

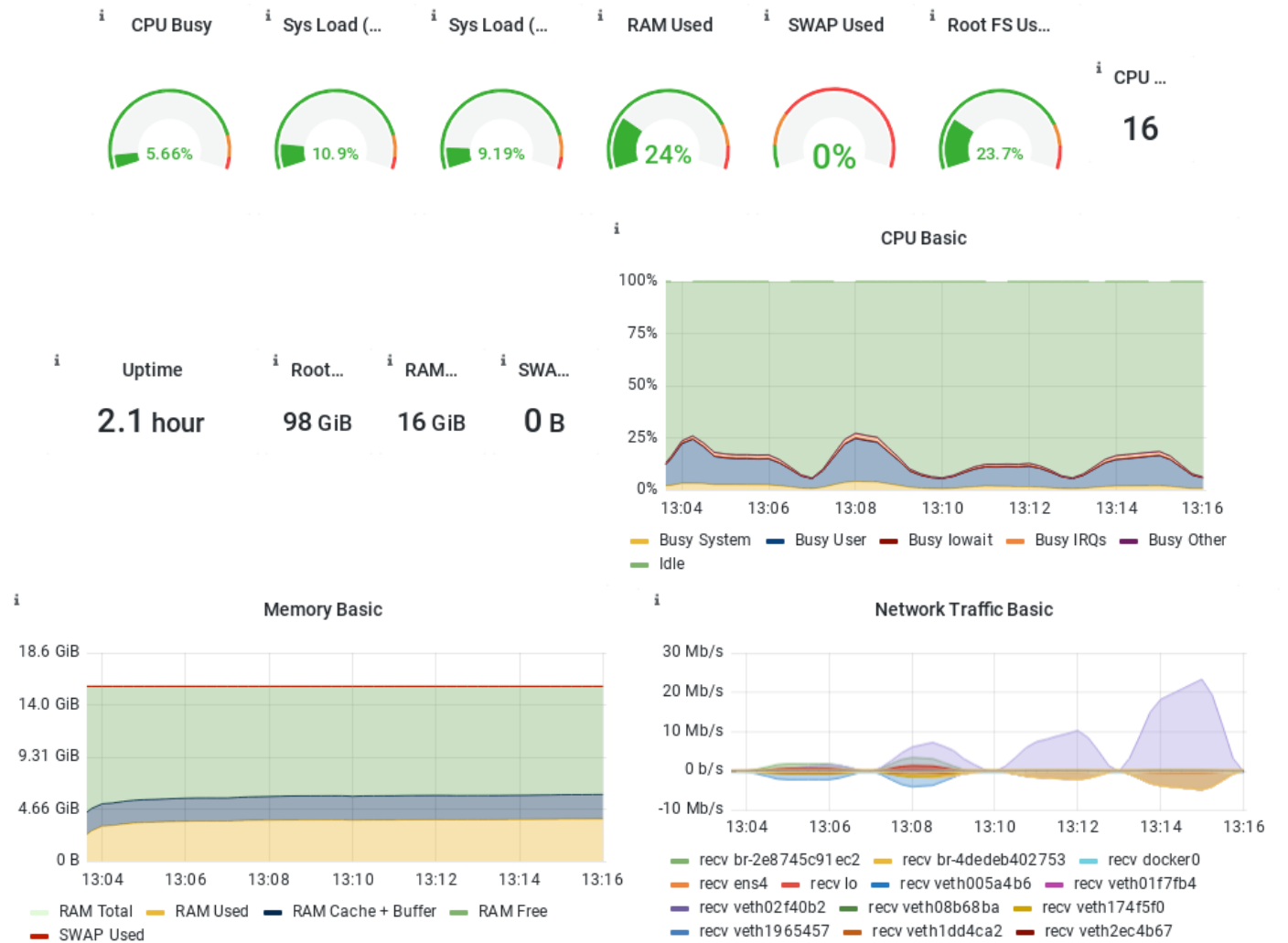
# Host Metrics

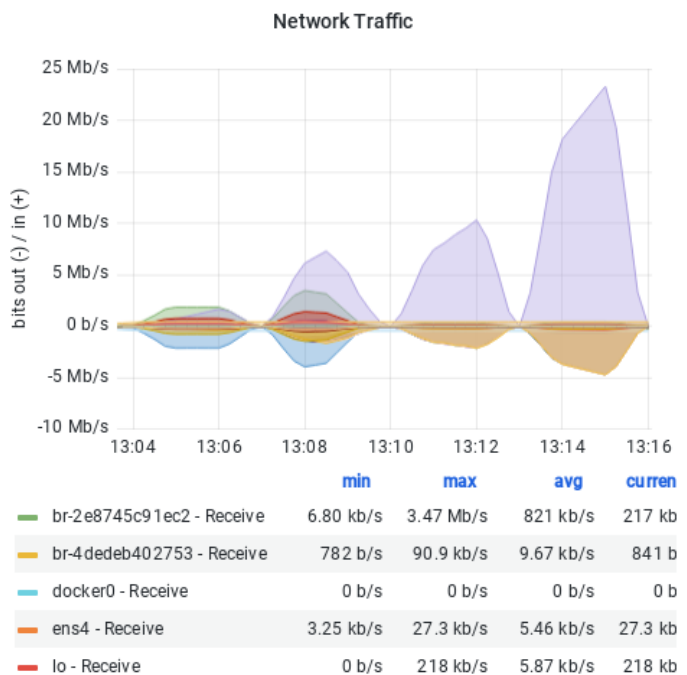
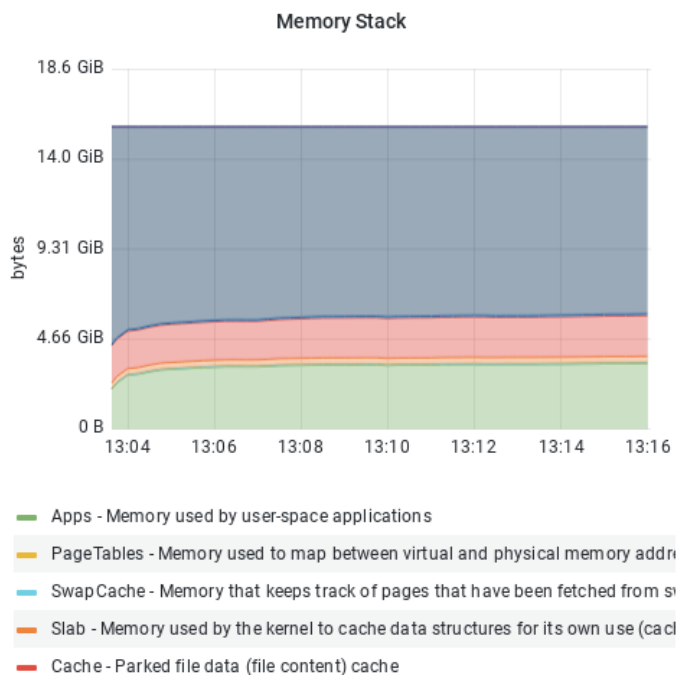
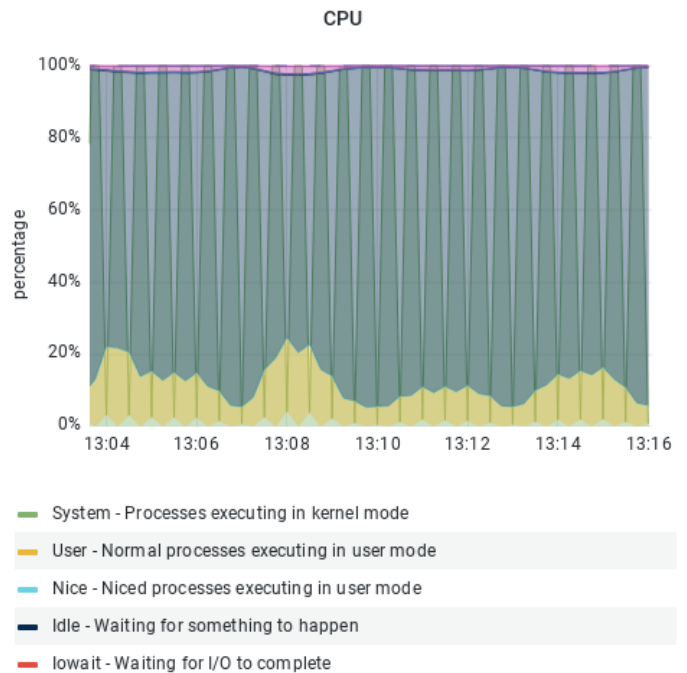
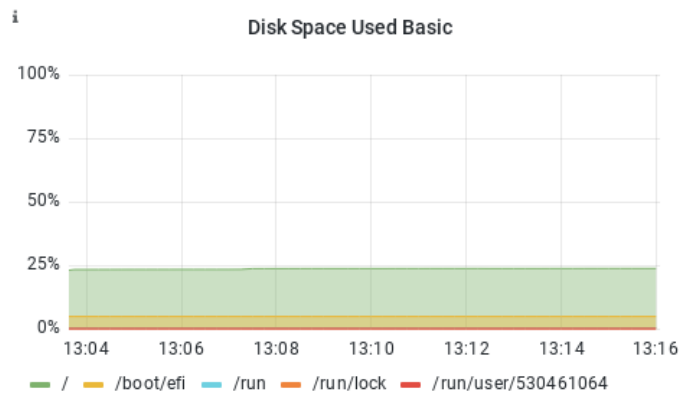
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Thu Oct 20 13:03:37 UTC 2022

