

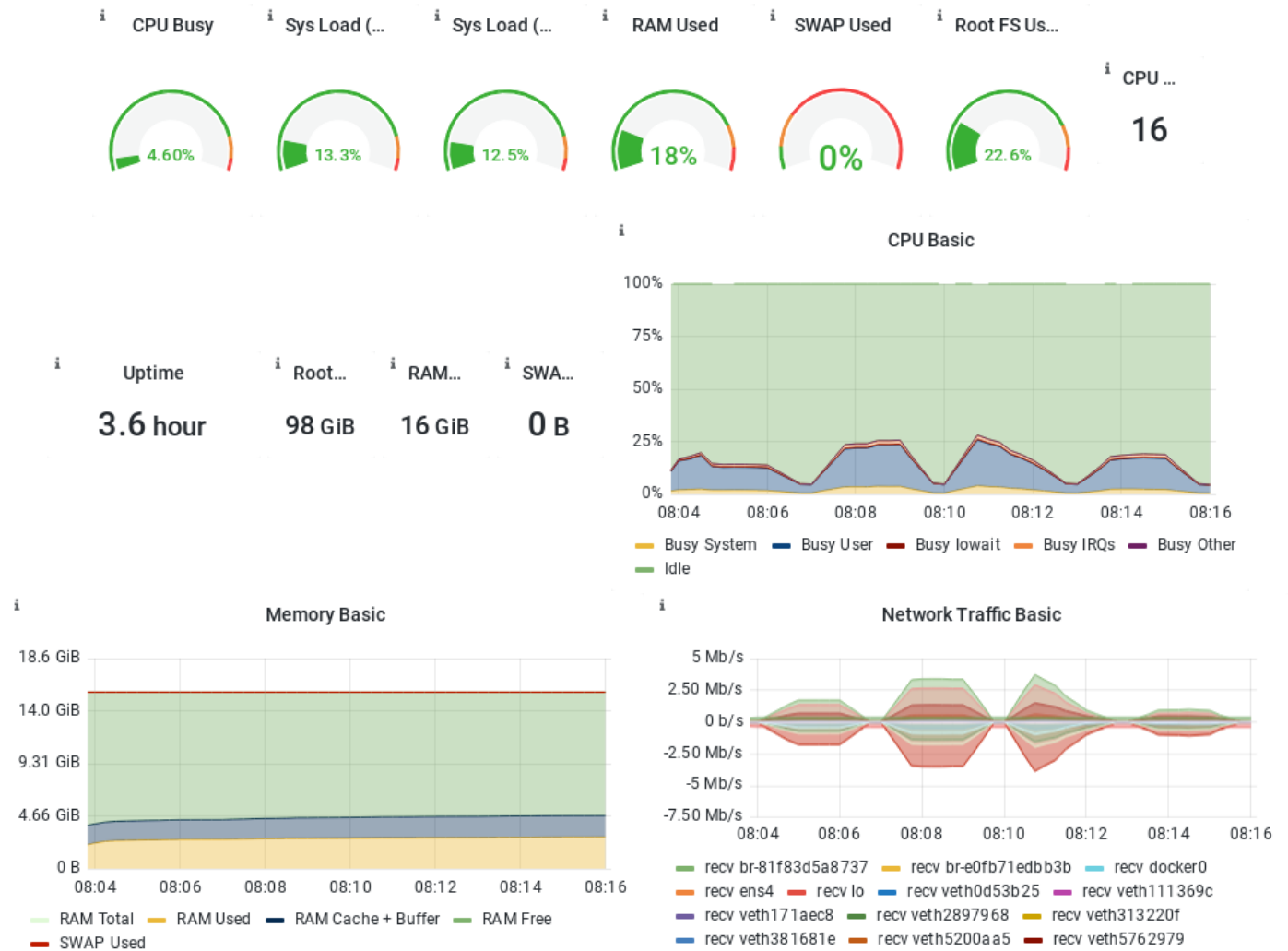
# Host Metrics

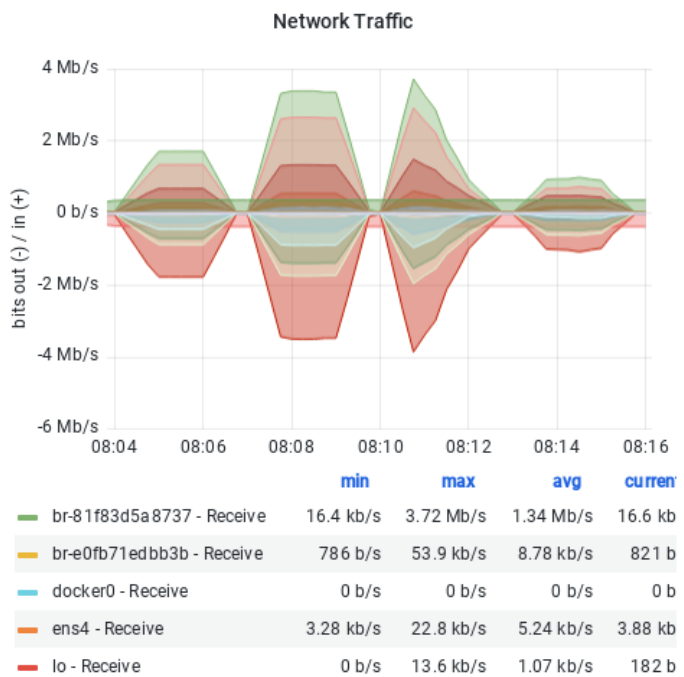
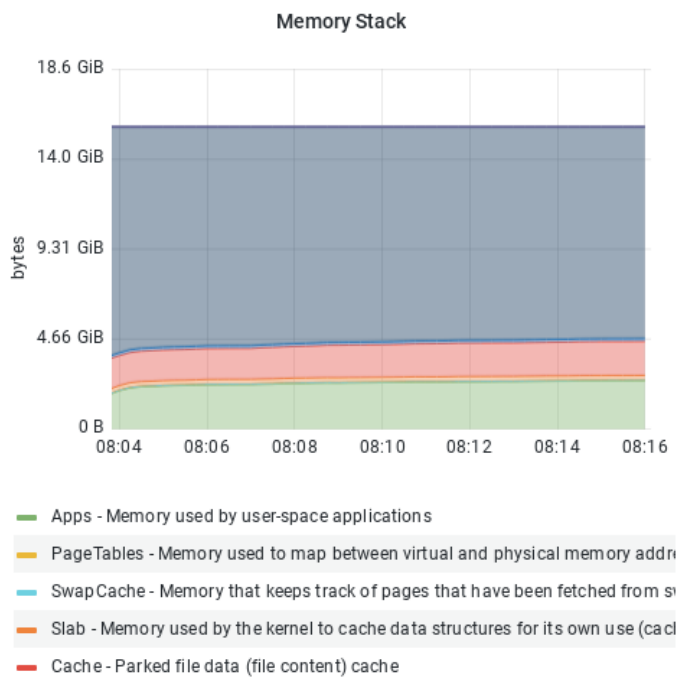
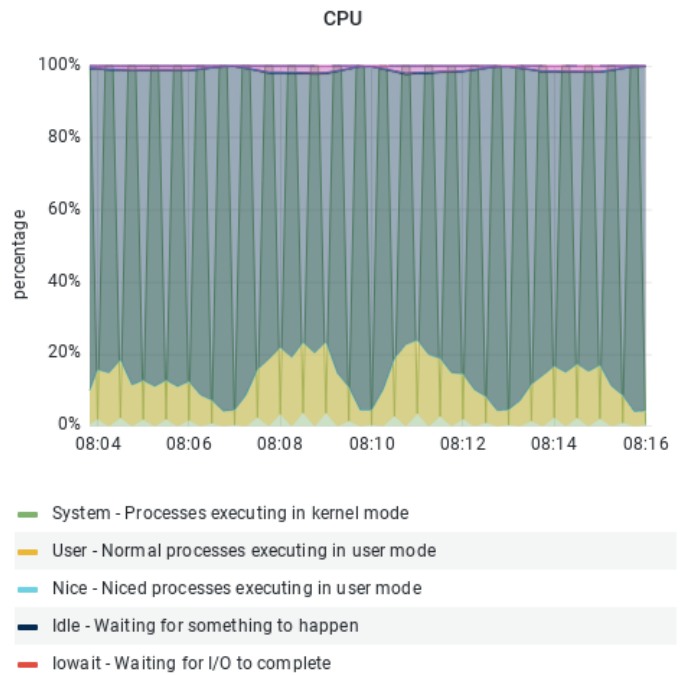
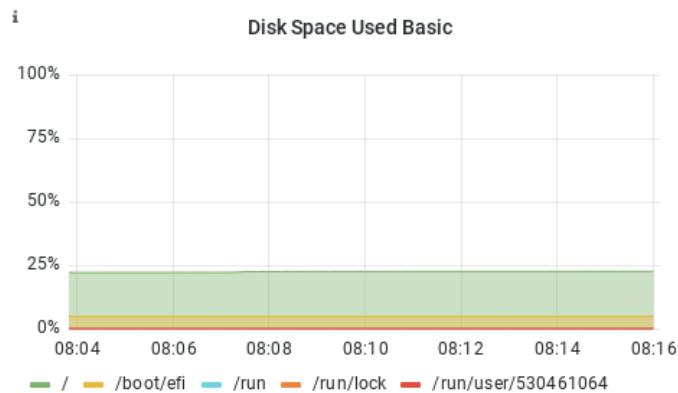
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Wed Oct 19 08:03:49 UTC 2022

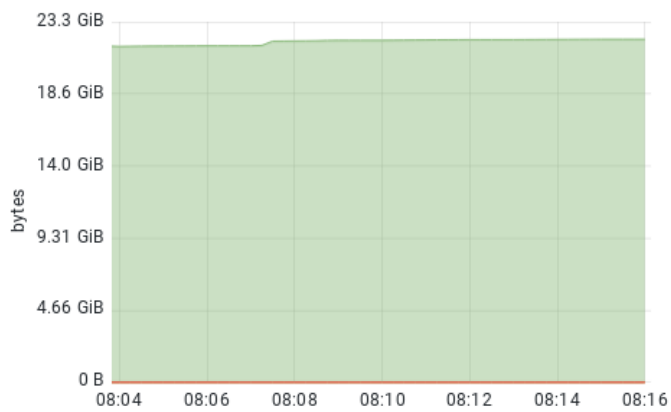
to

Wed Oct 19 08:16:08 UTC 2022



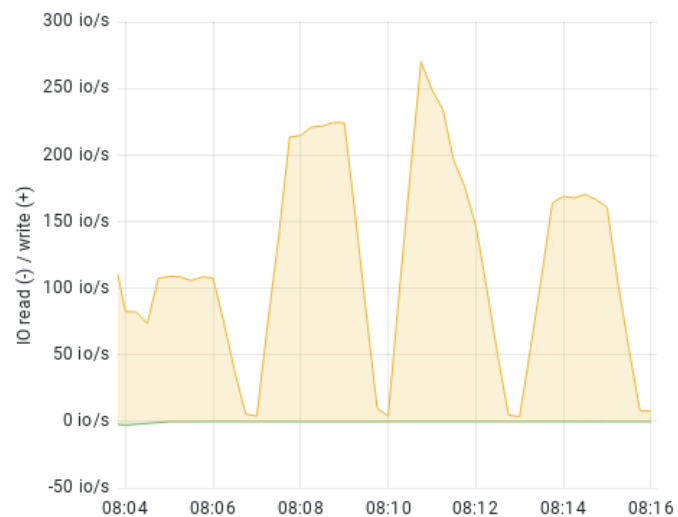


Disk Space Used



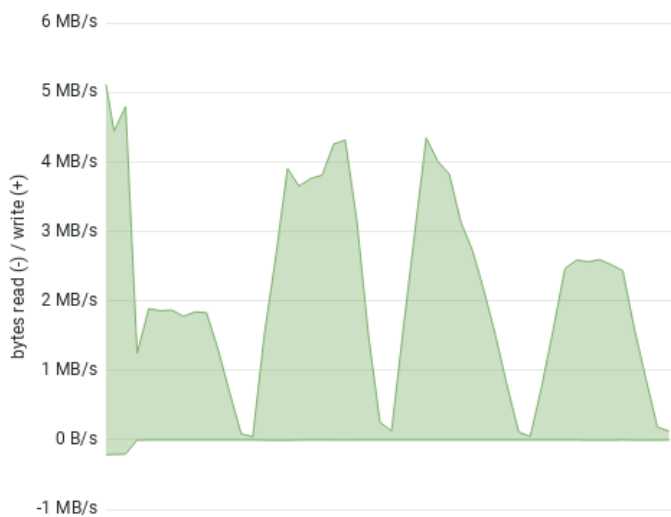
	min	max	avg	current ^
/run/lock	0.000 B	0.000 B	0.000 B	0.000 B
/run/user/530461064	0.000 B	0.000 B	0.000 B	0.000 B
/run	2.223 MiB	2.223 MiB	2.223 MiB	2.223 MiB
/boot/efi	5.898 MiB	5.898 MiB	5.898 MiB	5.898 MiB
/	21.681 GiB	22.150 GiB	21.989 GiB	22.150 GiB

