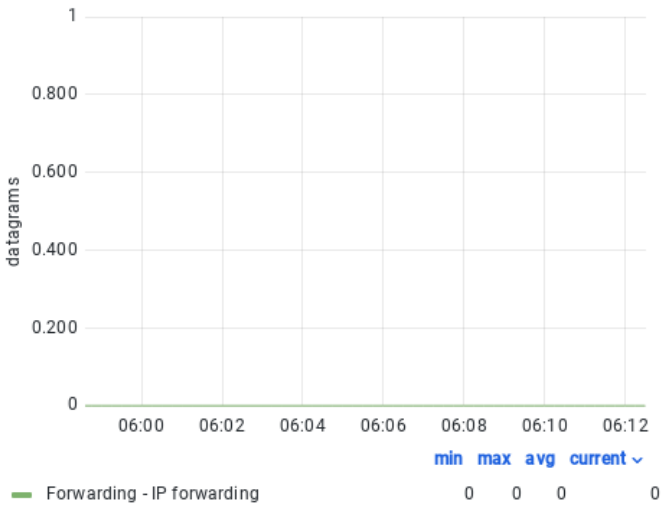
	min	max	avg	current
Sockets_used - Sockets currently in use	397	506	441	430

Netstat IP In / Out Octets



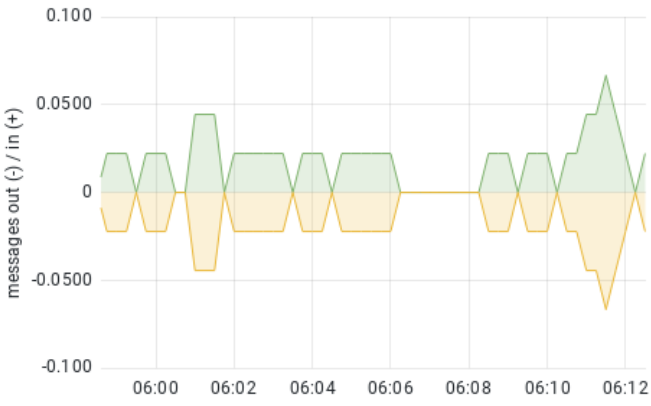
	min	max	avg	current
OutOctets - Sent octets	2.42 K	407 K	236 K	4.21 K
InOctets - Received octets	1.84 K	378 K	218 K	3.17 K

Netstat IP Forwarding



	min	max	avg	current
Forwarding - IP forwarding	0	0	0	0

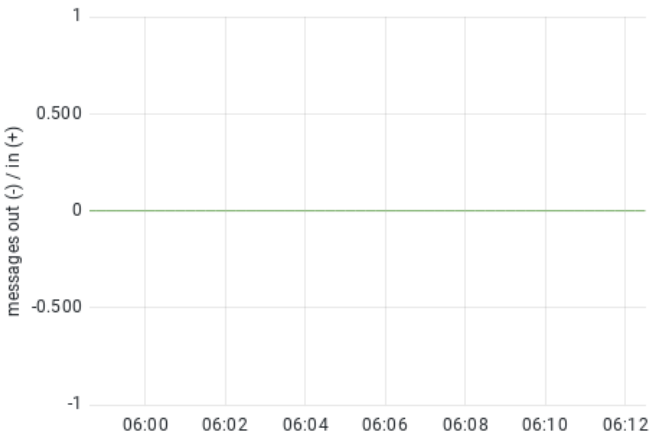
ICMP In / Out



OutMsgs - Messages which this entity attempted to send. Note that this counte

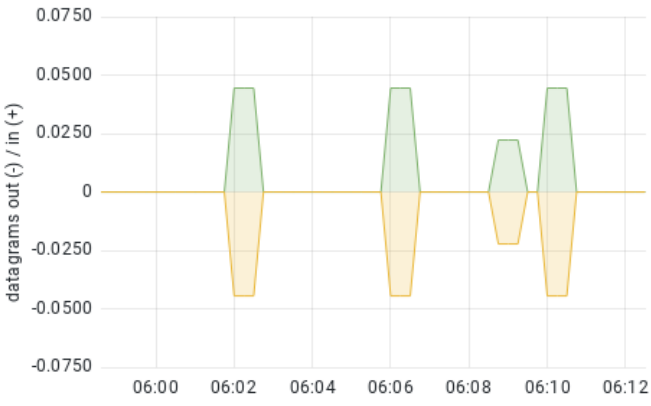
InMsgs - Messages which the entity received. Note that this counter includes al