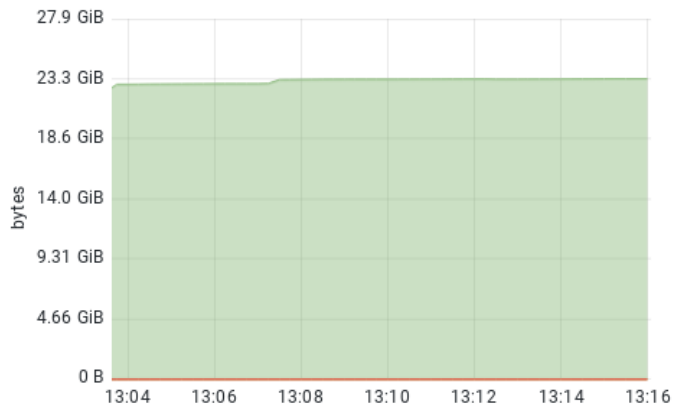
to

Thu Oct 20 13:16:05 UTC 2022



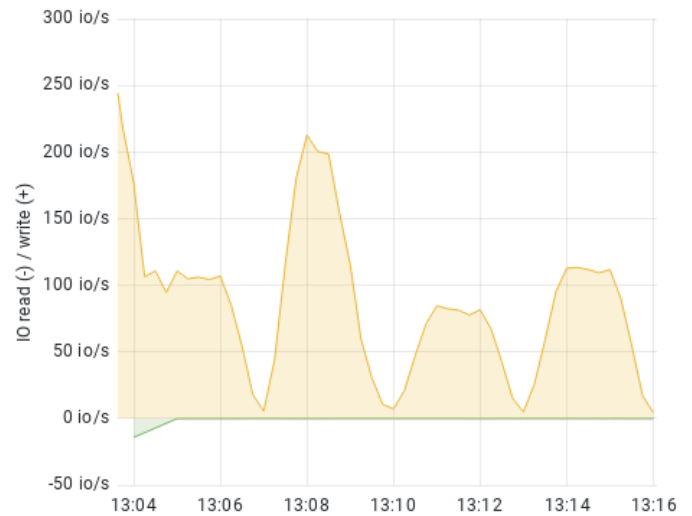


Disk Space Used



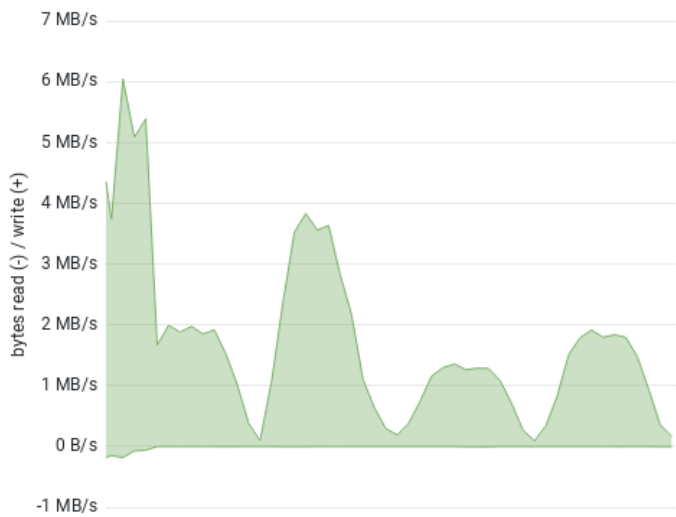
	min	max	avg	current
/run/lock	0.000 B	0.000 B	0.000 B	0.000 B
/run/user/530461064	0.000 B	0.000 B	0.000 B	0.000 B
/run	2.762 MiB	3.016 MiB	3.009 MiB	3.016 MiB
/boot/efi	5.898 MiB	5.898 MiB	5.898 MiB	5.898 MiB
/	22.313 GiB	23.279 GiB	23.127 GiB	23.279 GiB

Disk IOps



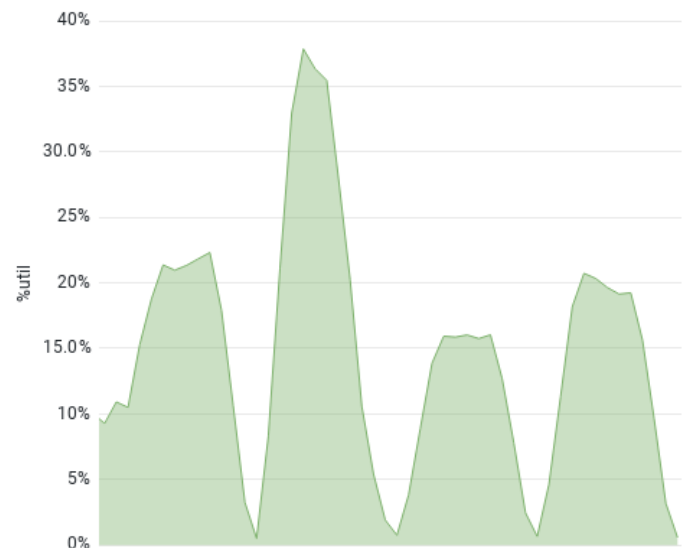
	min	max	avg	current
sda - Reads completed	0 io/s	14.1 io/s	1.09 io/s	0.0333 io/s
sda - Writes completed	4.49 io/s	273 io/s	90.0 io/s	4.49 io/s

I/O Usage Read / Write



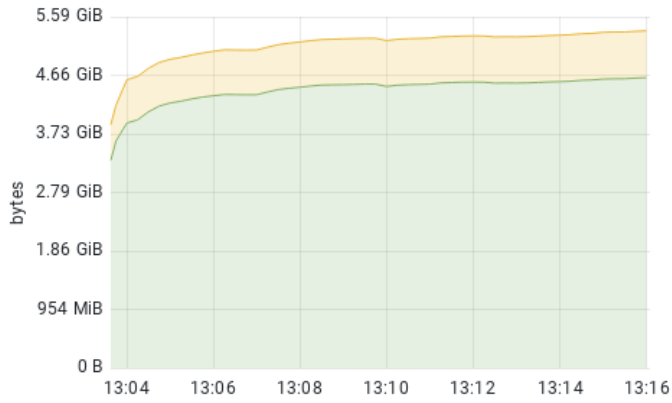
	min	max	avg
sda - Successfully read bytes	0.000 B/s	207.940 kB/s	13.445 kB/s
sda - Successfully written bytes	95.937 kB/s	6.043 MB/s	1.776 MB/s

I/O Utilization



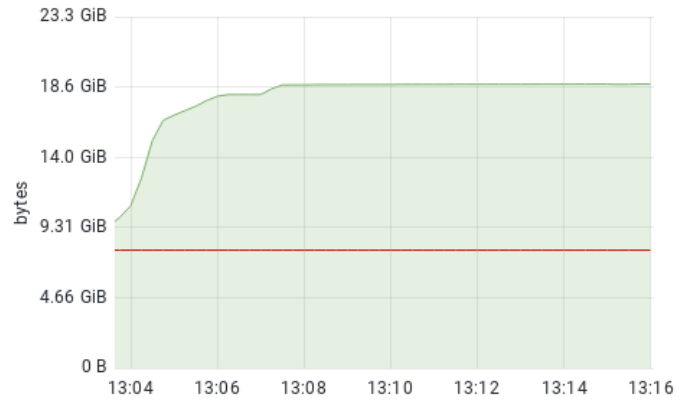
	min	max	avg	current
sda	0.507%	37.847%	14.623%	0.569%

Memory Active / Inactive



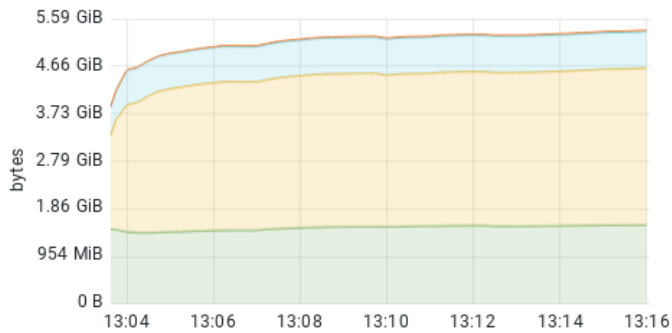
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



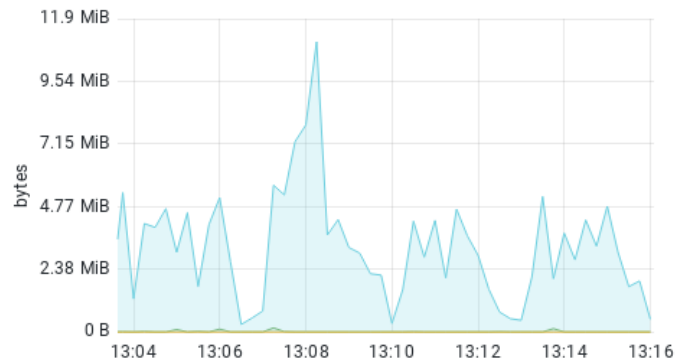
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

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)

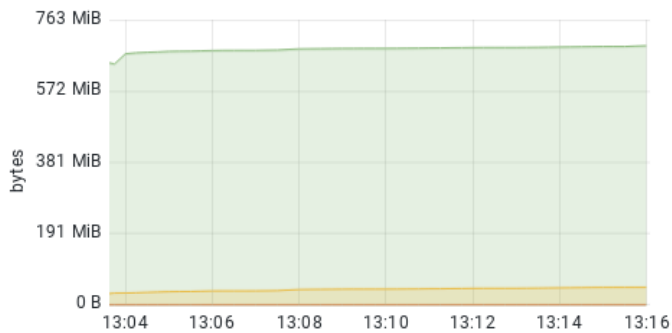
Memory Writeback and Dirty



— 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

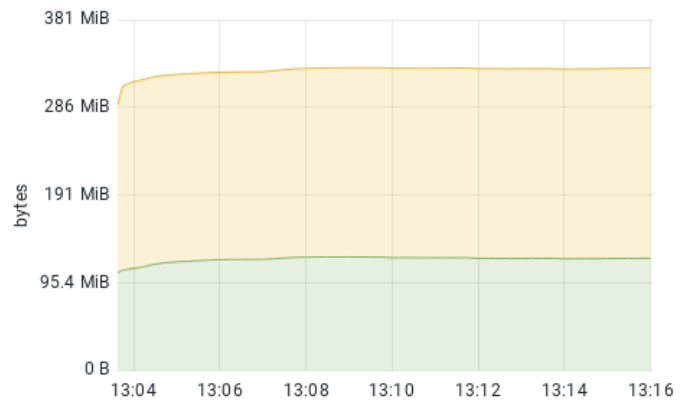
292.

Memory Shared and Mapped



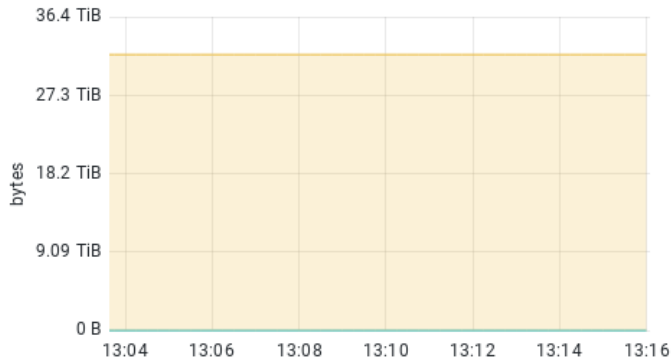
— Mapped - Used memory in mapped pages files which have been mmaped, such  
 — Shmem - Used shared memory (shared between several processes, thus includ  
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc  
 — ShmemPmdMapped - Ammount of shared (shmem/tmpfs) memory backed by

Memory Slab



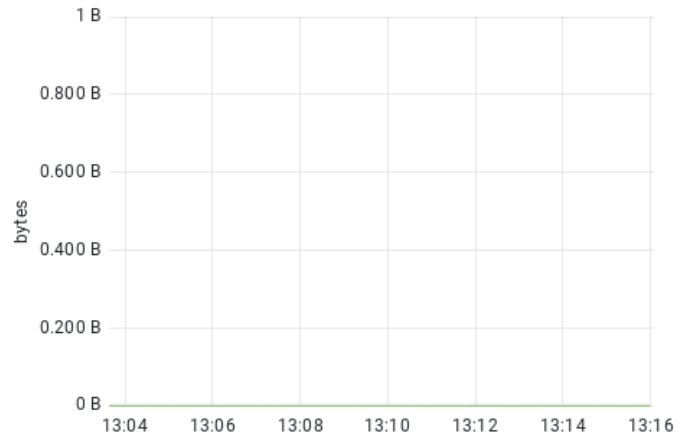
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 10  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches 16