Disk IOps



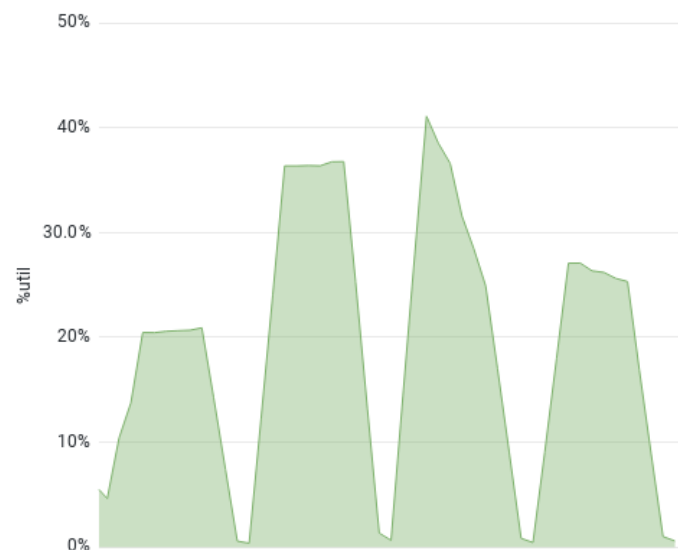
	min	max	avg	current
sda - Reads completed	0 io/s	2.65 io/s	0.210 io/s	0.0167 io/s
sda - Writes completed	3.71 io/s	270 io/s	119 io/s	7.98 io/s

I/O Usage Read / Write



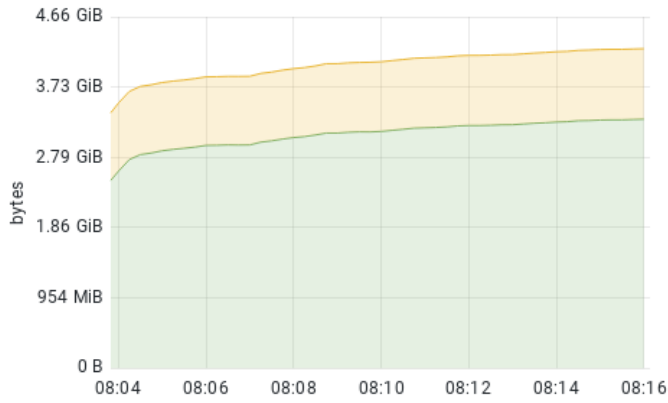
	min	max	avg
sda - Successfully read bytes	0.000 B/s	211.991 kB/s	13.278 kB/s
sda - Successfully written bytes	47.241 kB/s	5.407 MB/s	2.190 MB/s

I/O Utilization



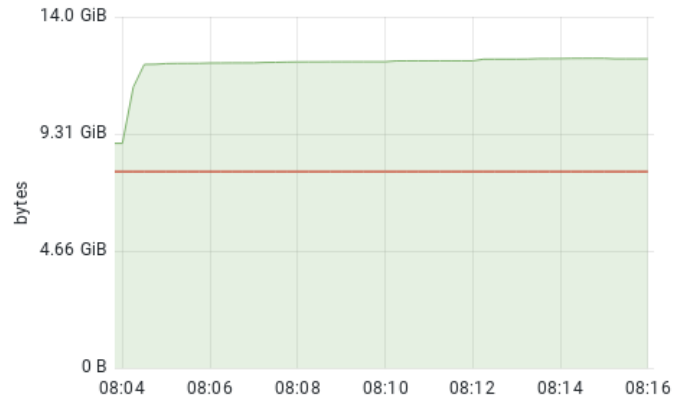
	min	max	avg	current
sda	0.364%	41.084%	19.180%	0.578%

Memory Active / Inactive



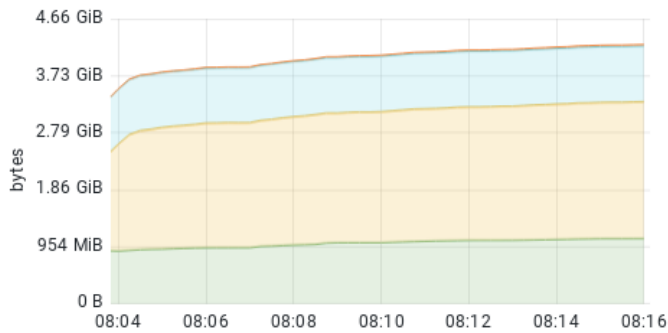
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



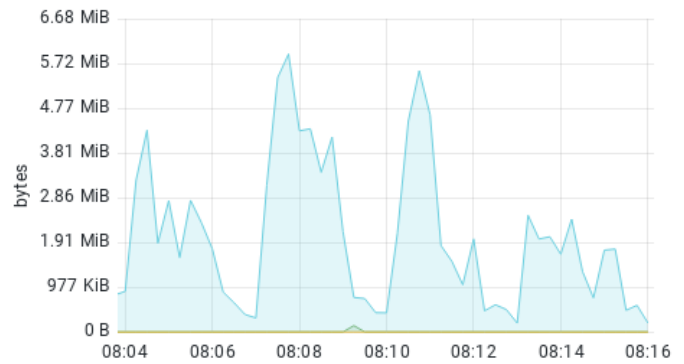
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



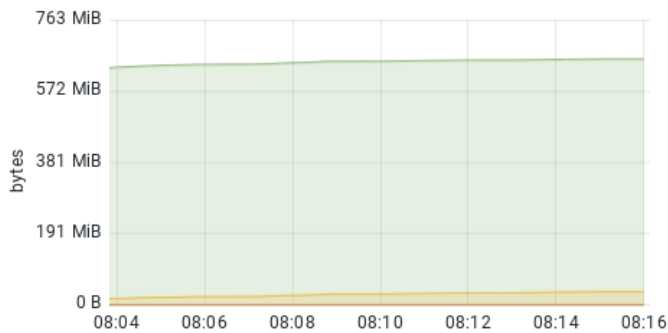
— Inactive\_file - File-backed memory on inactive LRU list  
 — Inactive\_anon - Anonymous and swap cache on inactive LRU list, including tmp  
 — Active\_file - File-backed memory on active LRU list  
 — Active\_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



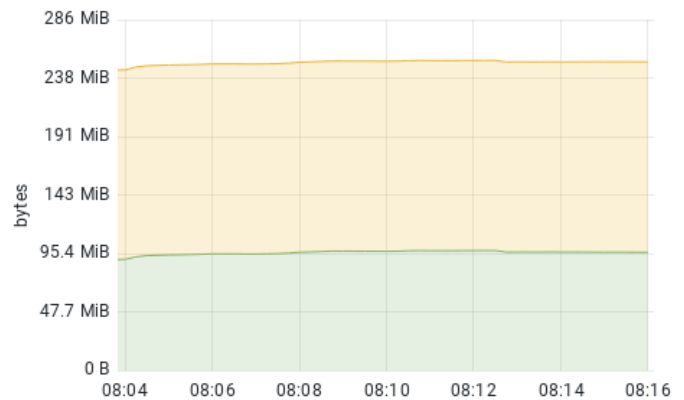
— Writeback - Memory which is actively being written back to disk  
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers  
 — Dirty - Memory which is waiting to get written back to the disk 192.

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

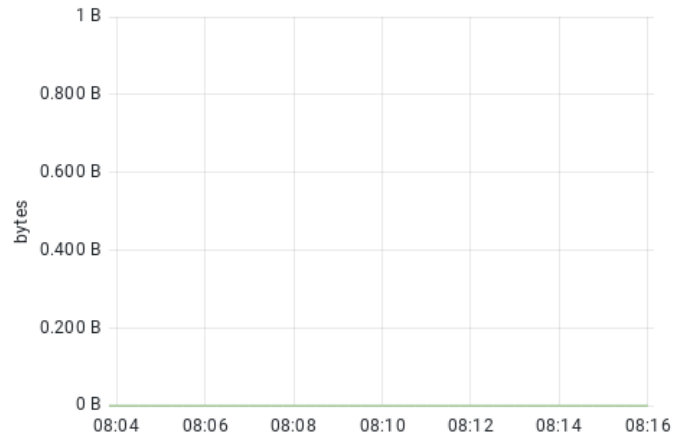


— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 9  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches 15