ICMP Errors



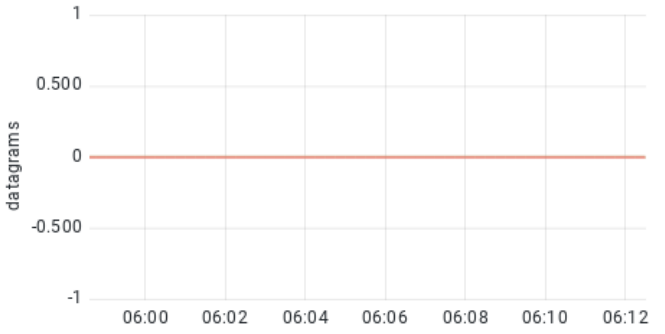
InErrors - Messages which the entity received but determined as having ICMP-s

UDP In / Out



	min	max	avg	current
OutDatagrams - Datagrams sent	0	0.0444	0.00819	0
InDatagrams - Datagrams received	0	0.0444	0.00819	0

UDP Errors



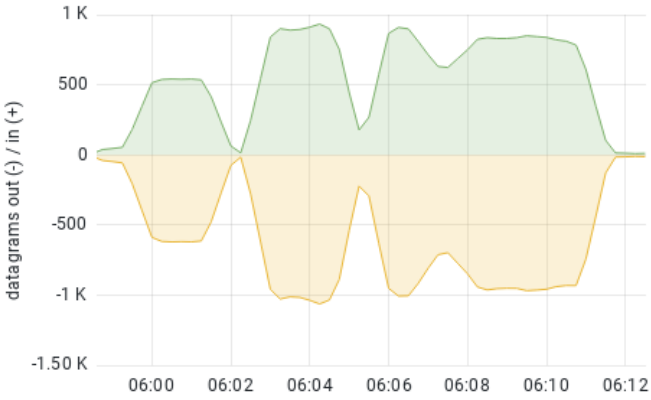
SndbufErrors - UDP buffer errors send

RcvbufErrors - UDP buffer errors received

InErrors Lite - UDPLite Datagrams that could not be delivered to an application

NoPorts - UDP Datagrams received on a port with no listener

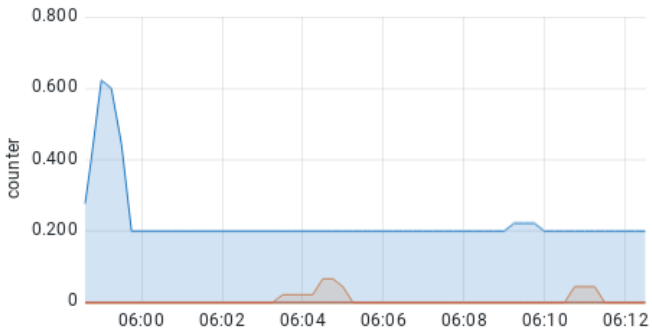
TCP In / Out



OutSegs - Segments sent, including those on current connections but excluding

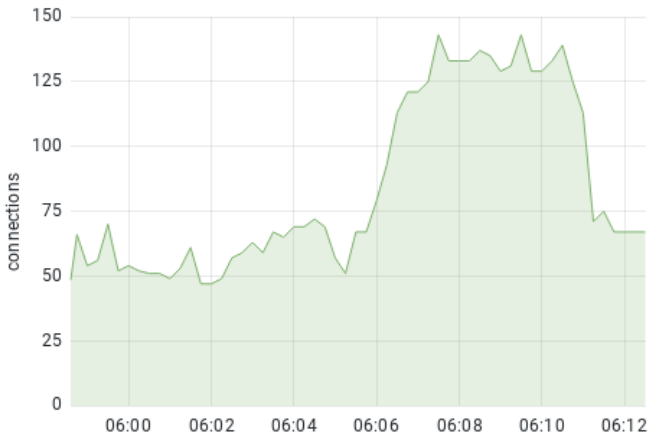
InSegs - Segments received, including those received in error. This count includ