Memory Vmalloc



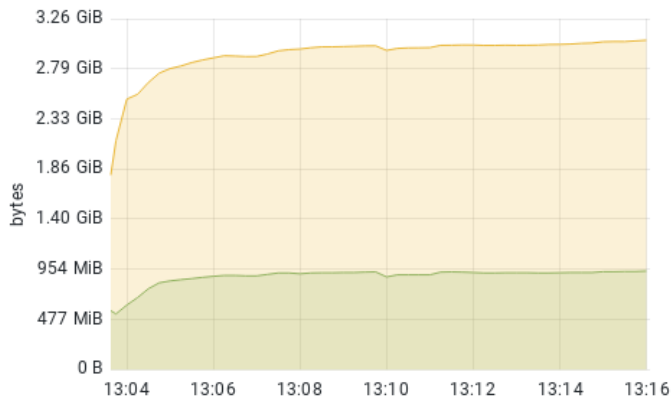
VmallocChunk - Largest contiguous block of vmalloc area which is free	0
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	32.6

Memory Bounce



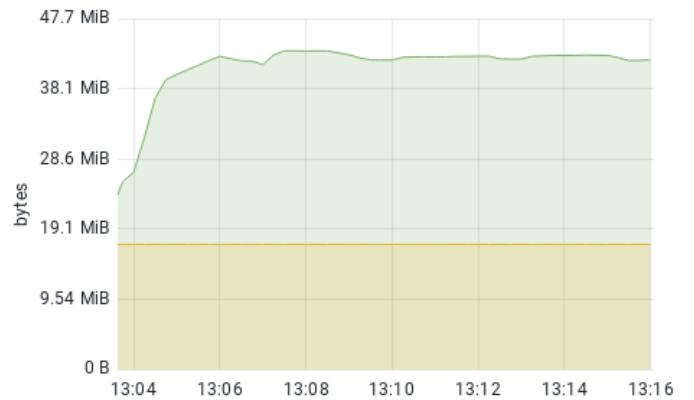
Bounce - Memory used for block device bounce buffers	0.00 B	0.00 B	0.00 B
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Memory Anonymous



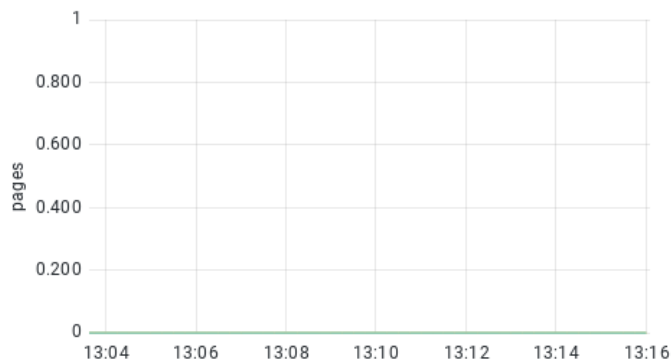
AnonHugePages - Memory in anonymous huge pages	528.00 MiB	936.0
AnonPages - Memory in user pages not backed by files	1.46 GiB	3.0

Memory Kernel / CPU



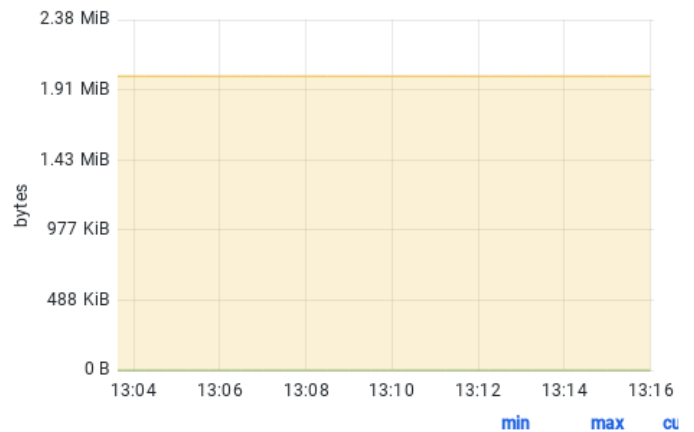
KernelStack - Kernel memory stack. This is not reclaimable	21.7
PerCPU - Per CPU memory allocated dynamically by loadable modules	17.0

Memory HugePages Counter



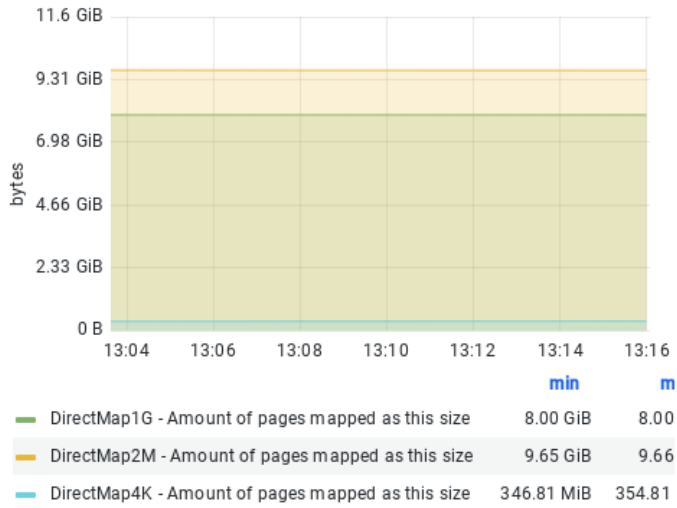
HugePages_Free - Huge pages in the pool that are not yet allocated	
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	

Memory HugePages Size

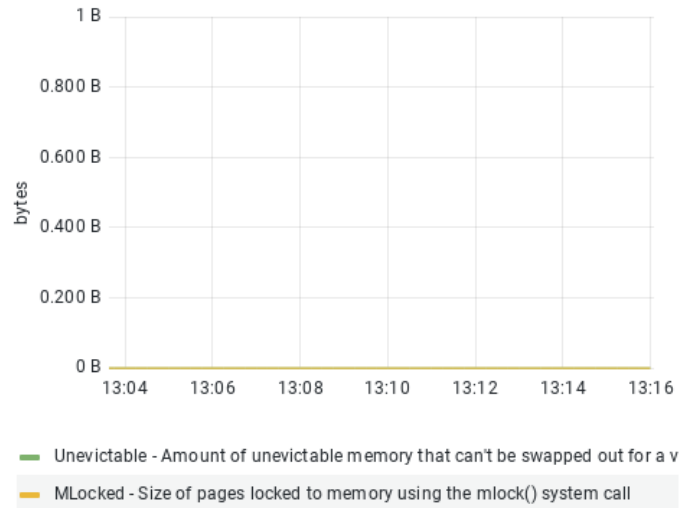


HugePages - Total size of the pool of huge pages	0.00 B	0.00 B
Hugepagesize - Huge Page size	2.00 MiB	2.00 MiB