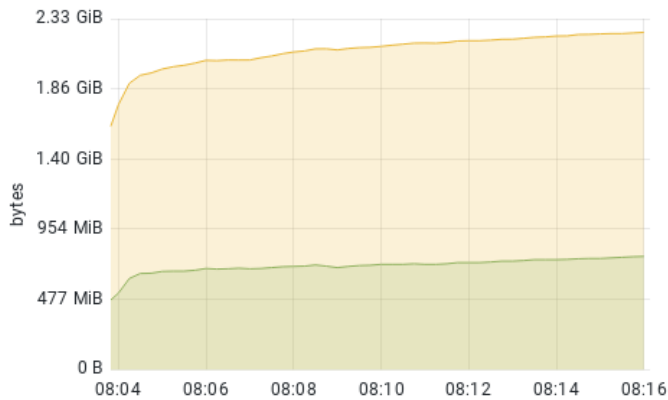
Memory Vmalloc



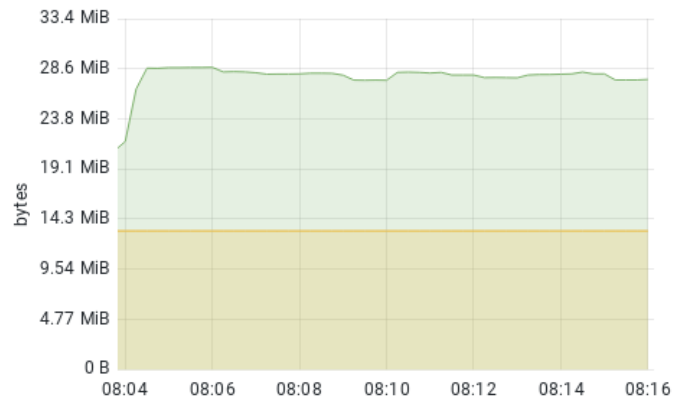
Memory Bounce



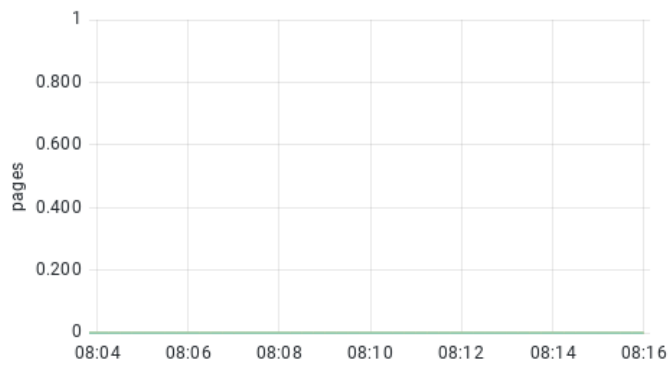
Memory Anonymous



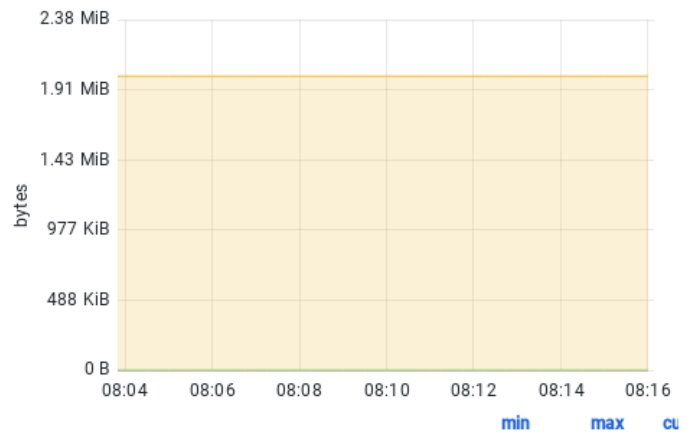
Memory Kernel / CPU



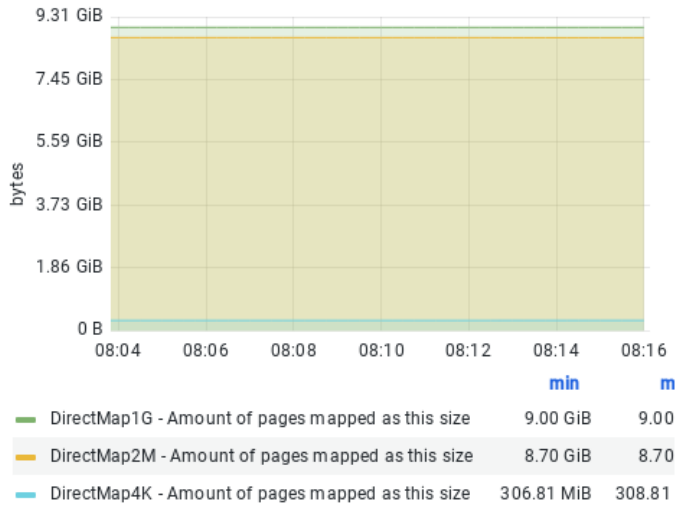
Memory HugePages Counter



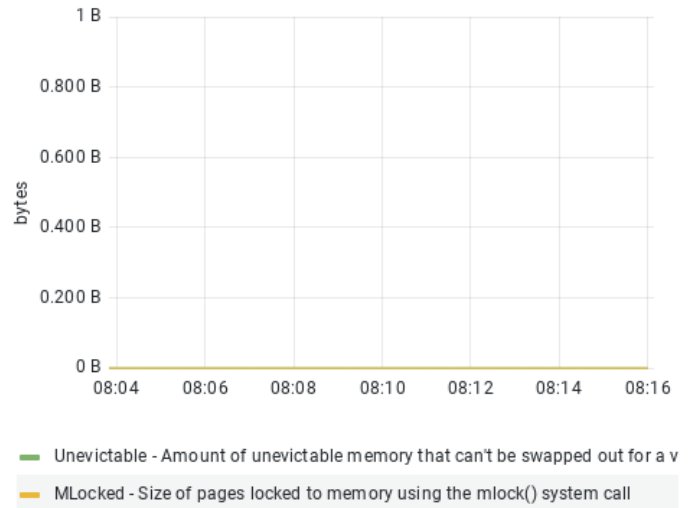
Memory HugePages Size



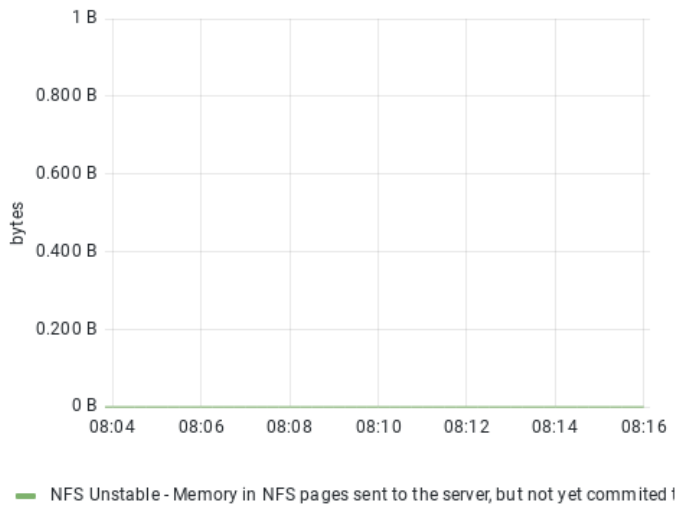
Memory DirectMap



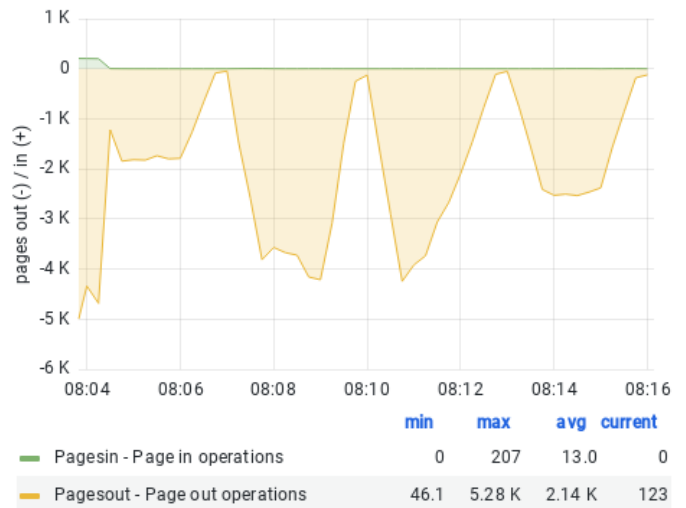
Memory Unevictable and MLocked



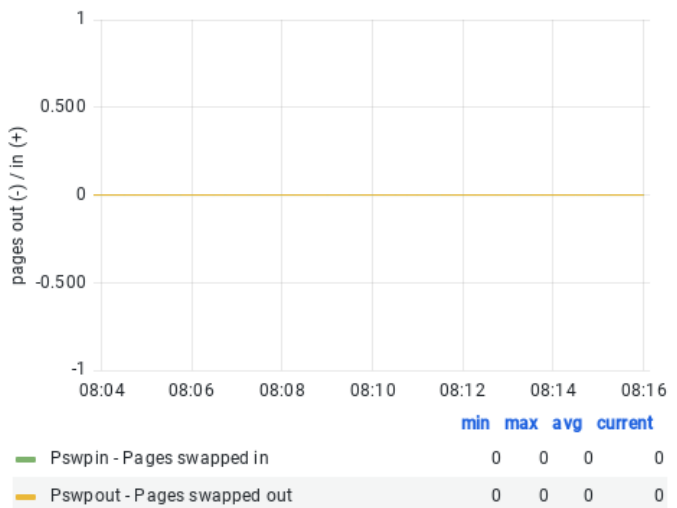
Memory NFS



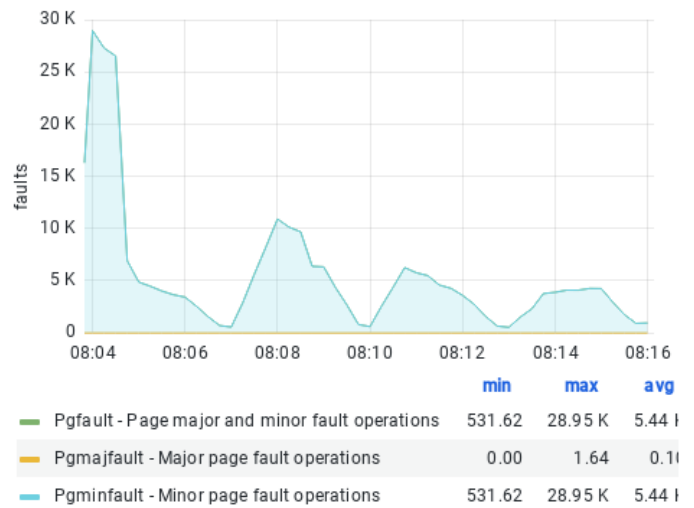
Memory Pages In / Out



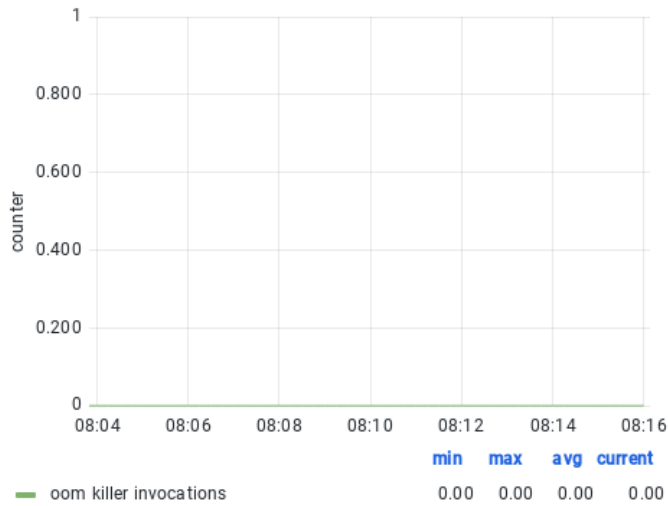
Memory Pages Swap In / Out



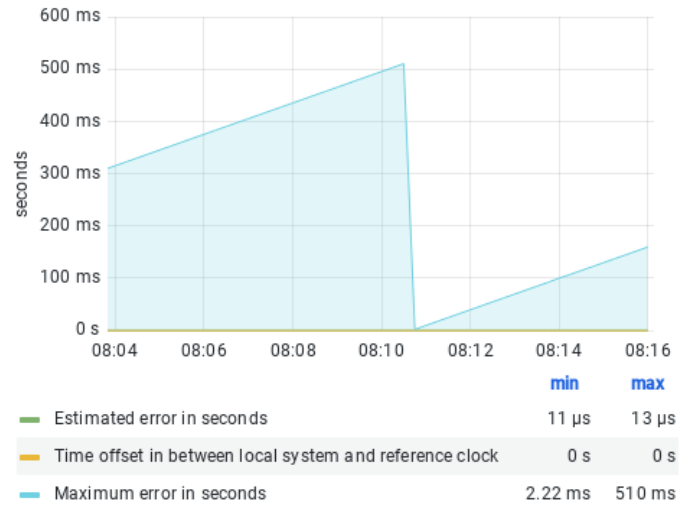
Memory Page Faults



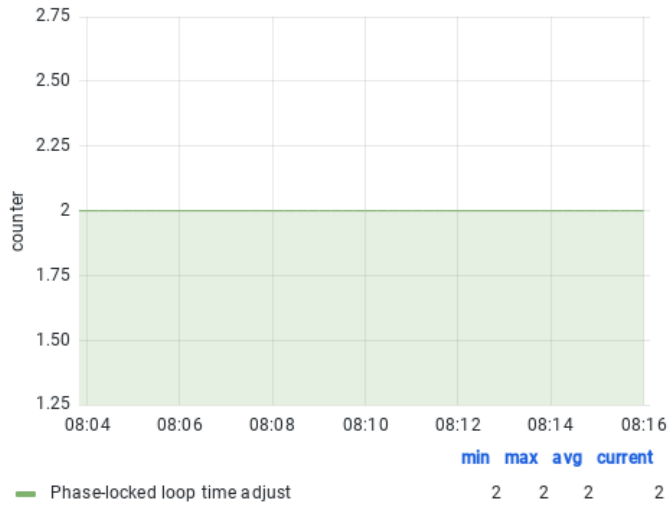
OOM Killer



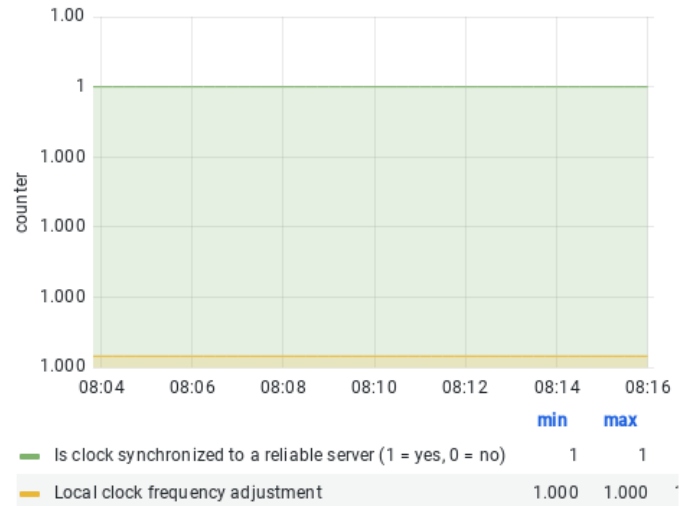
Time Synchronized Drift