TCP Errors



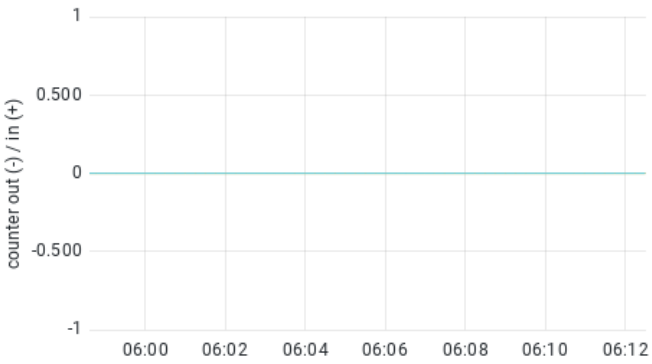
- OutRsts - Segments sent with RST flag
- InErrs - Segments received in error (e.g., bad TCP checksums)
- RetransSegs - Segments retransmitted - that is, the number of TCP segments tr
- TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



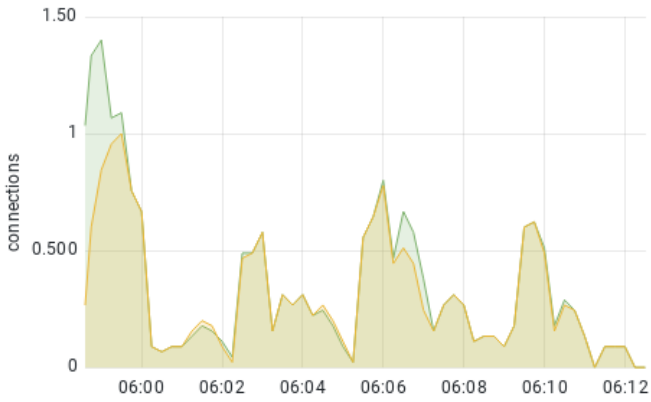
- CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



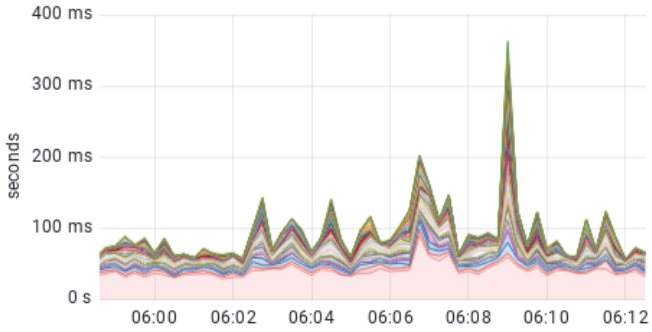
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



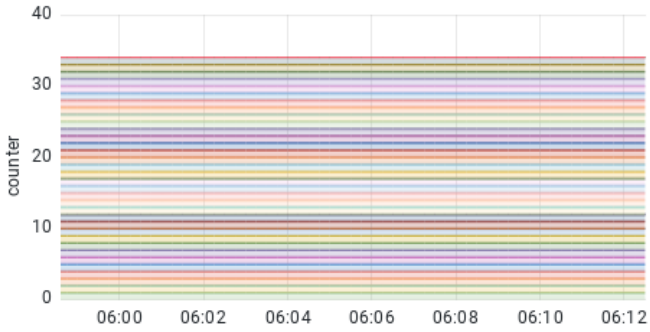
- ActiveOpens - TCP connections that have made a direct transition to the SYN-S
- PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	29.7 ms	90.0 ms	41.1 ms	32.6
thermal_zone - Scrape duration	1.01 ms	11.5 ms	3.69 ms	3.97
cpu - Scrape duration	1.37 ms	14.9 ms	4.68 ms	2.96
filesystem - Scrape duration	993 µs	17.4 ms	3.91 ms	2.65

Node Exporter Scrape



	min	max	avg	current
arp - Scrape success	1	1	1	1
bcache - Scrape success	1	1	1	1
bonding - Scrape success	0	0	0	0
btrfs - Scrape success	1	1	1	1