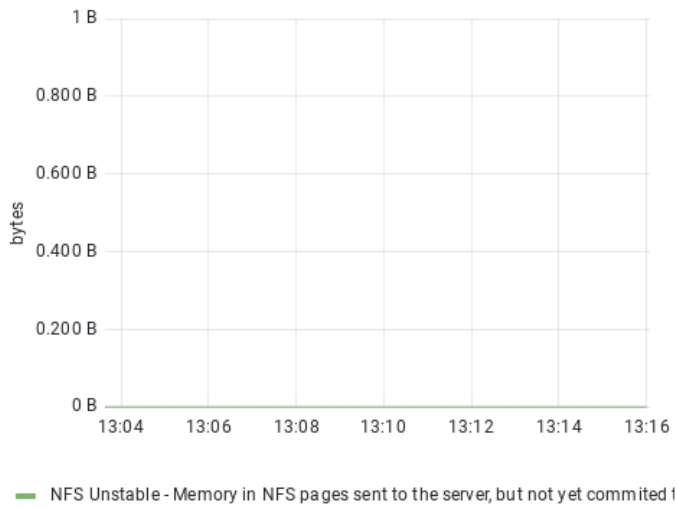
Memory DirectMap



Memory Unevictable and MLocked



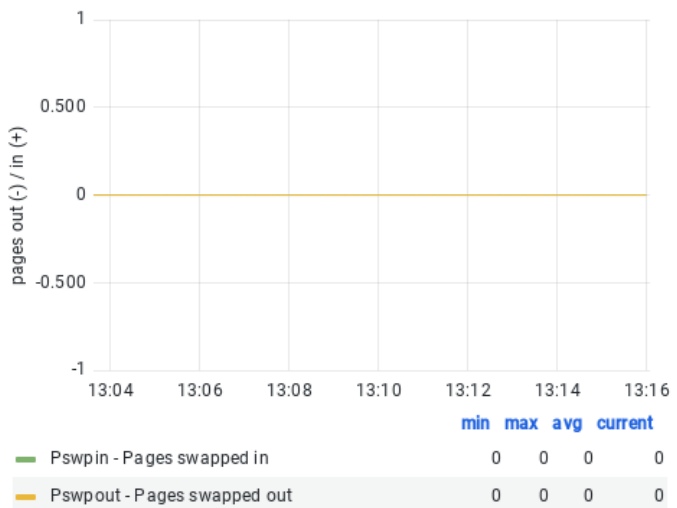
Memory NFS



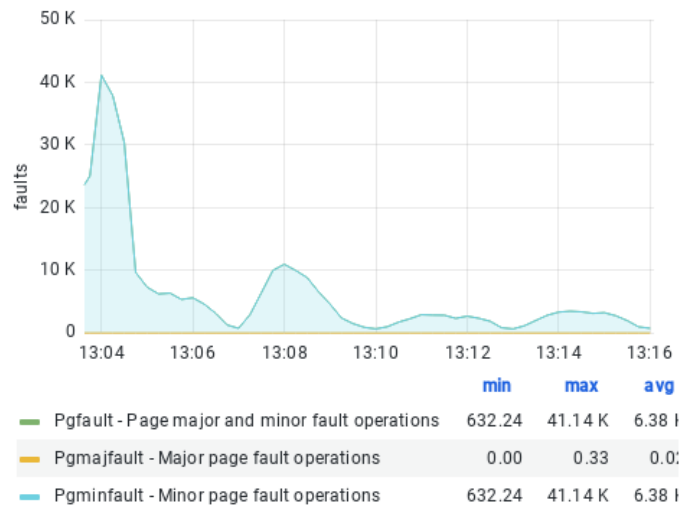
Memory Pages In / Out



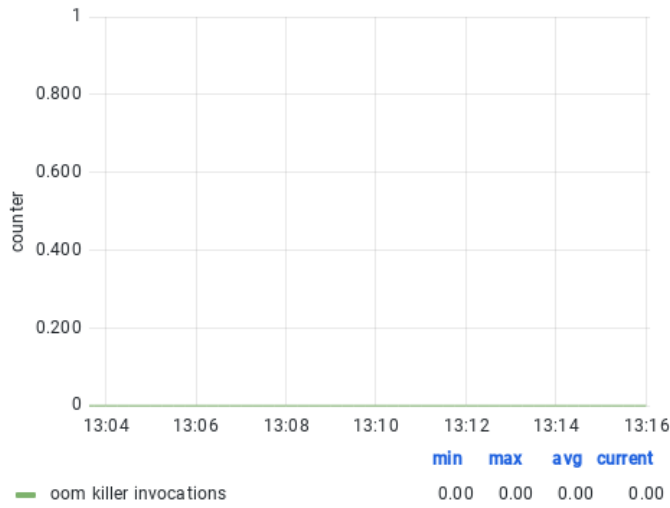
Memory Pages Swap In / Out



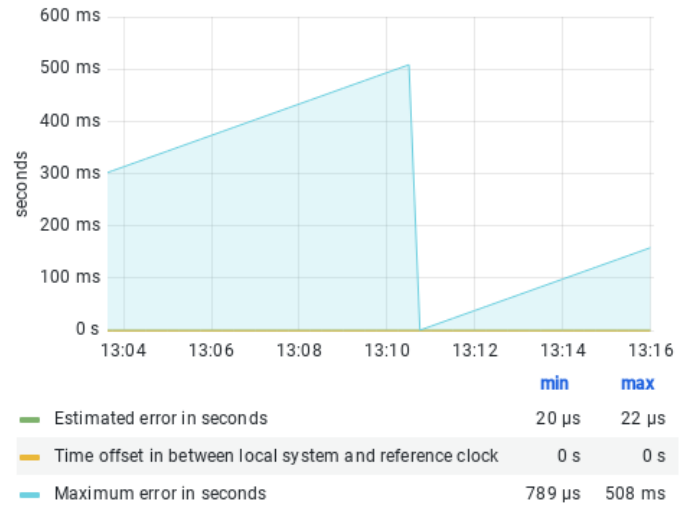
Memory Page Faults



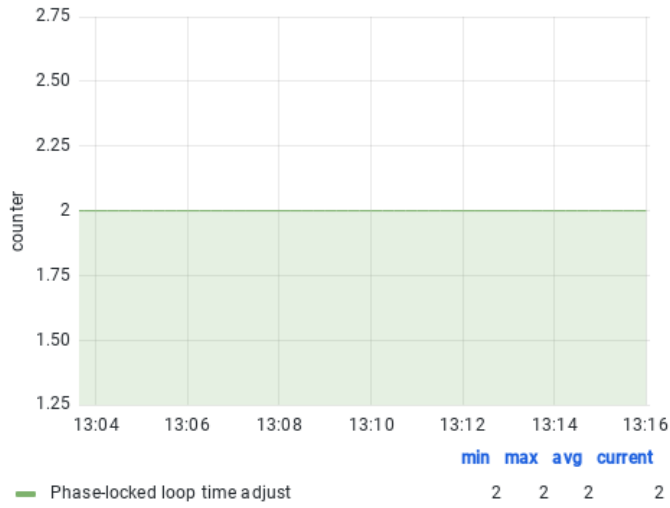
OOM Killer



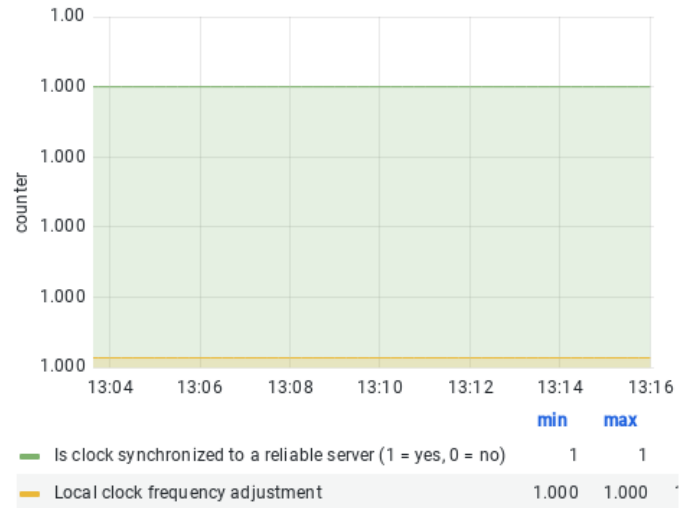
Time Synchronized Drift



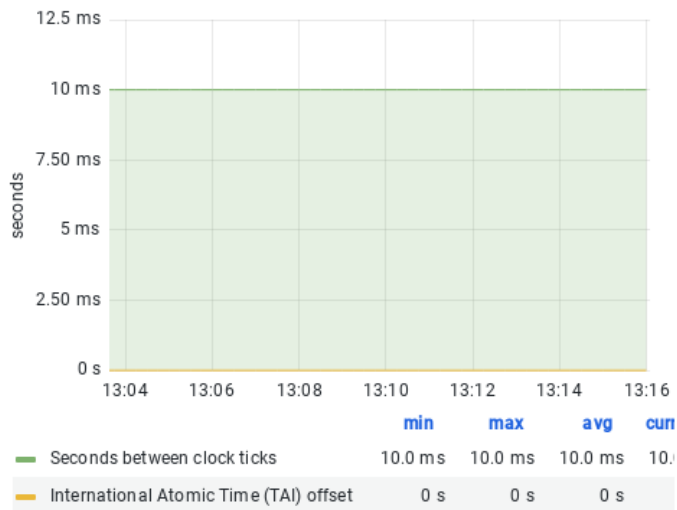
Time PLL Adjust



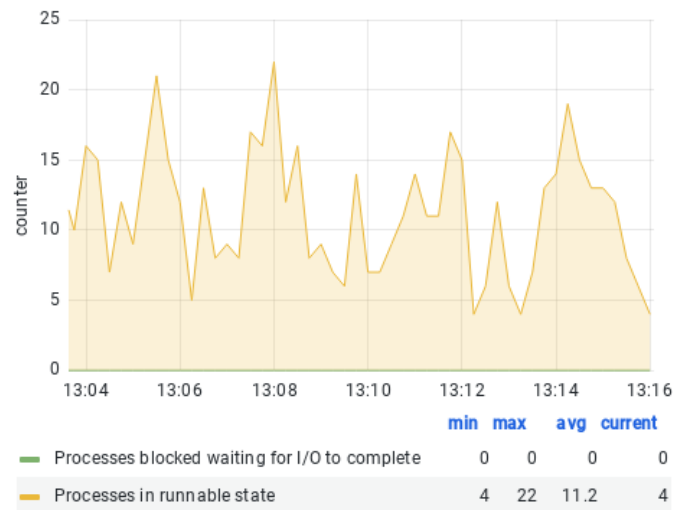
Time Synchronized Status



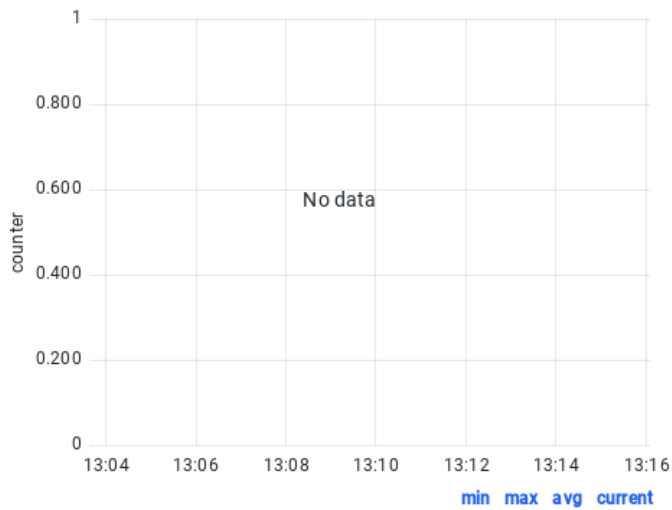
Time Misc



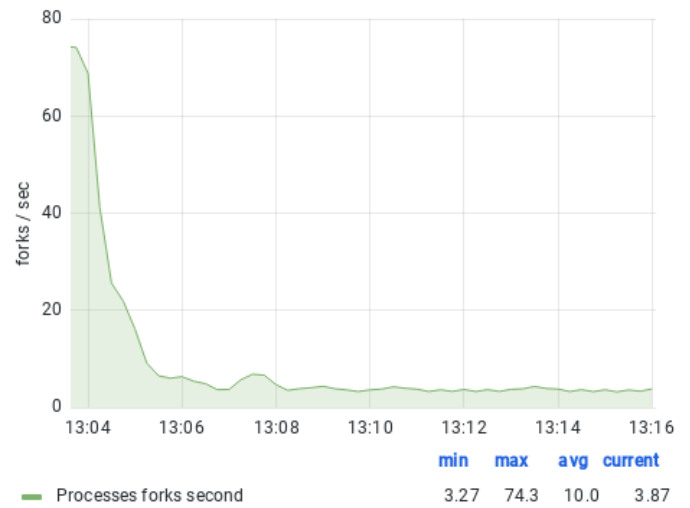
Processes Status



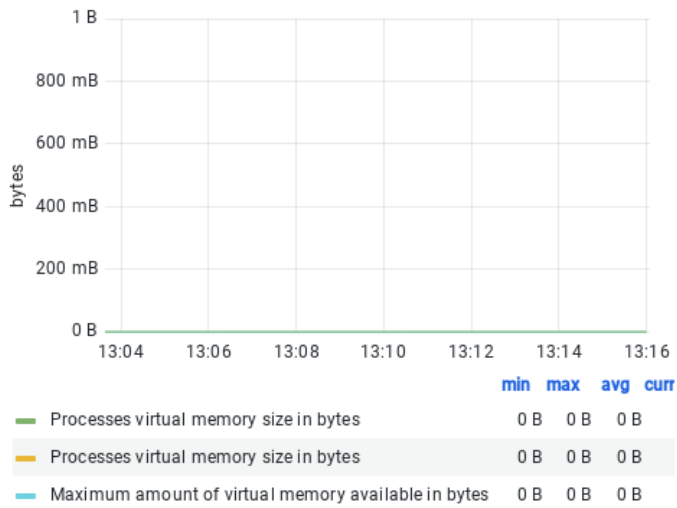
Processes State



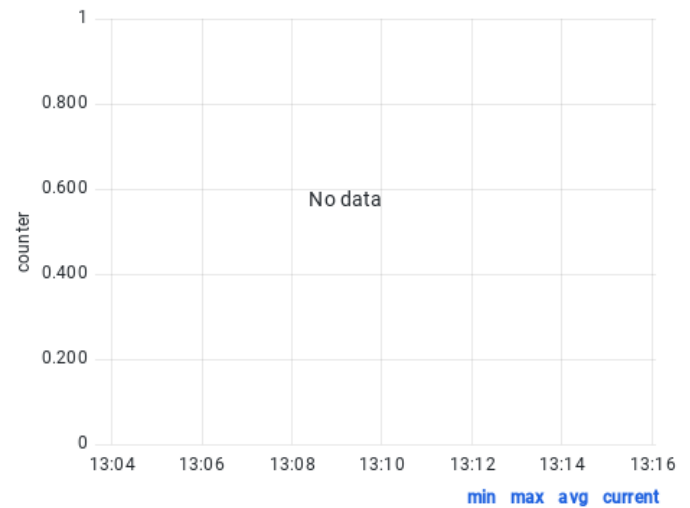
Processes Forks



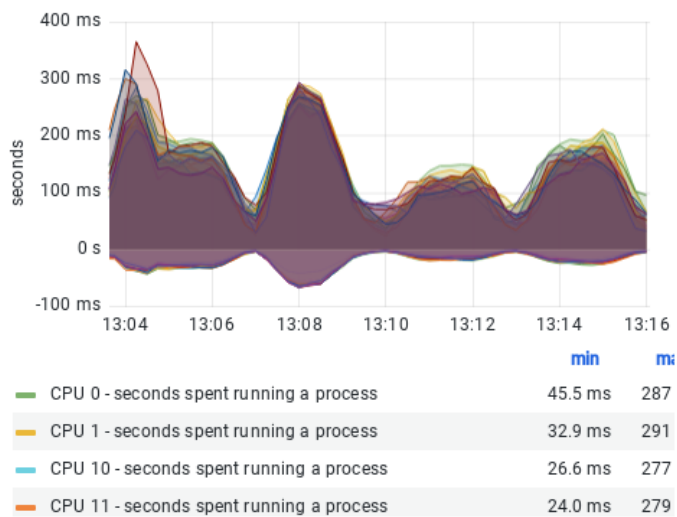
Processes Memory



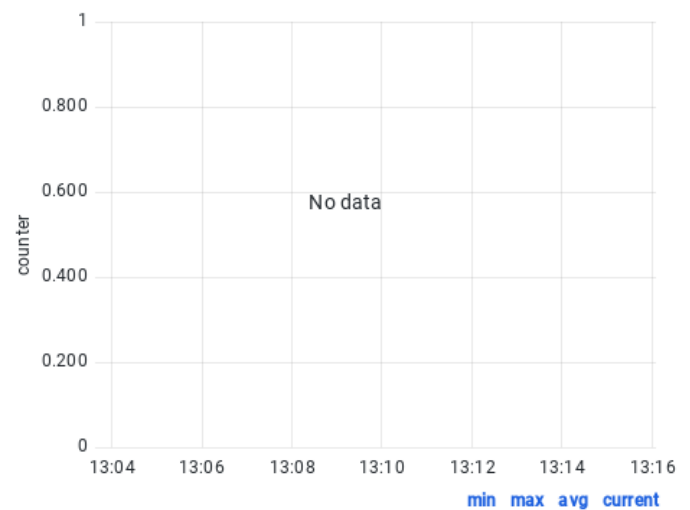
PIDs Number and Limit



Process schedule stats Running / Waiting

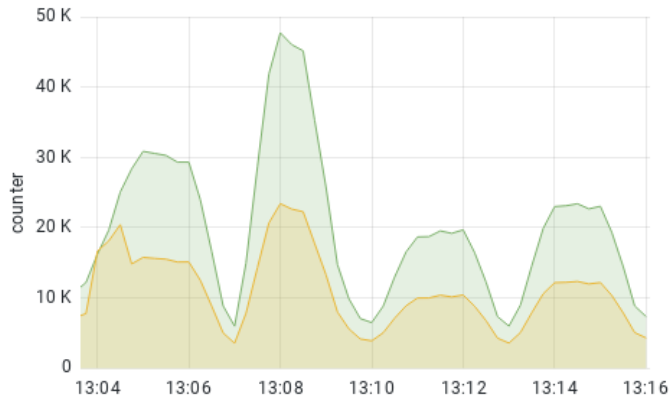