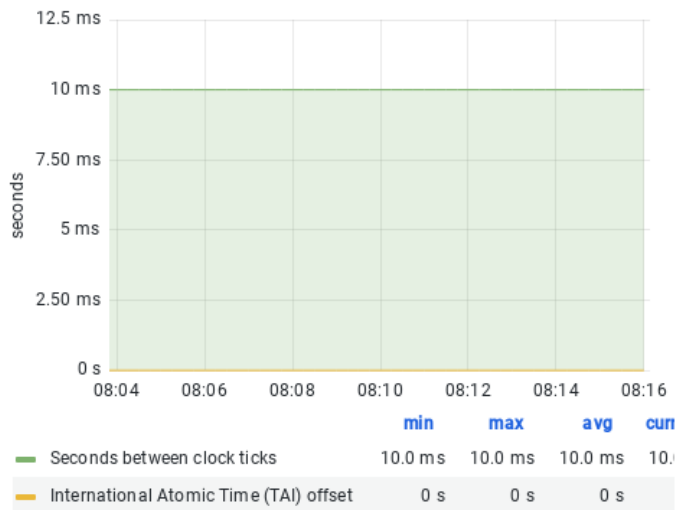
Time PLL Adjust



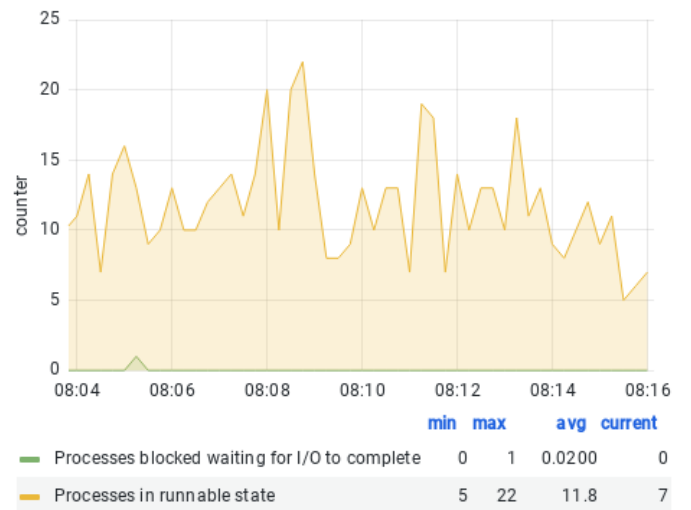
Time Synchronized Status



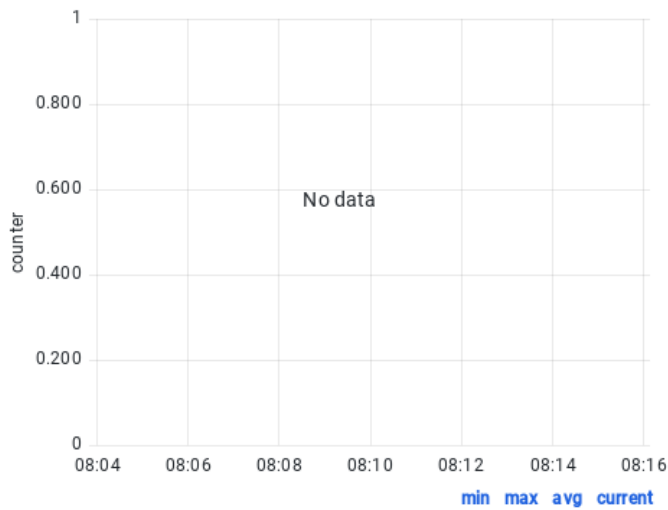
Time Misc



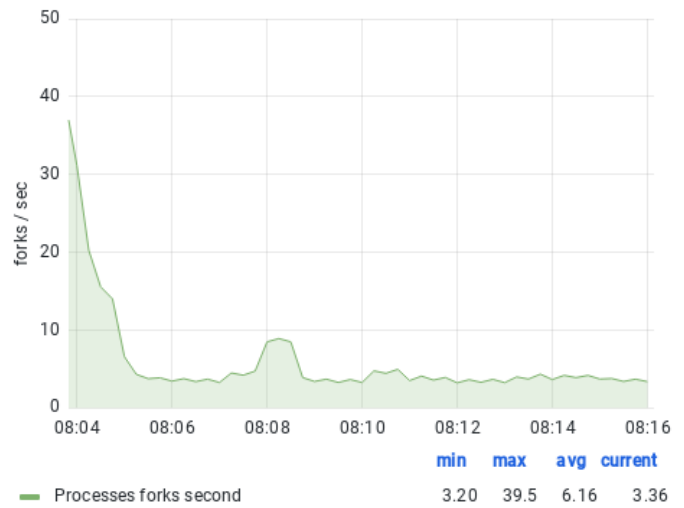
Processes Status



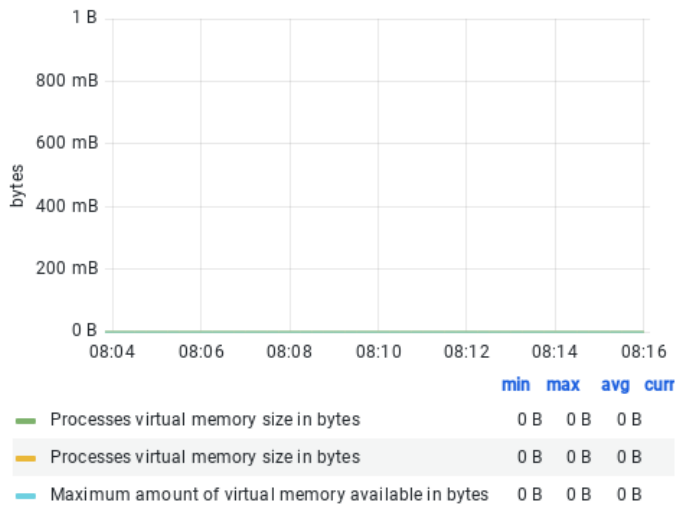
Processes State



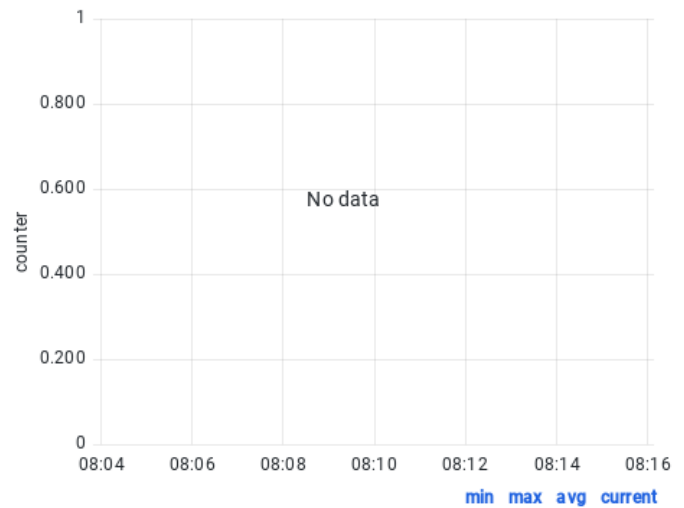
Processes Forks



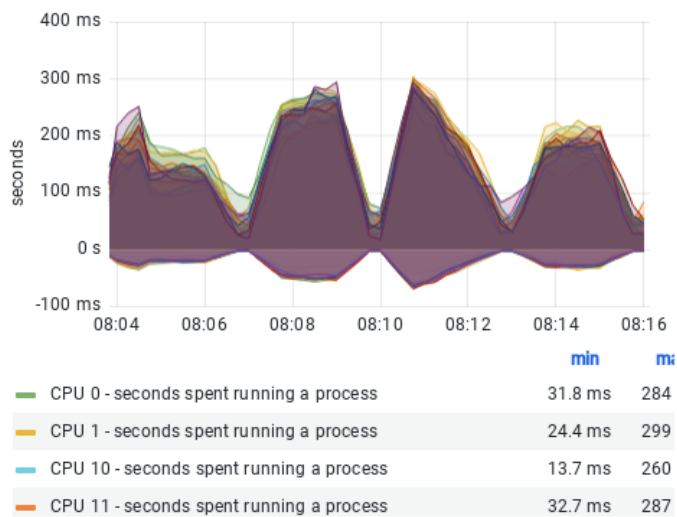
Processes Memory



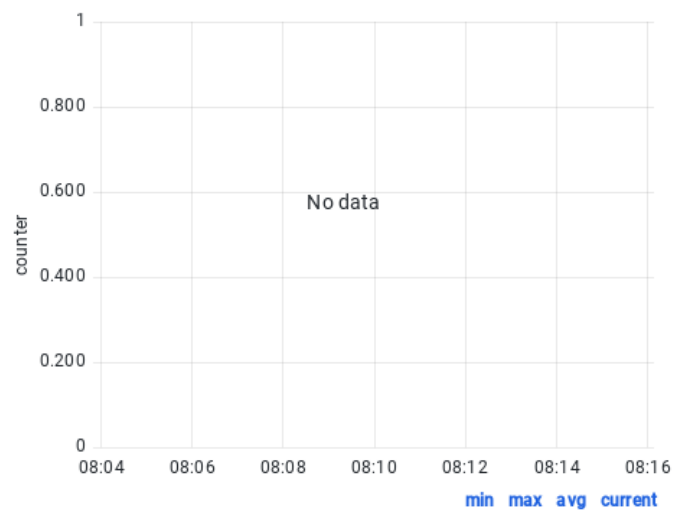
PIDs Number and Limit



Process schedule stats Running / Waiting

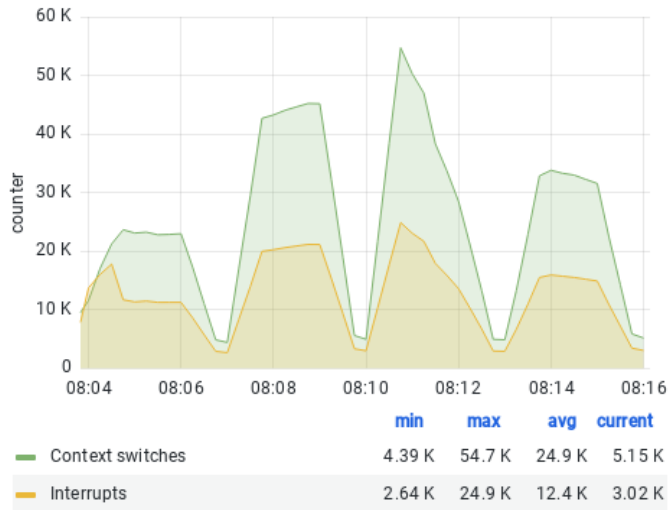


Threads Number and Limit

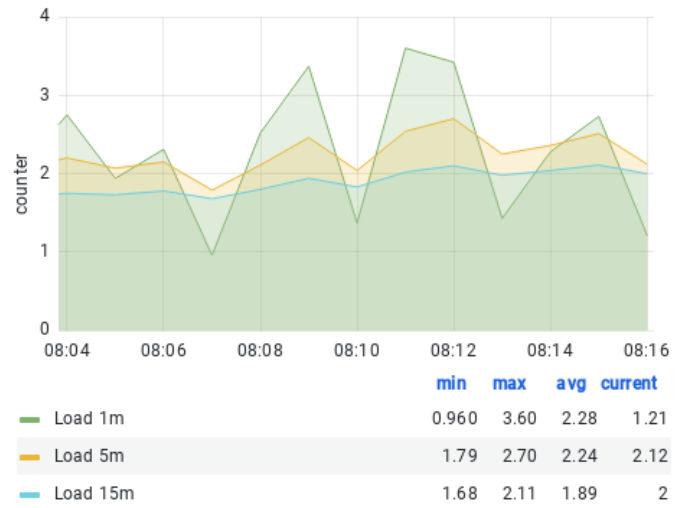




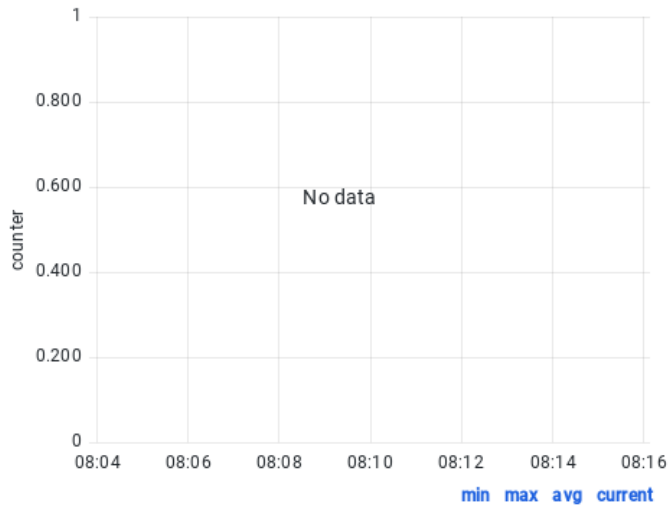
Context Switches / Interrupts



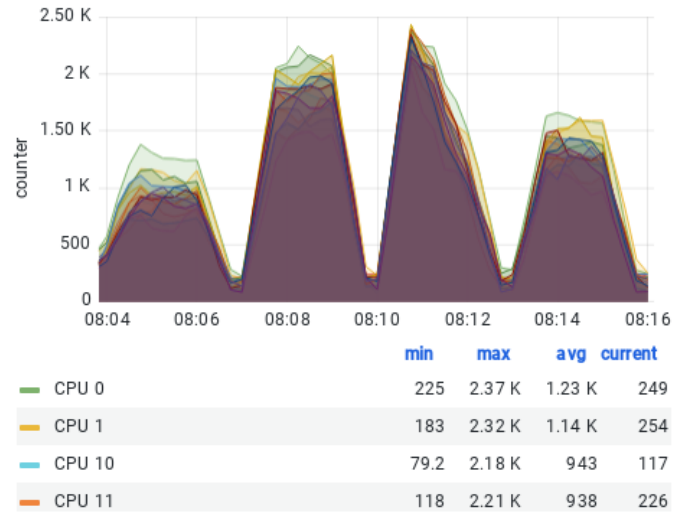
System Load



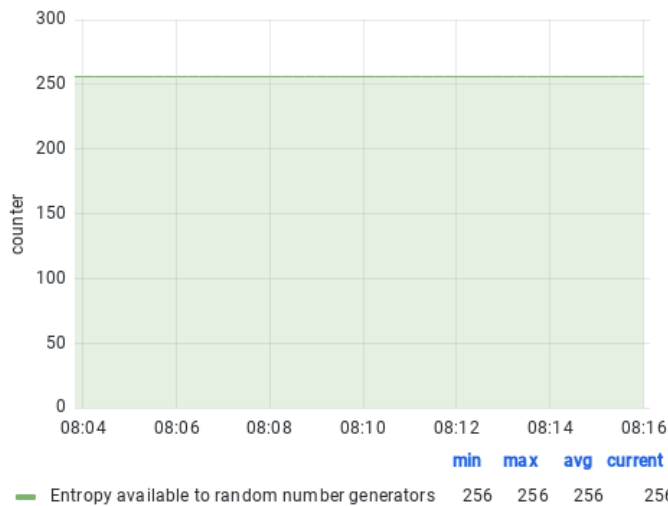
Interrupts Detail



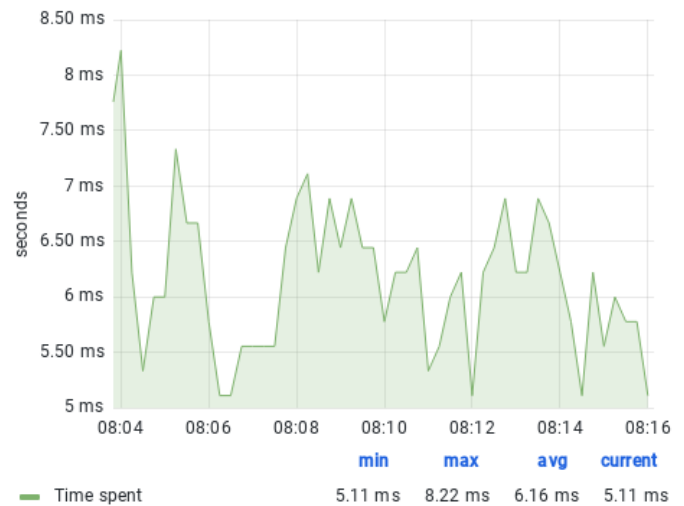
Schedule timeslices executed by each cpu