Threads Number and Limit



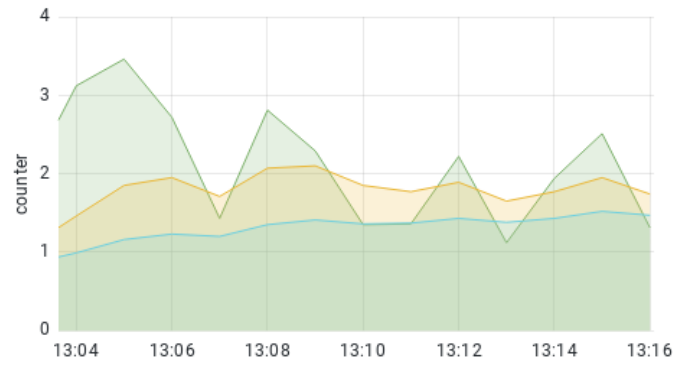


Context Switches / Interrupts



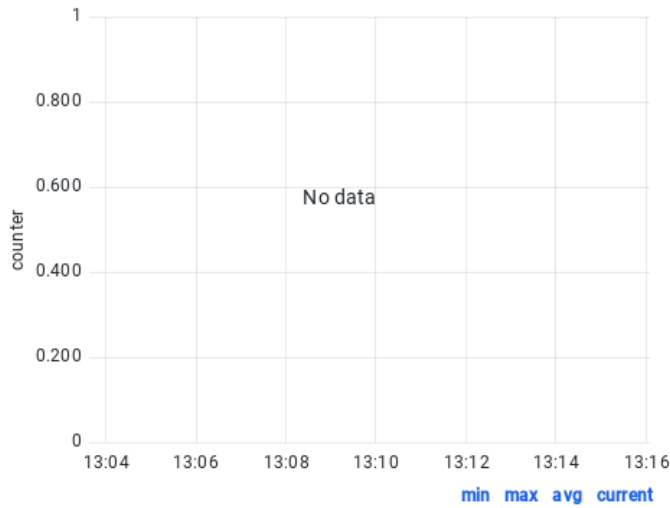
Context switches	5.97 K	47.7 K	20.1 K	7.33 K
Interrupts	3.54 K	23.4 K	11.0 K	4.30 K

System Load



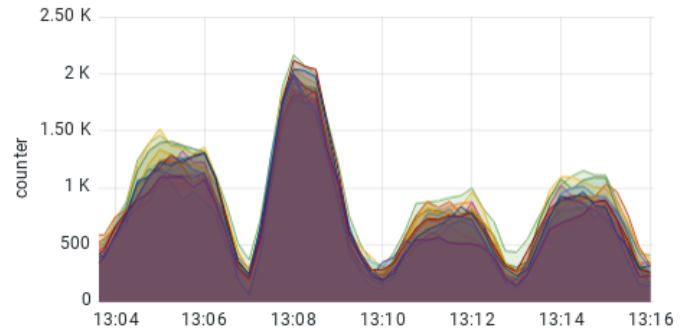
Load 1m	1.12	3.46	2.11	1.31
Load 5m	1.06	2.10	1.77	1.74
Load 15m	0.850	1.52	1.30	1.47

Interrupts Detail



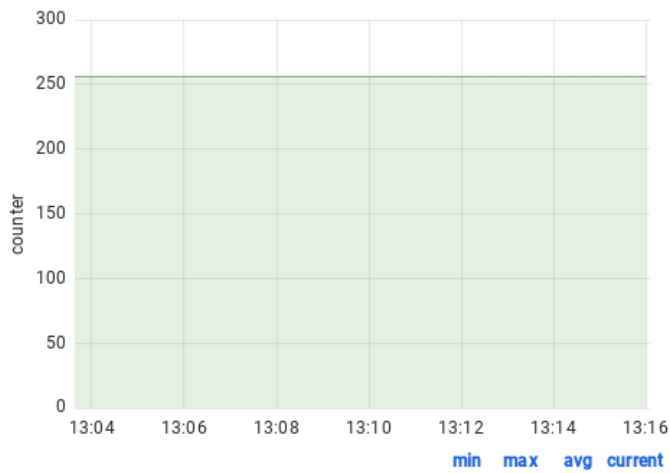
No data				
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Schedule timeslices executed by each cpu



CPU 0	299	2.17 K	956	413
CPU 1	206	2.04 K	899	385
CPU 10	124	1.80 K	754	154
CPU 11	61.0	1.86 K	712	262

Entropy



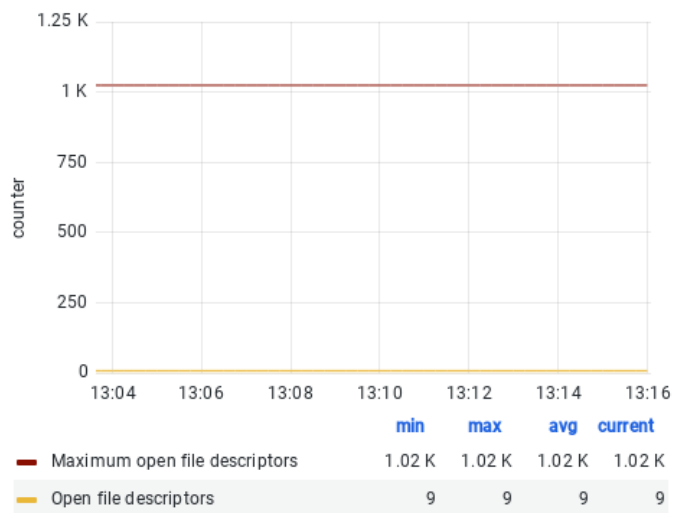
Entropy available to random number generators	256	256	256	256
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CPU time spent in user and system contexts

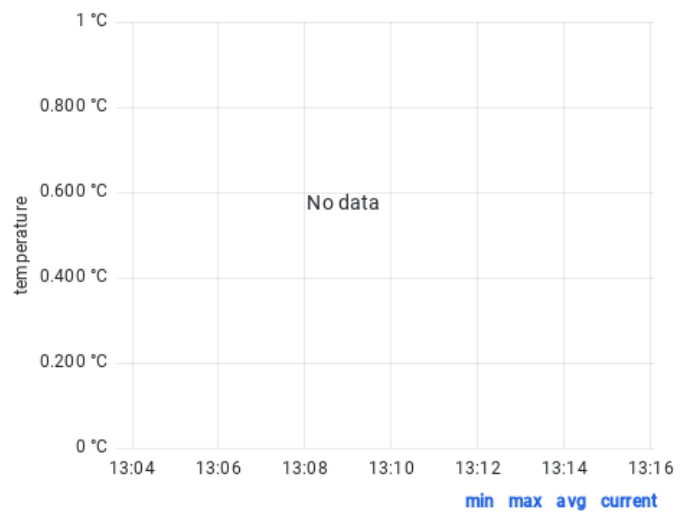


Time spent	6.00 ms	14.4 ms	8.15 ms	7.78 ms
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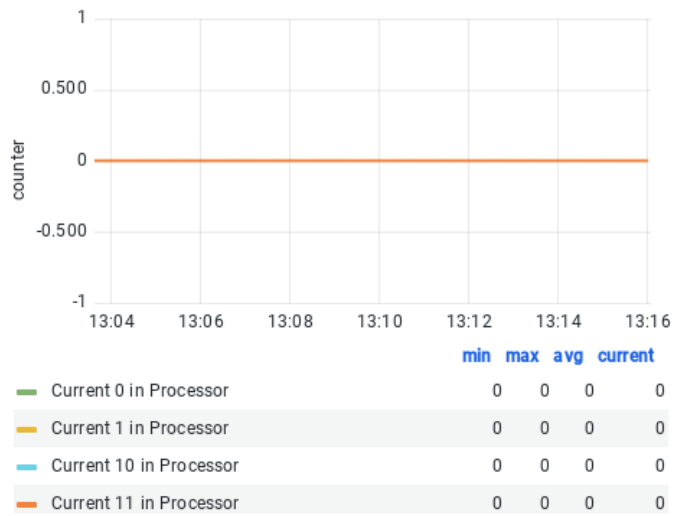
File Descriptors



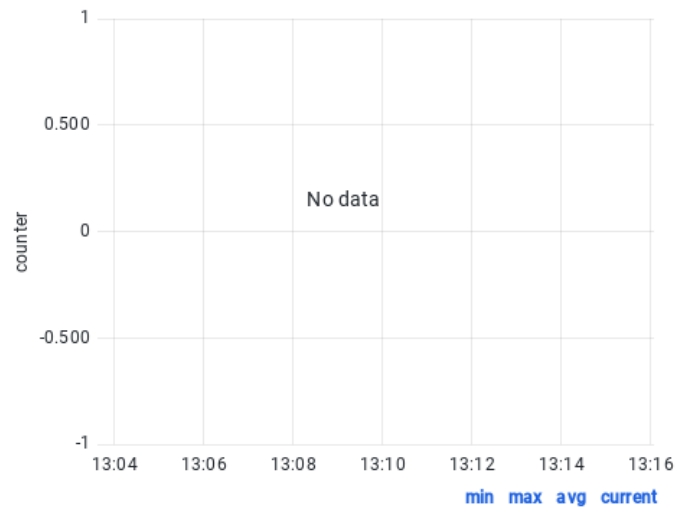
Hardware temperature monitor



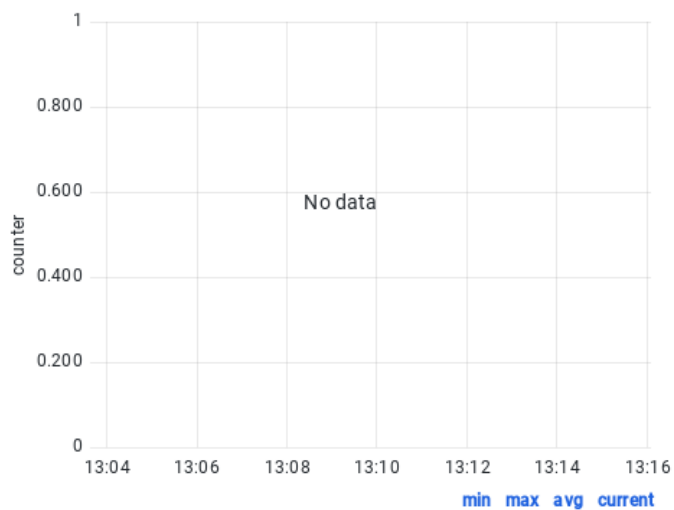
Throttle cooling device



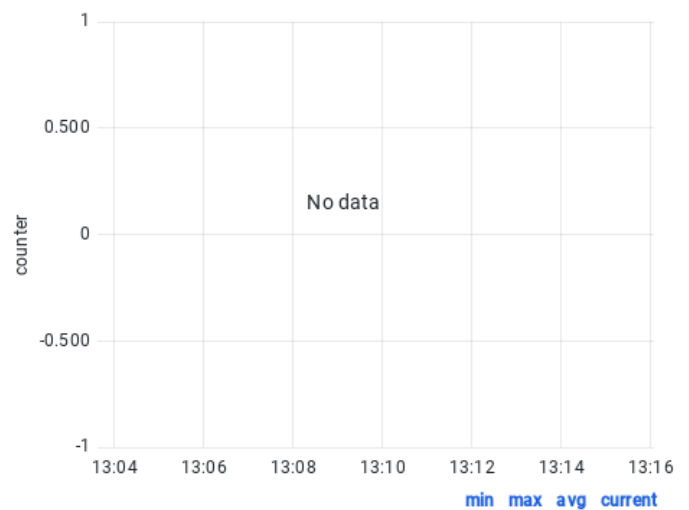
Power supply

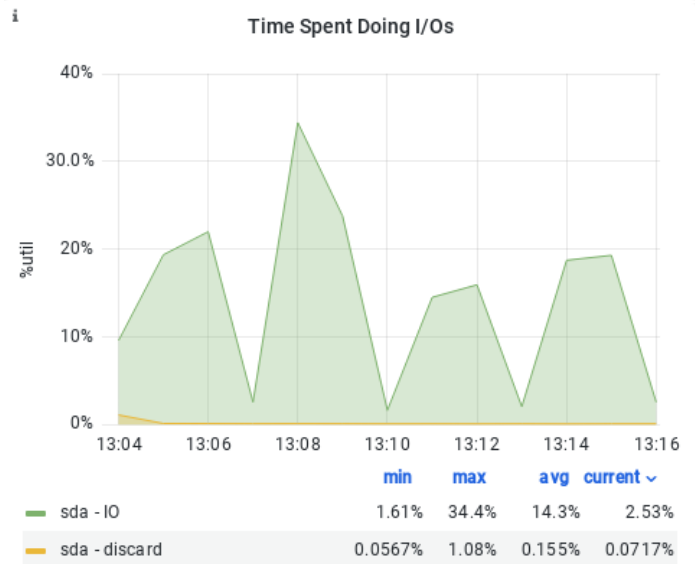
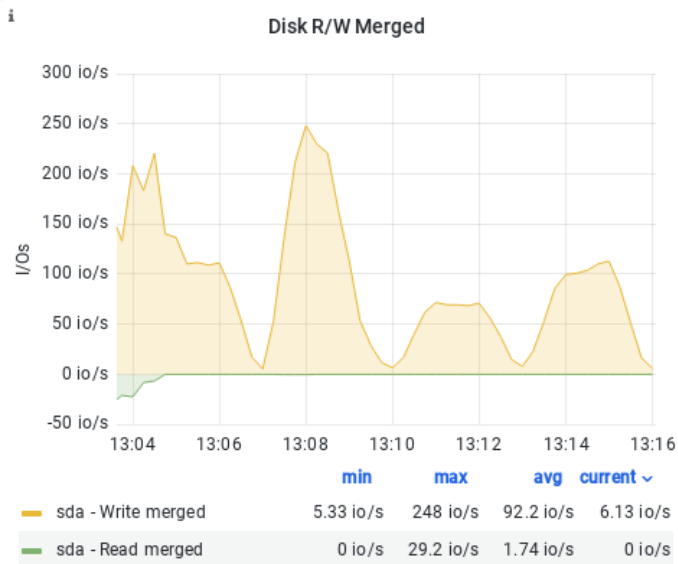
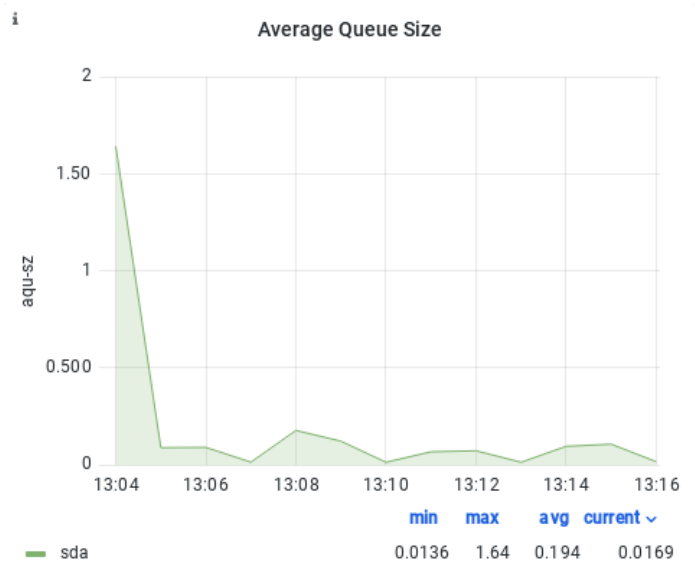
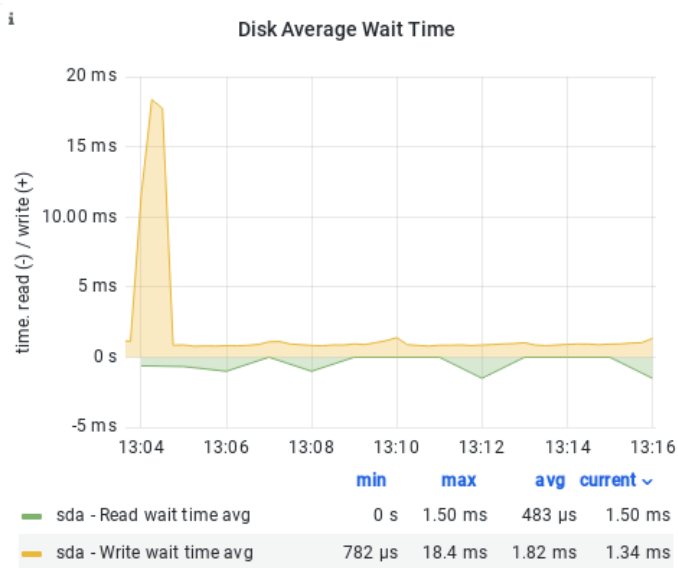
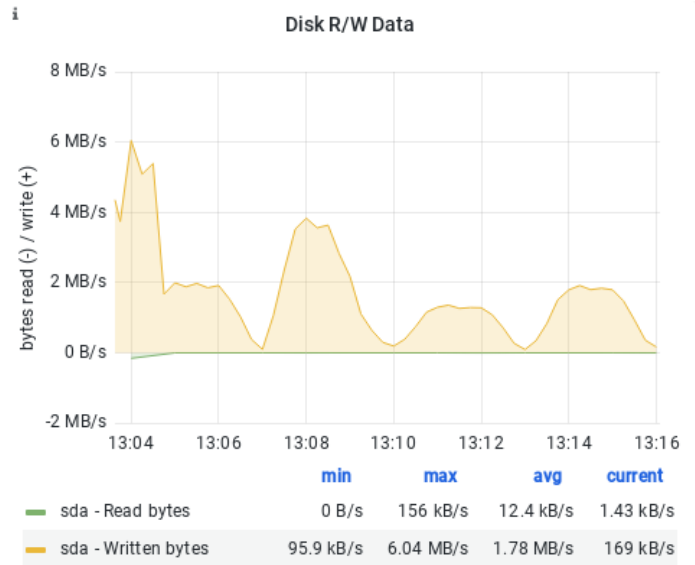
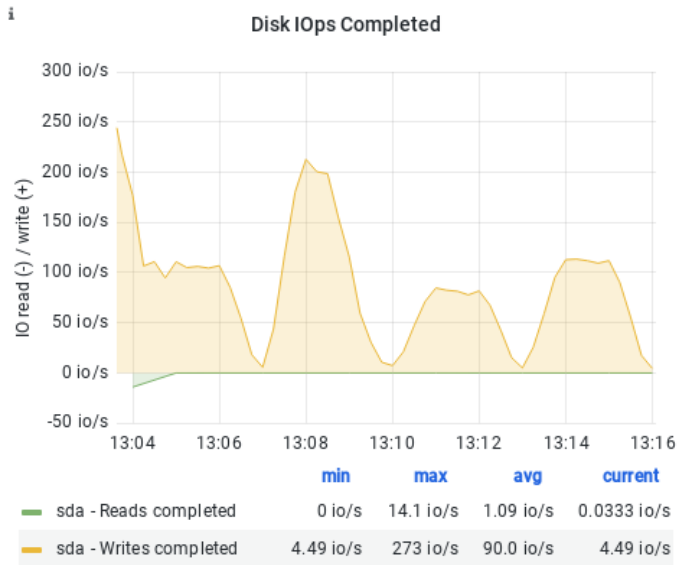