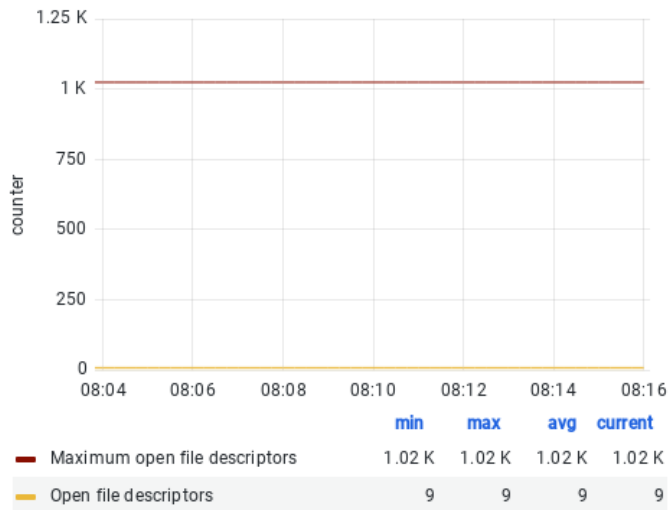
Entropy



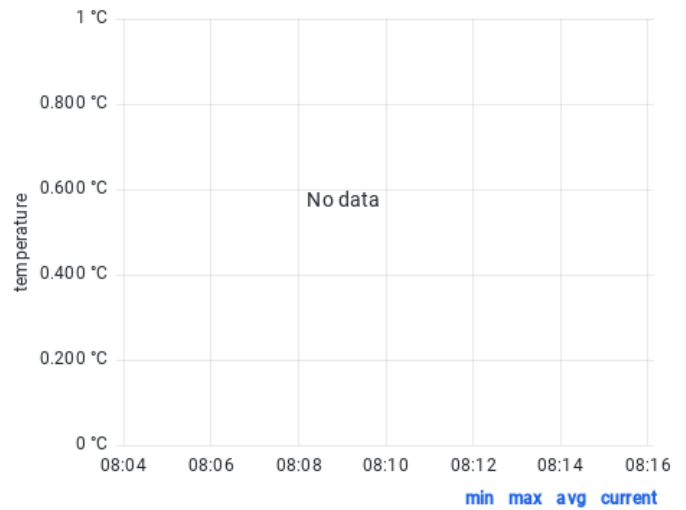
CPU time spent in user and system contexts



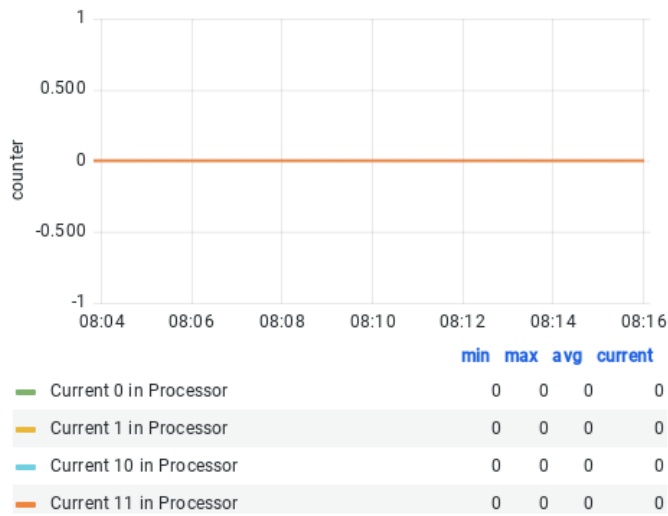
File Descriptors



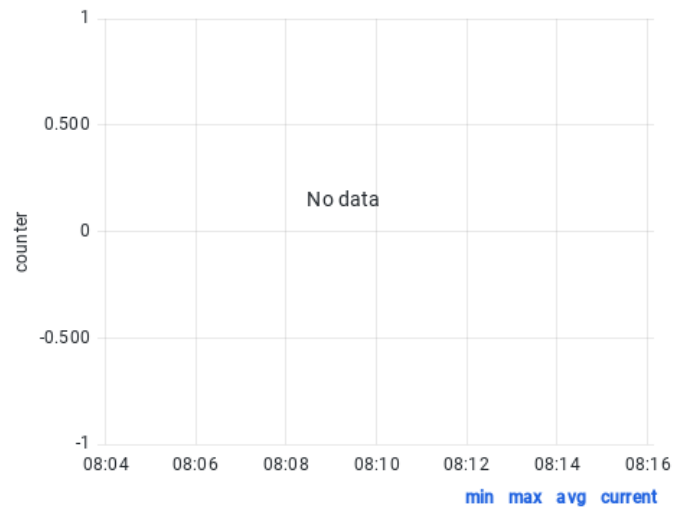
Hardware temperature monitor



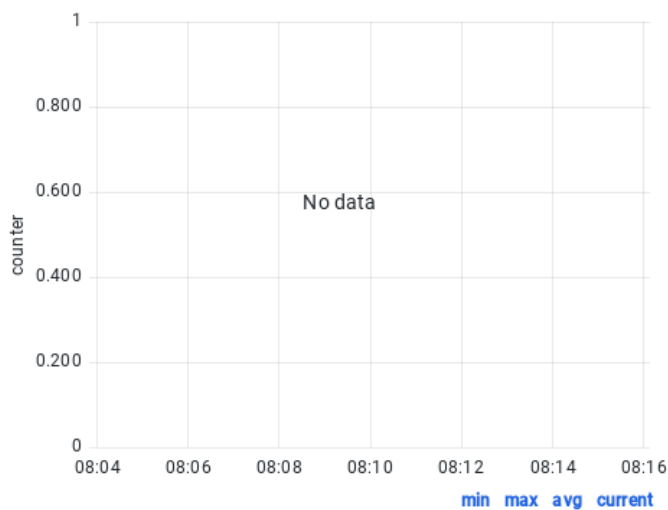
Throttle cooling device



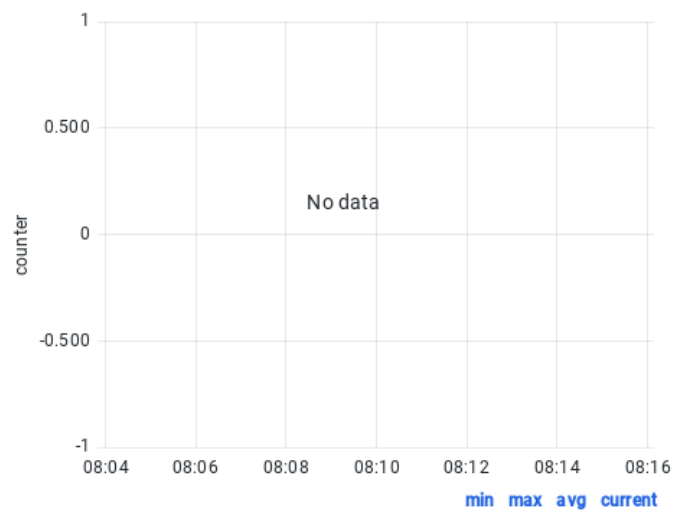
Power supply

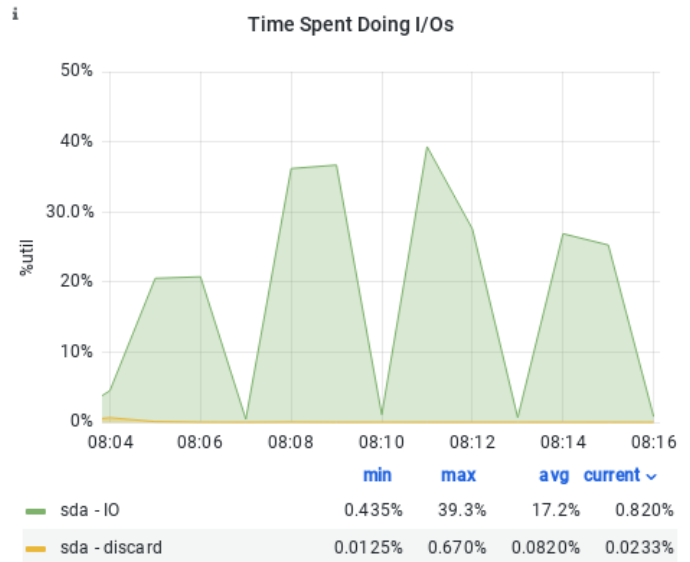
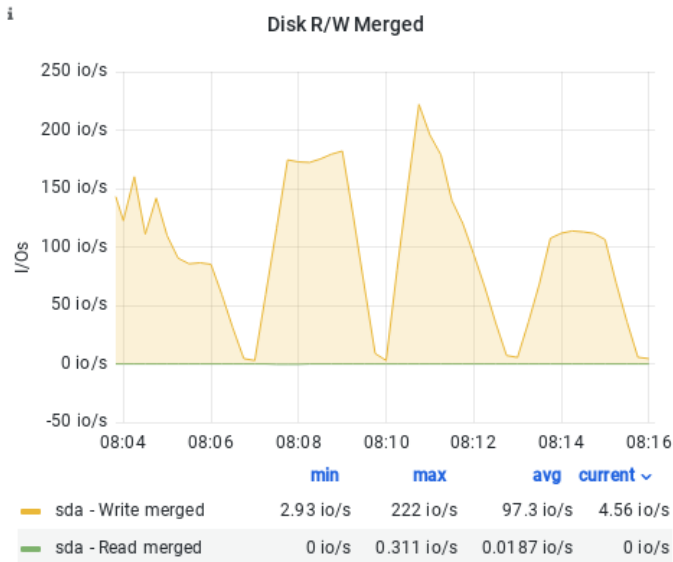
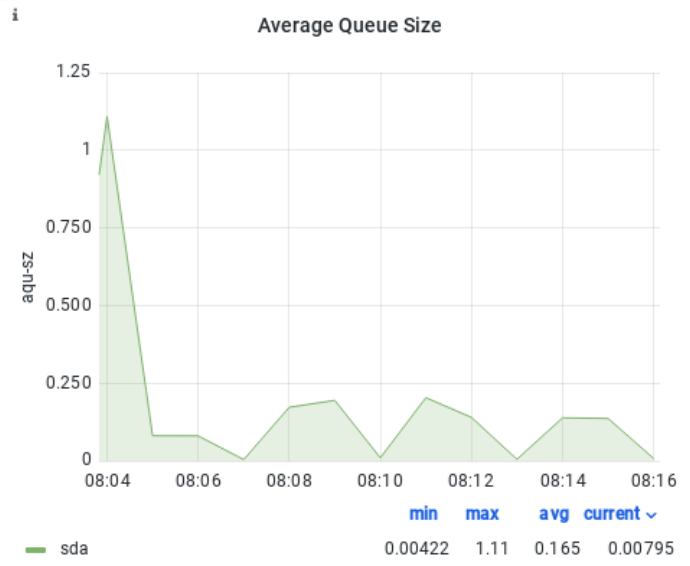
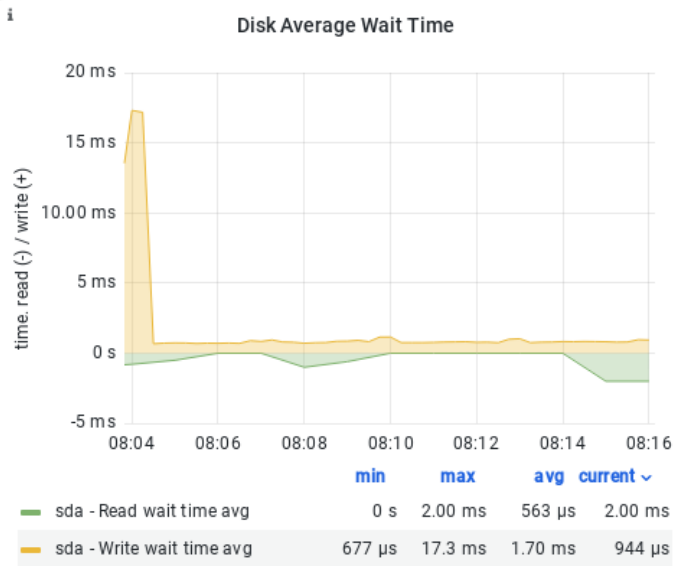
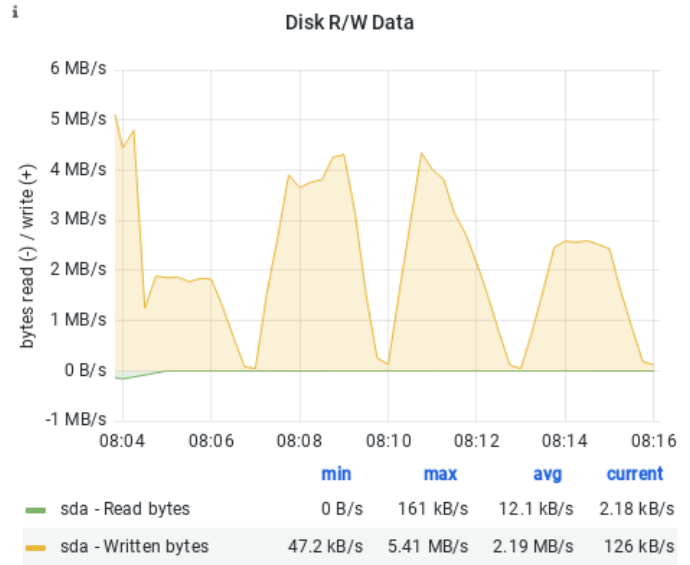
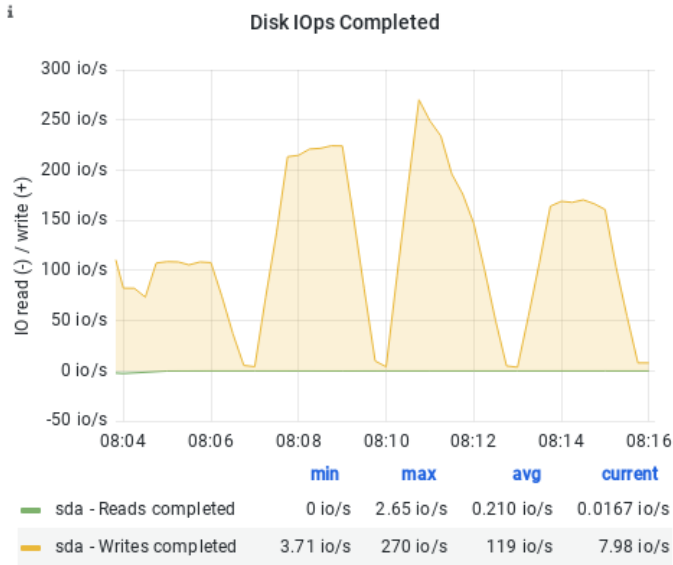