Systemd Sockets



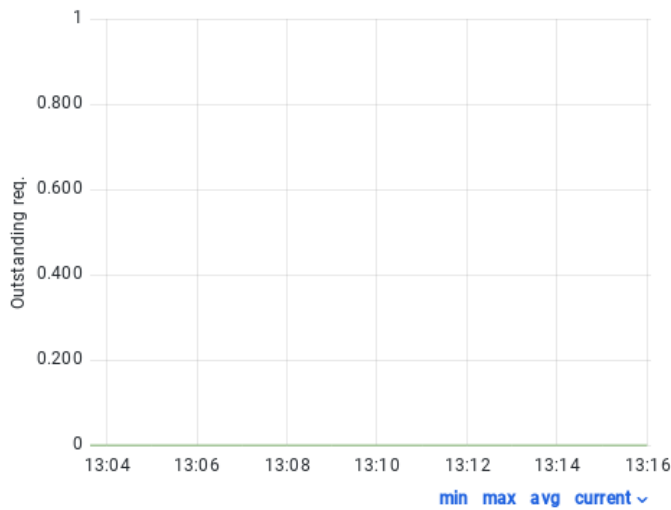
Systemd Units State



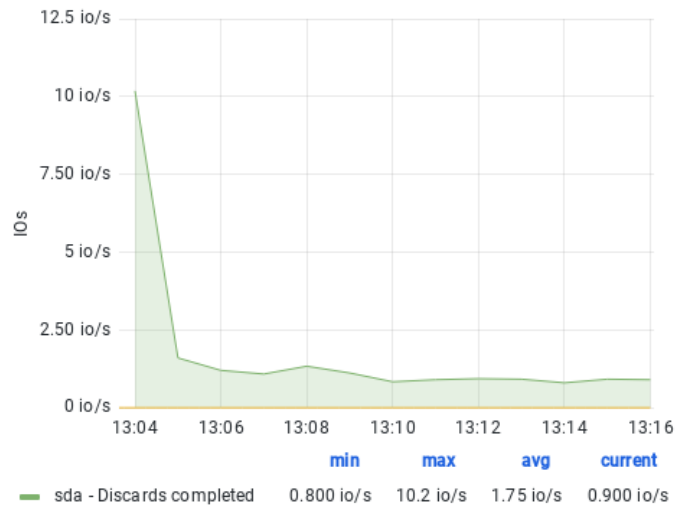


i

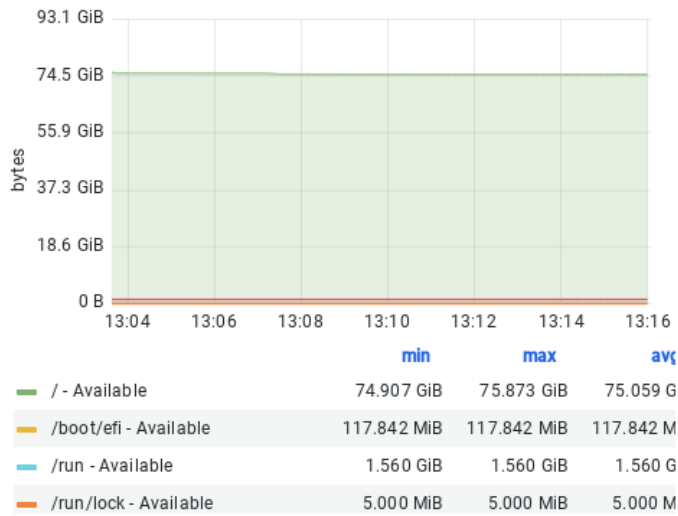
Instantaneous Queue Size



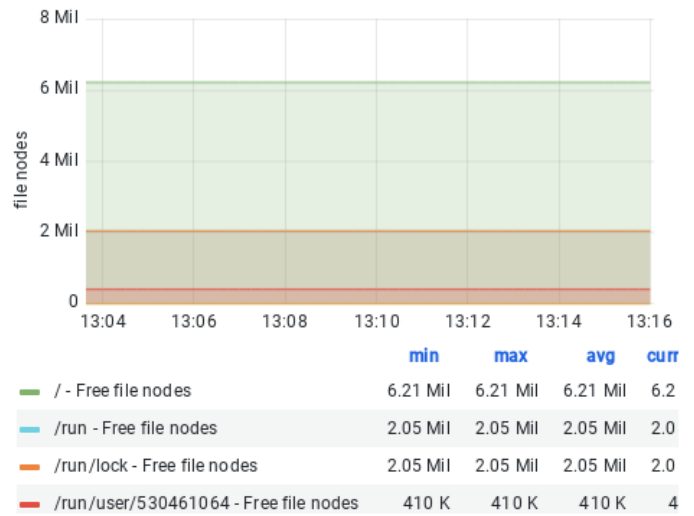
Disk IOps Discards completed / merged



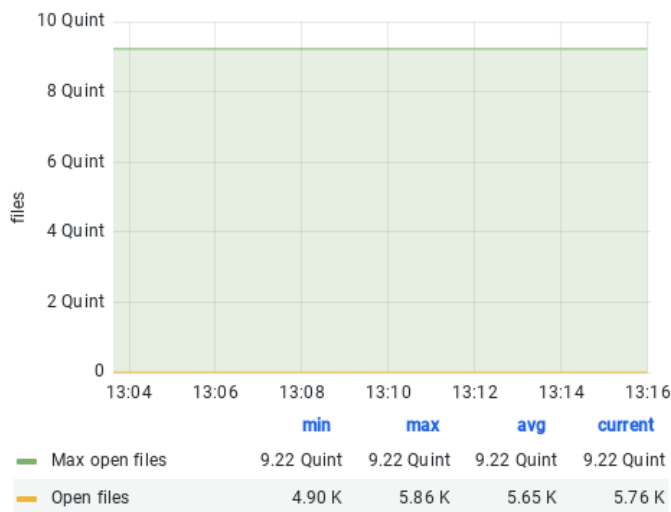
Filesystem space available



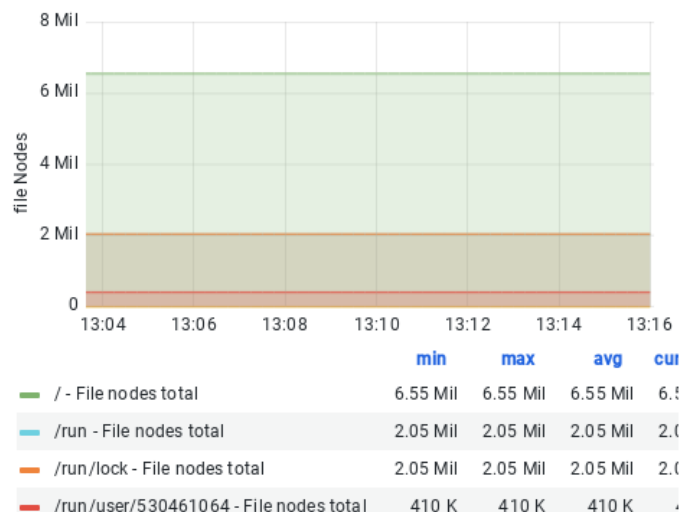
File Nodes Free



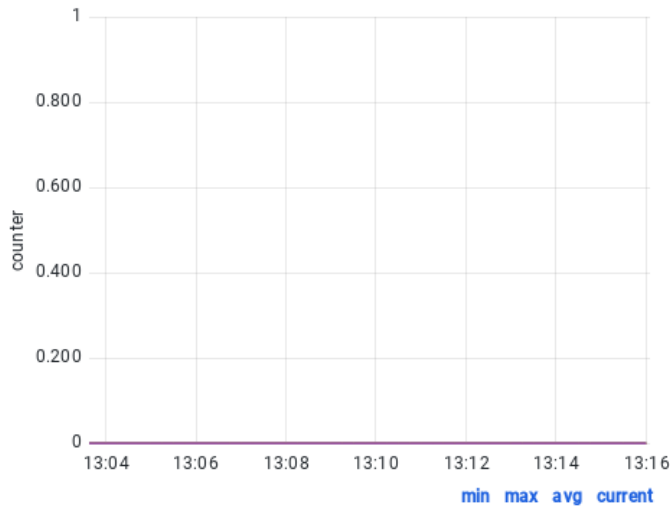
File Descriptor



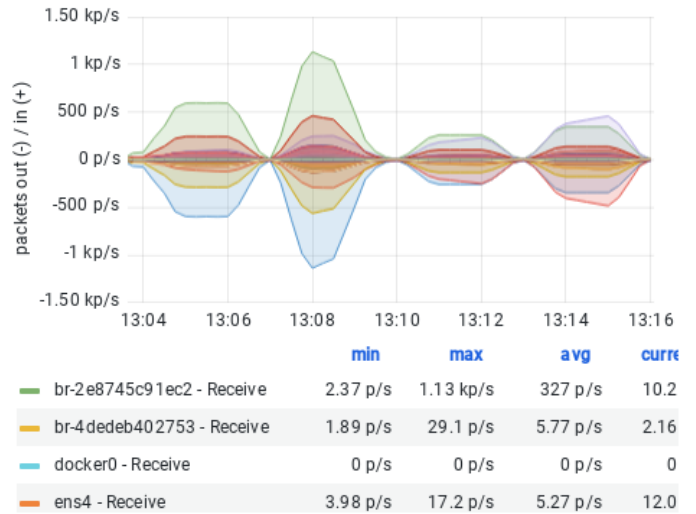
File Nodes Size



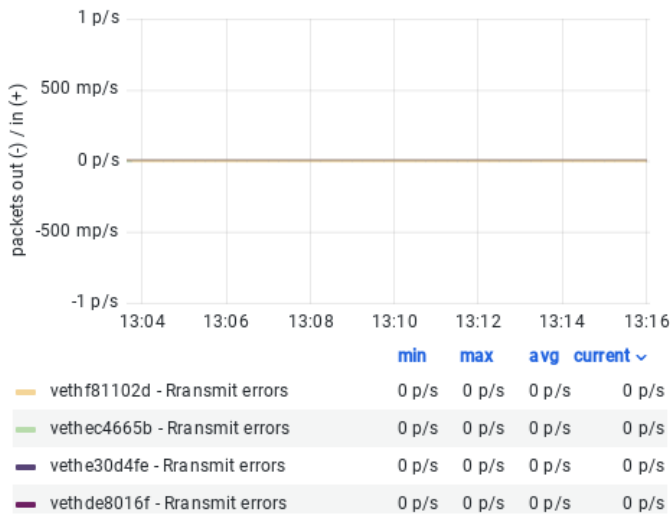
Filesystem in ReadOnly / Error



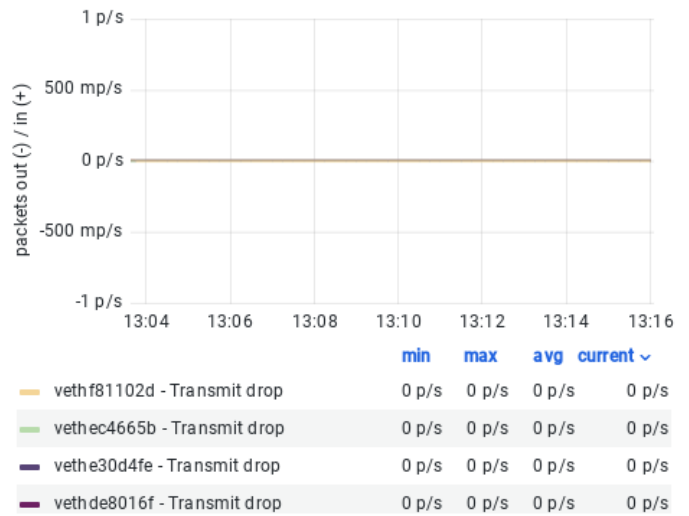
Network Traffic by Packets



Network Traffic Errors



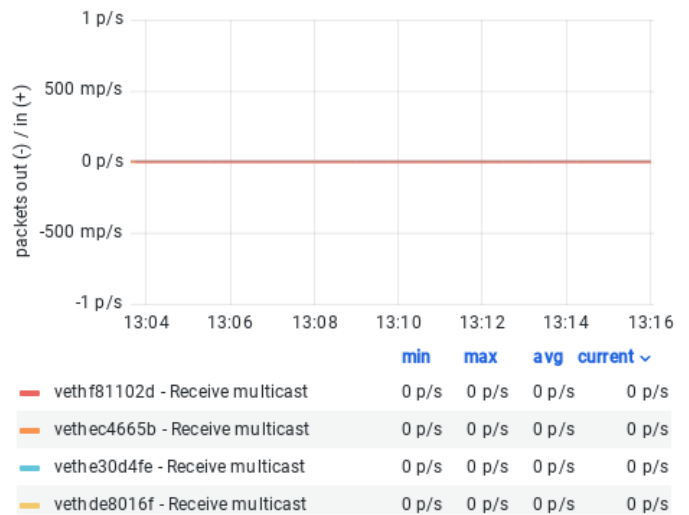
Network Traffic Drop



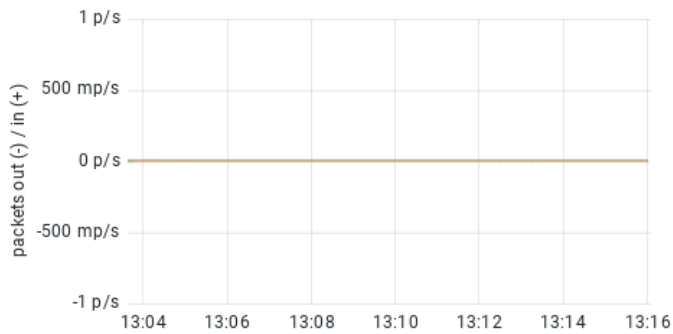
Network Traffic Compressed



Network Traffic Multicast

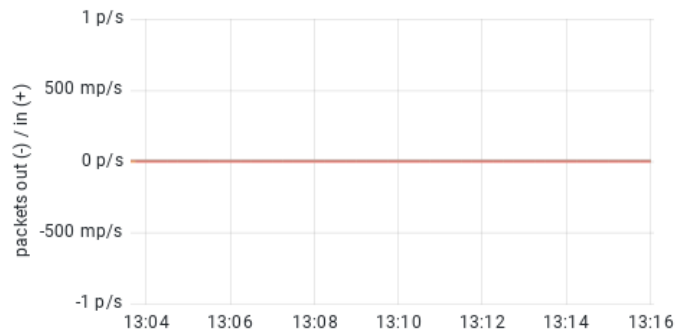


Network Traffic Fifo



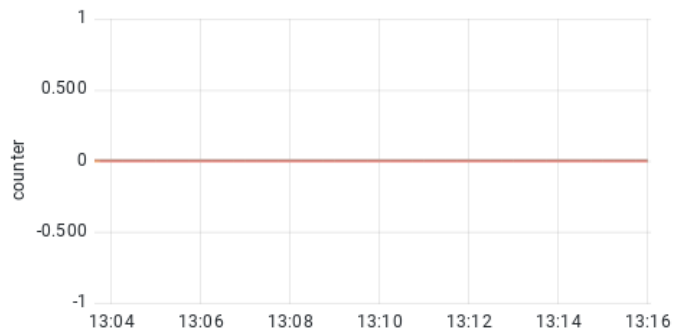
	min	max	avg	current
vethf81102d - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethec4665b - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethe30d4fe - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethde8016f - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



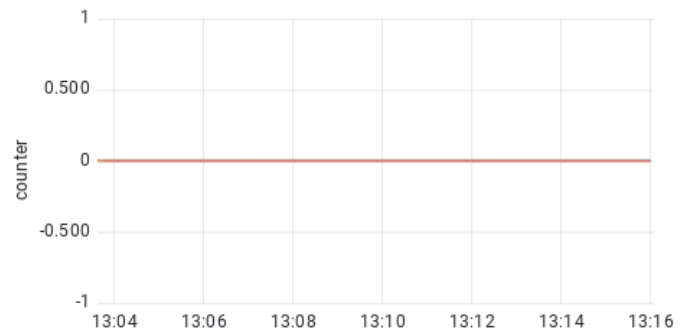
	min	max	avg	current
vethf81102d - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethec4665b - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethe30d4fe - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethde8016f - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