Systemd Sockets



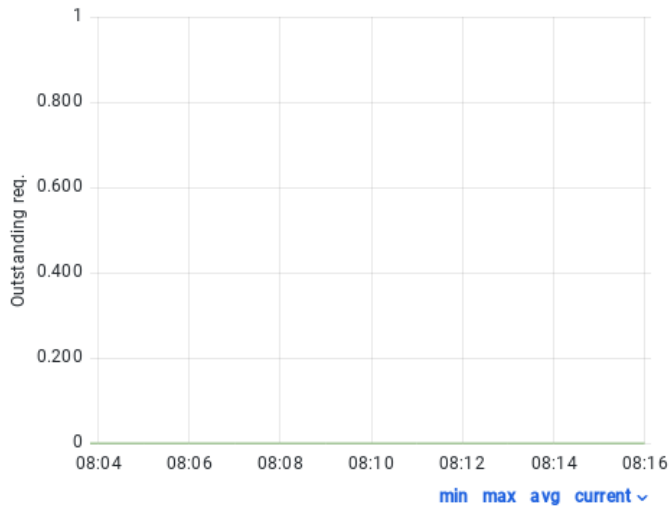
Systemd Units State



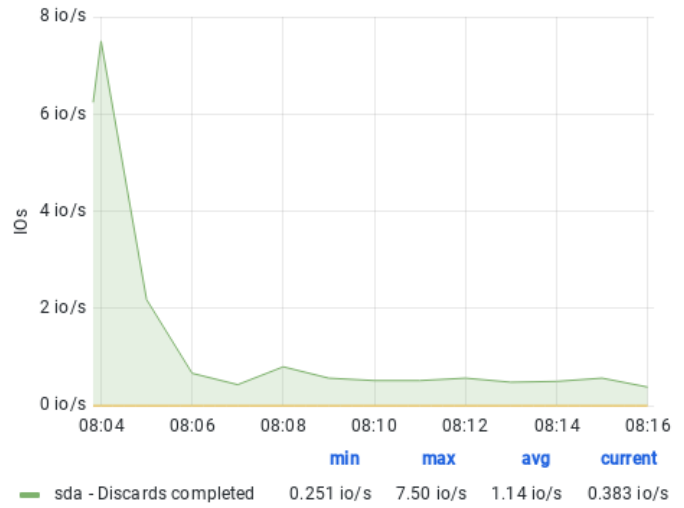


i

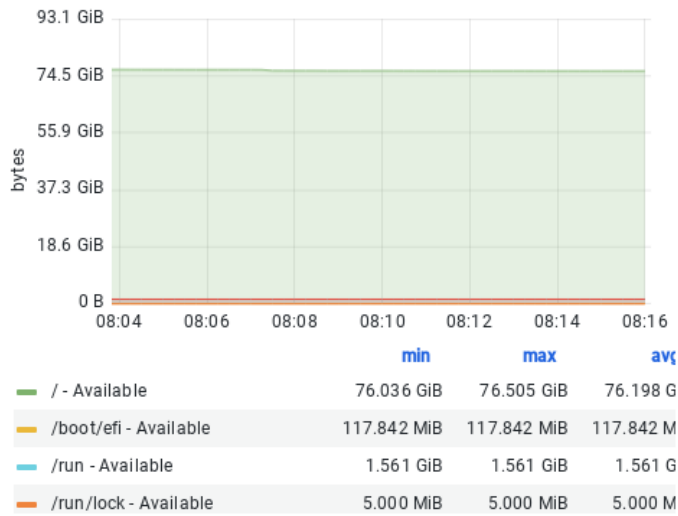
Instantaneous Queue Size



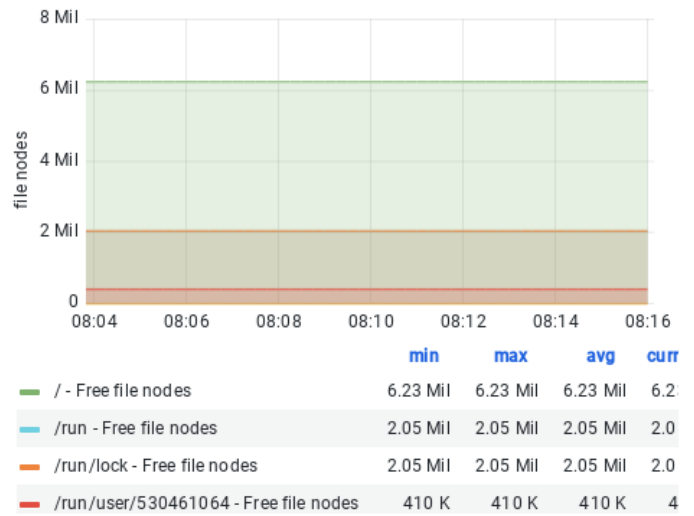
Disk IOps Discards completed / merged



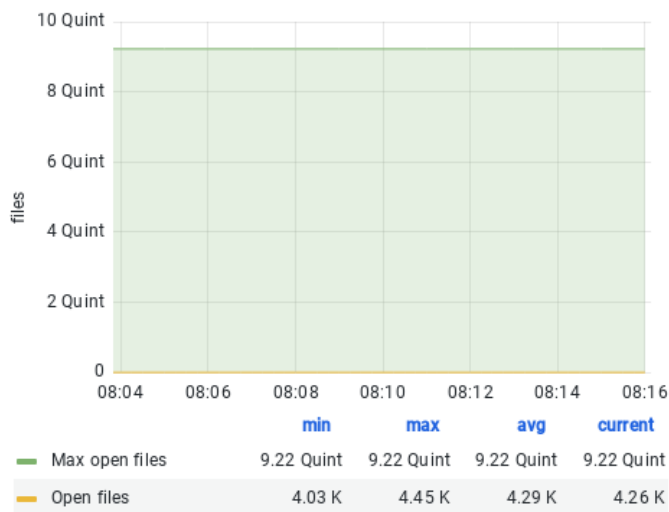
Filesystem space available



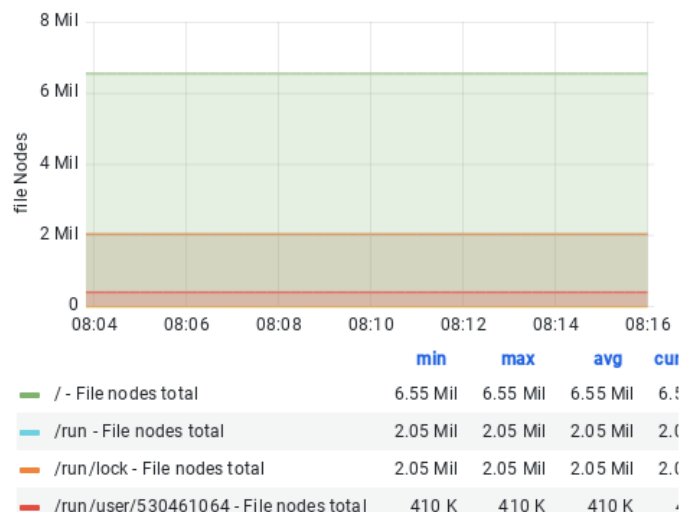
File Nodes Free



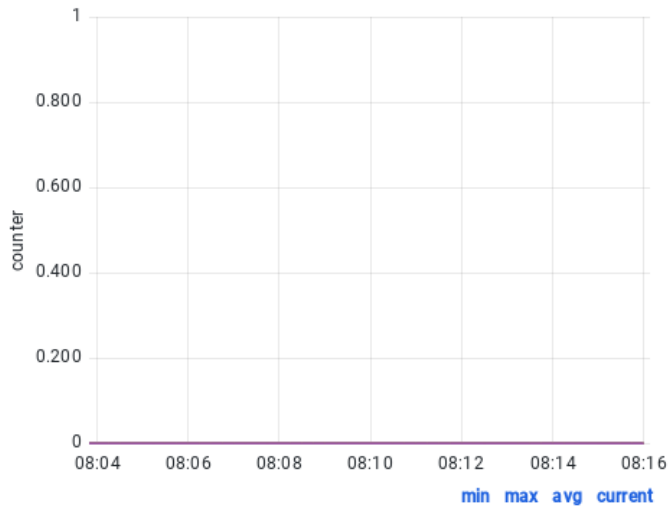
File Descriptor



File Nodes Size



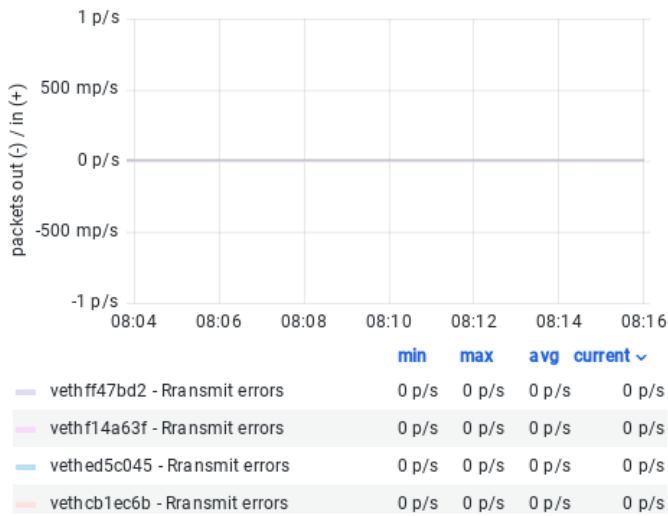
Filesystem in ReadOnly / Error



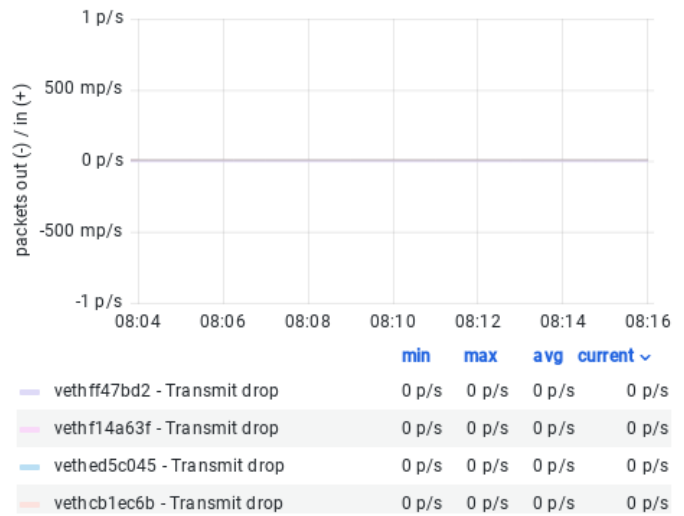
Network Traffic by Packets



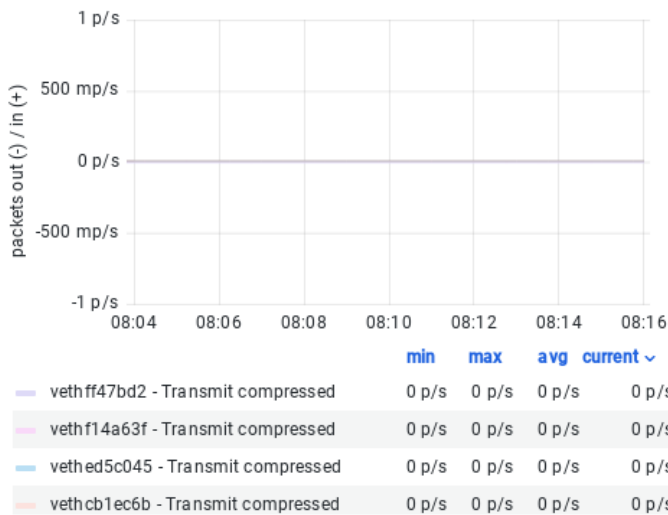
Network Traffic Errors



Network Traffic Drop



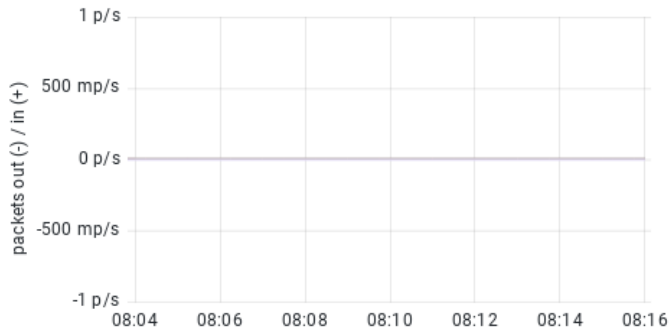
Network Traffic Compressed



Network Traffic Multicast

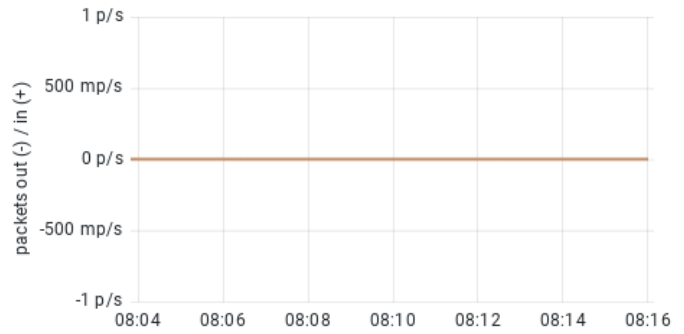


Network Traffic Fifo



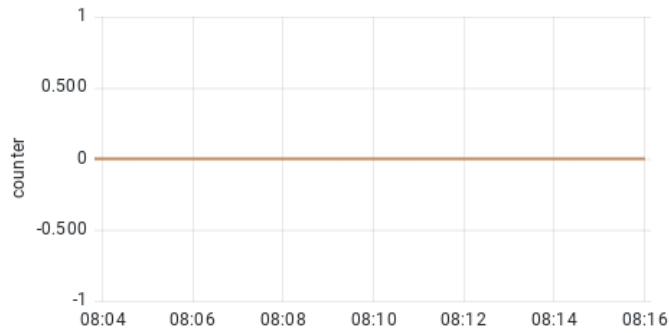
	min	max	avg	current
vethff47bd2 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf14a63f - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethed5c045 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethcb1ec6b - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



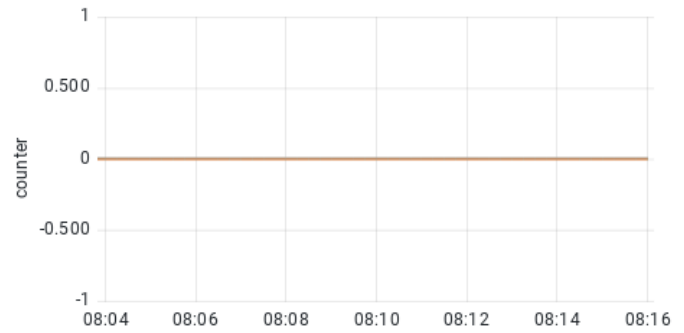
	min	max	avg	current
vethff47bd2 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf14a63f - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethed5c045 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethcb1ec6b - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



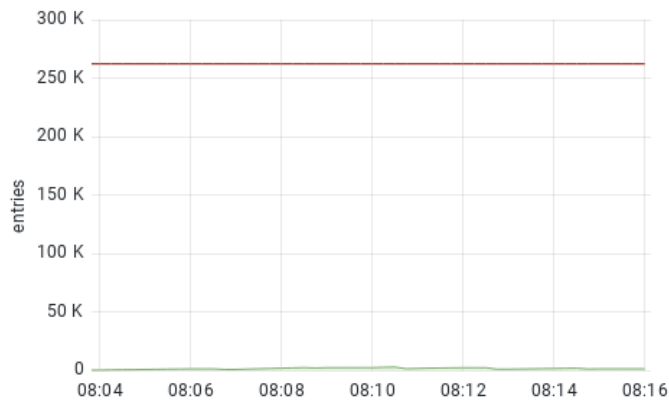
	min	max	avg	current
vethff47bd2 - Statistic transmit_carrier	0	0	0	0
vethf14a63f - Statistic transmit_carrier	0	0	0	0
vethed5c045 - Statistic transmit_carrier	0	0	0	0
vethcb1ec6b - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



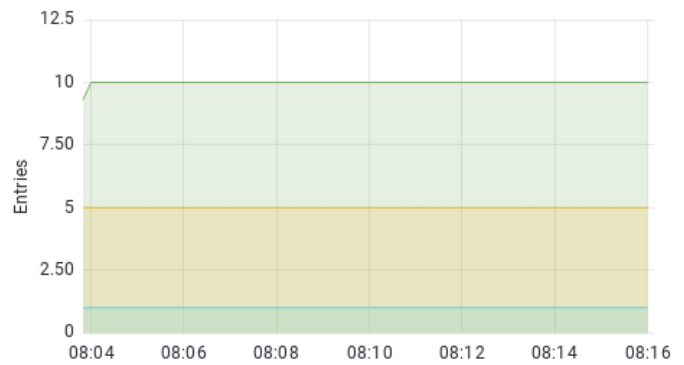
	min	max	avg	current
vethff47bd2 - Transmit colls	0	0	0	0
vethf14a63f - Transmit colls	0	0	0	0
vethed5c045 - Transmit colls	0	0	0	0
vethcb1ec6b - Transmit colls	0	0	0	0

NF Contrack



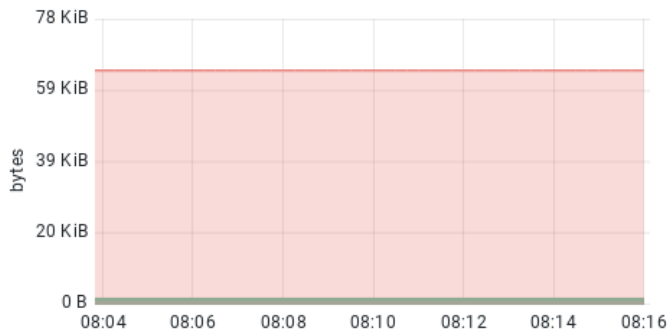
	min	max	avg	current
NF conntrack entries	224	2.87 K	1.56 K	1.39 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



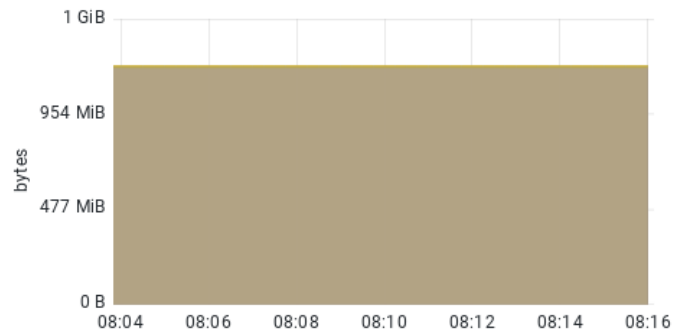
	min	max	avg	current
br-81f83d5a8737 - ARP entries	9	10	9.98	10
bre0fb71edbb3b - ARP entries	5	5	5	5
ens4 - ARP entries	1	1	1	1

MTU



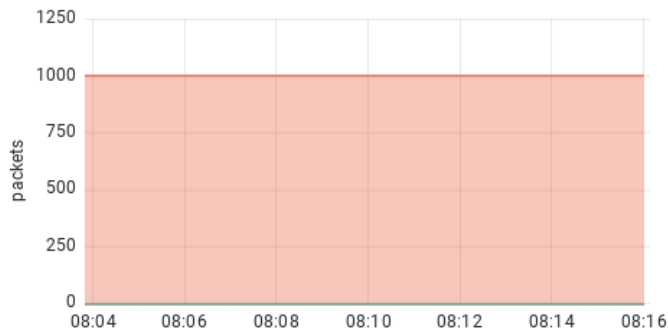
	min	max	avg	current
br-81f83d5a8737 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-e0fb71edbb3b - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
ens4 - Bytes	1.4 KiB	1.4 KiB	1.4 KiB	1.4 KiB

Speed



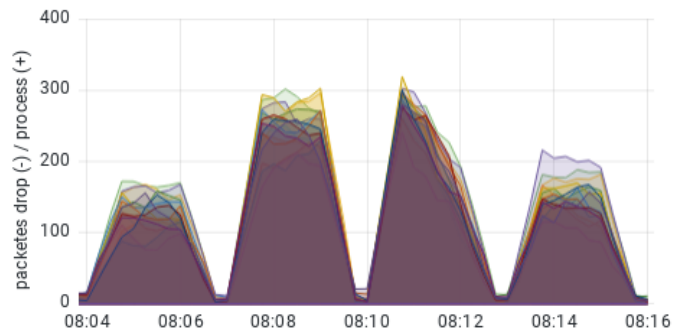
	min	max	avg	current
br-81f83d5a8737 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-e0fb71edbb3b - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
ens4 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB

Queue Length



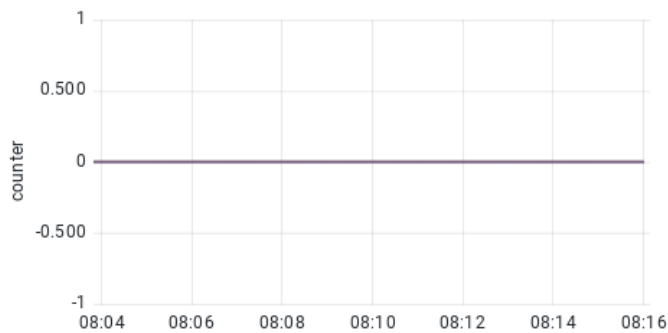
	min	max	avg	current
br-81f83d5a8737 - Interface transmit queue length	0.0	0.0	0.0	0.0
br-e0fb71edbb3b - Interface transmit queue length	0.0	0.0	0.0	0.0
docker0 - Interface transmit queue length	0.0	0.0	0.0	0.0
ens4 - Interface transmit queue length	1000.0	1000.0	1000.0	1000.0

Softnet Packets



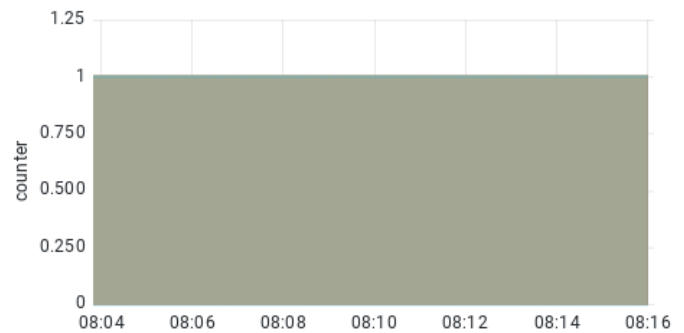
	min	max	avg	current
CPU 2 - Processed	1.44	292	128	11.3
CPU 0 - Processed	6.56	302	146	9.76
CPU 7 - Processed	2.64	300	119	6.64
CPU 3 - Processed	1.51	319	131	6.49

Softnet Out of Quota



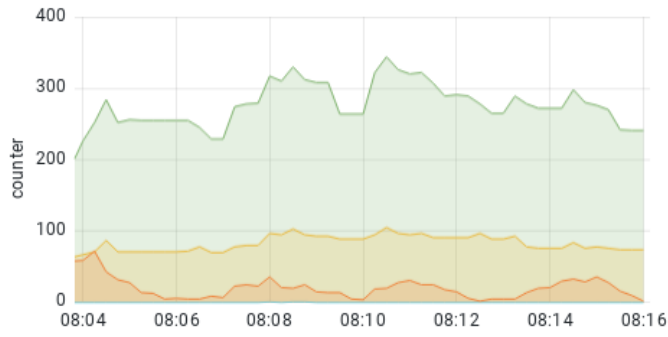
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status



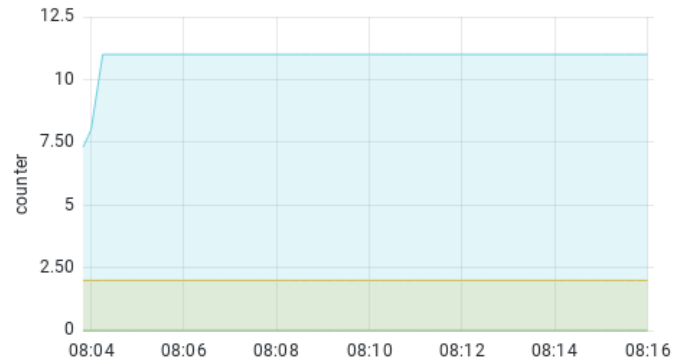
	min	max	avg	current
vethff47bd2 - Physical link state	1	1	1	1
vethf14a63f - Physical link state	1	1	1	1
vethed5c045 - Physical link state	1	1	1	1
vethcb1ec6b - Physical link state	1	1	1	1

Sockstat TCP



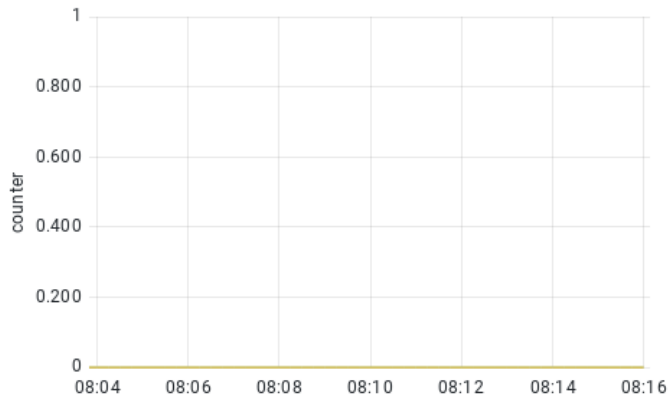
	min	max	avg	current
TCP_alloc - Allocated sockets	191	344	276	241
TCP_inuse - Tcp sockets currently in use	63	105	83.0	74
TCP_orphan - Orphan sockets	0	1	0.0600	0
TCP_tw - Sockets waiting close	2	72	20.5	2

Sockstat UDP



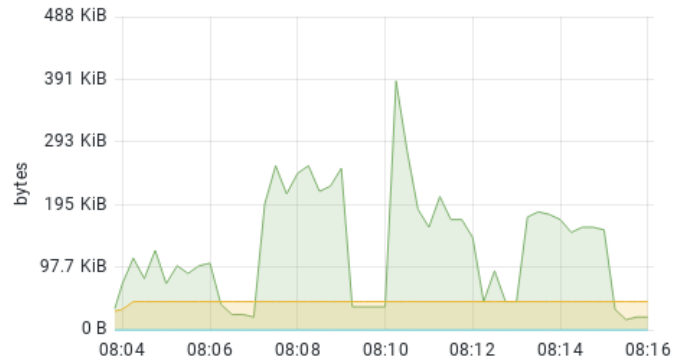
	min	max	avg	current
UDPLITE_inuse - Udp sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	2	2	2	2
UDP_mem - Used memory for udp	7	11	10.9	11

Sockstat FRAG / RAW



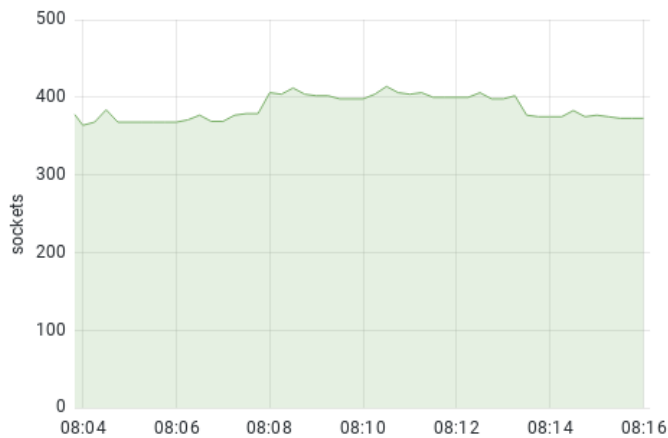
	min	max	avg	current
FRAG_inuse - Frag sockets currently in use	0	0	0	0
RAW_inuse - Raw sockets currently in use	0	0	0	0

Sockstat Memory Size



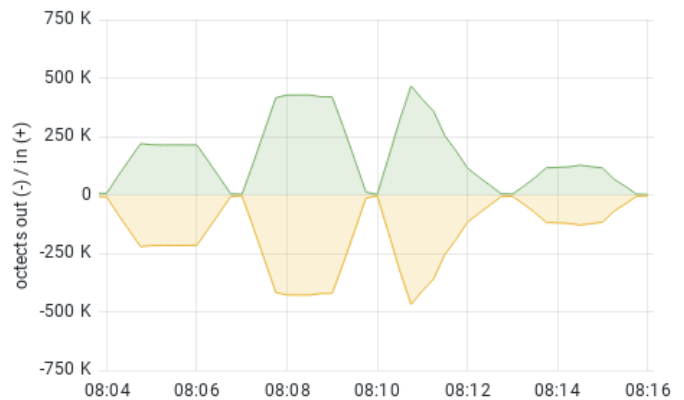
	min	max	avg	current
mem_bytes - TCP sockets in that state	16 KiB	388 KiB	127 KiB	20 K
mem_bytes - UDP sockets in that state	28 KiB	44 KiB	43.4 KiB	44 K
FRAG_memory - Used memory for frag	0 B	0 B	0 B	0

Sockstat Used



	min	max	avg	current
Sockets_used - Sockets currently in use	364	414	386	373

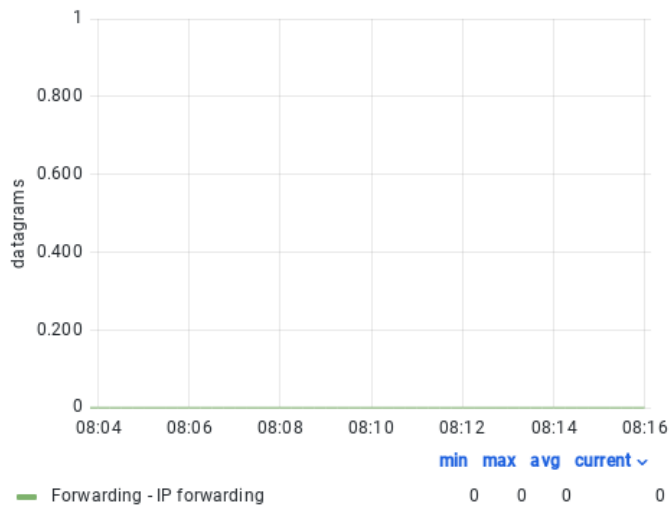
Netstat IP In / Out Octets



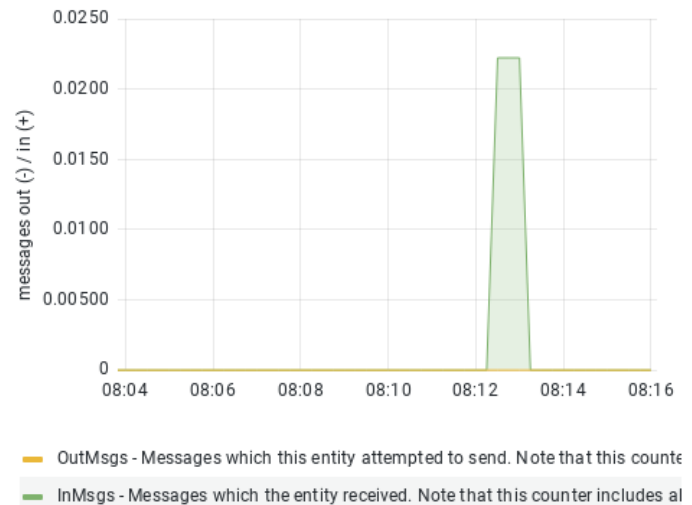
	min	max	avg	current
OutOctets - Sent octets	3.62 K	468 K	172 K	3.62 K
InOctets - Received octets	2.63 K	467 K	171 K	2.63 K



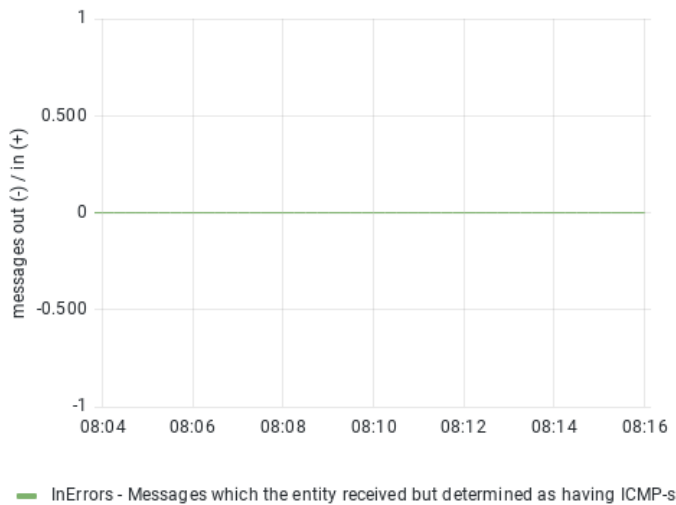
Netstat IP Forwarding



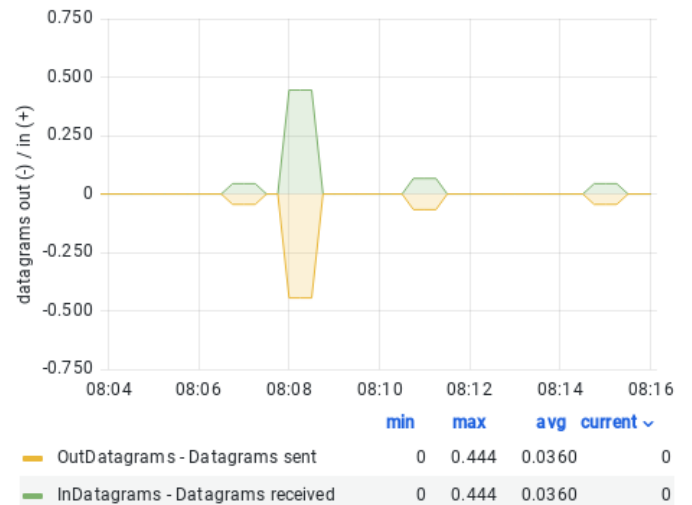
ICMP In / Out



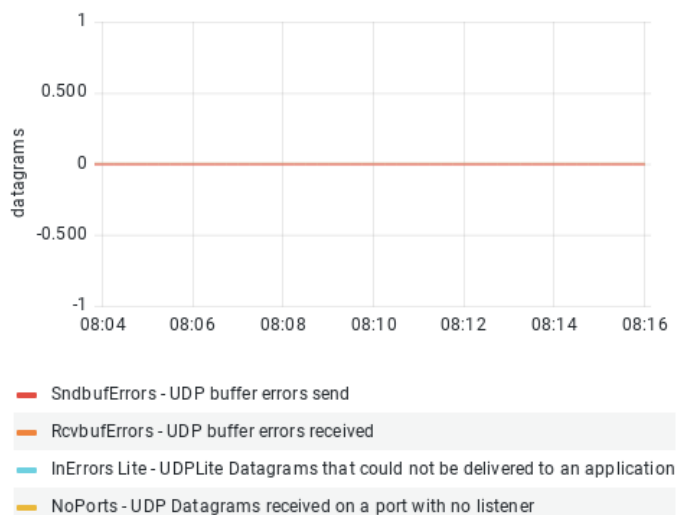
ICMP Errors



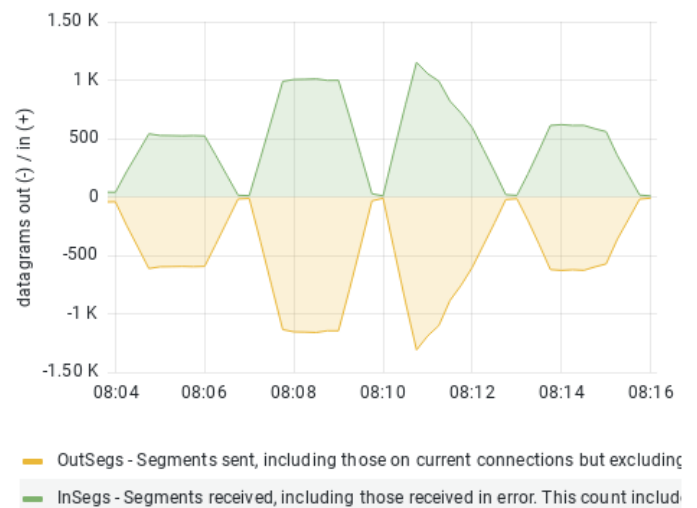
UDP In / Out



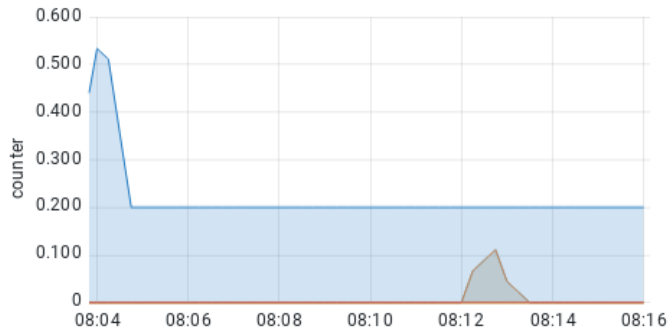
UDP Errors



TCP In / Out



TCP Errors



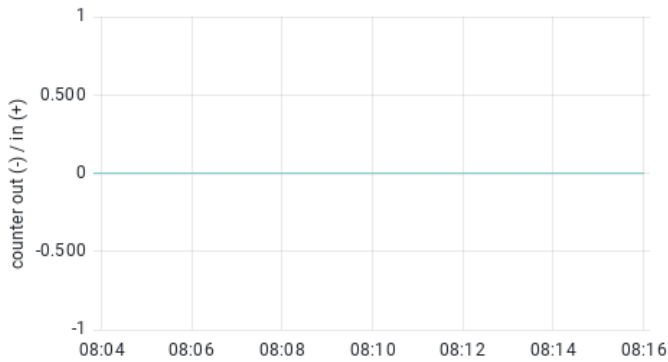
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



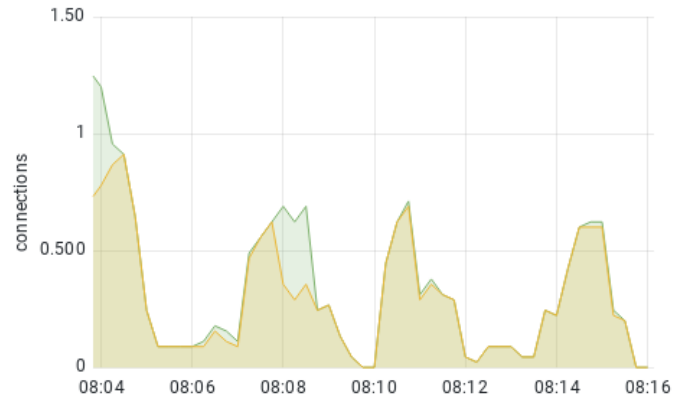
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



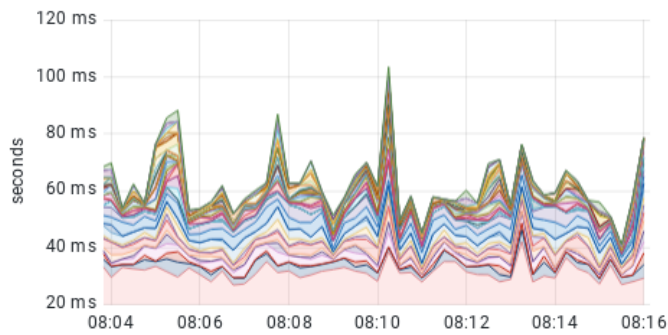
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



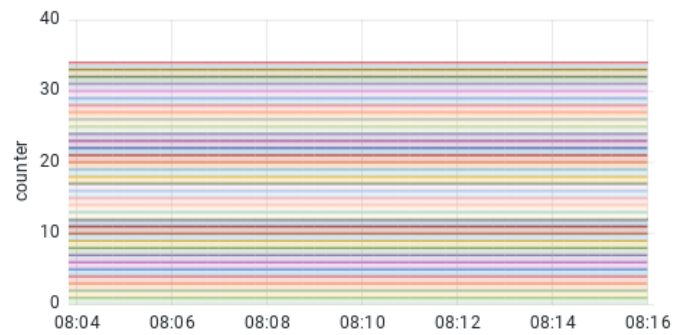
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	26.9 ms	42.2 ms	31.4 ms	29.4
filesystem - Scrape duration	834 $\mu$ s	5.27 ms	2.58 ms	4.75
pressure - Scrape duration	109 $\mu$ s	4.08 ms	784 $\mu$ s	4.08
netstat - Scrape duration	747 $\mu$ s	5.07 ms	2.33 ms	3.87

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