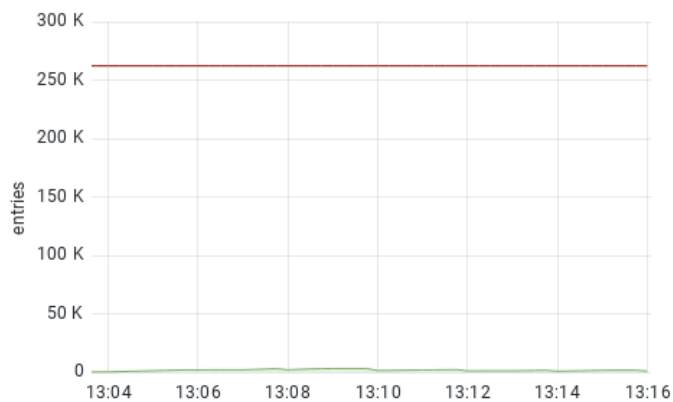
	min	max	avg	current
vethf81102d - Statistic transmit_carrier	0	0	0	0
vethec4665b - Statistic transmit_carrier	0	0	0	0
vethe30d4fe - Statistic transmit_carrier	0	0	0	0
vethde8016f - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



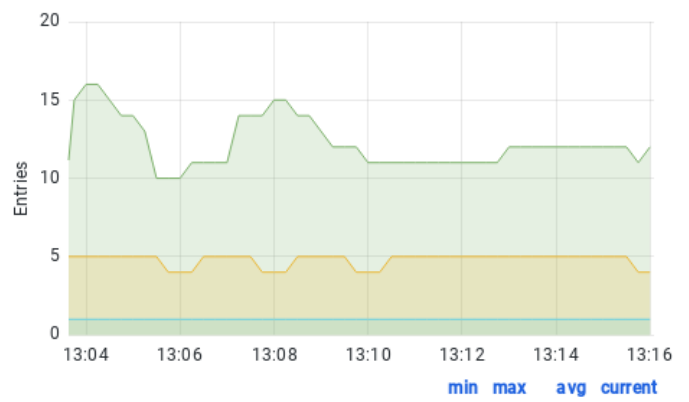
	min	max	avg	current
vethf81102d - Transmit colls	0	0	0	0
vethec4665b - Transmit colls	0	0	0	0
vethe30d4fe - Transmit colls	0	0	0	0
vethde8016f - Transmit colls	0	0	0	0

NF Contrack



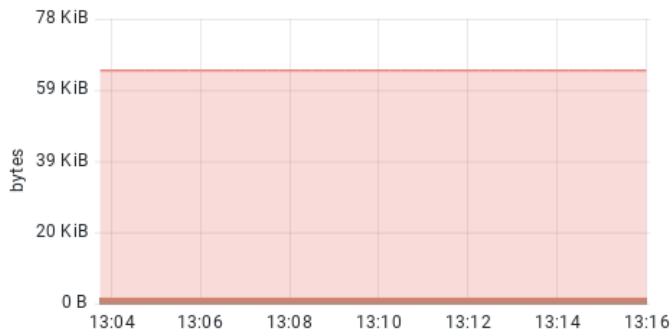
	min	max	avg	current
NF contrack entries	213	3.32 K	1.88 K	1.10 K
NF contrack limit	262 K	262 K	262 K	262 K

ARP Entries



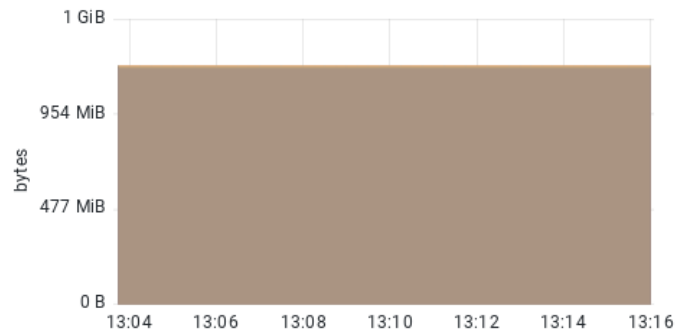
	min	max	avg	current
br-2e8745c91ec2 - ARP entries	7	16	12.2	12
br-4dedeb402753 - ARP entries	4	5	4.78	4
ens4 - ARP entries	1	1	1	1

MTU



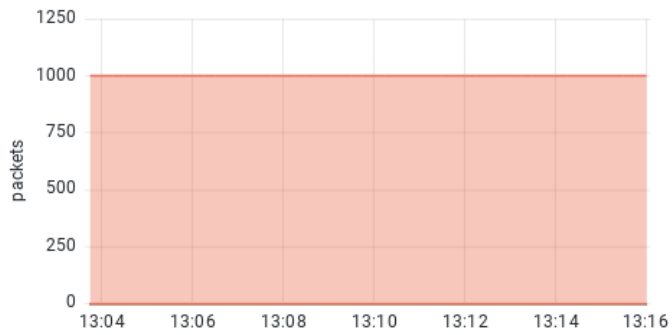
	min	max	avg	current
br-2e8745c91ec2 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-4dedeb402753 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
ens4 - Bytes	1.4 KiB	1.4 KiB	1.4 KiB	1.4 KiB

Speed



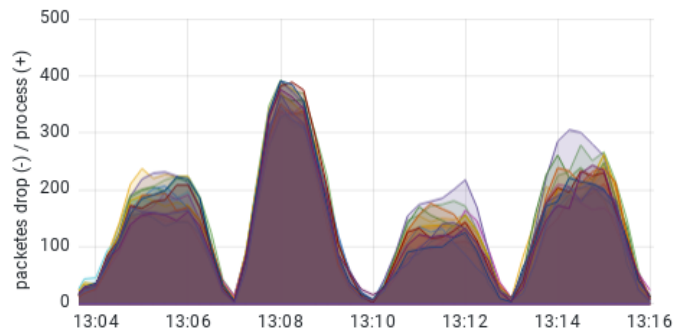
	min	max	avg	current
br-2e8745c91ec2 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-4dedeb402753 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
ens4 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB

Queue Length



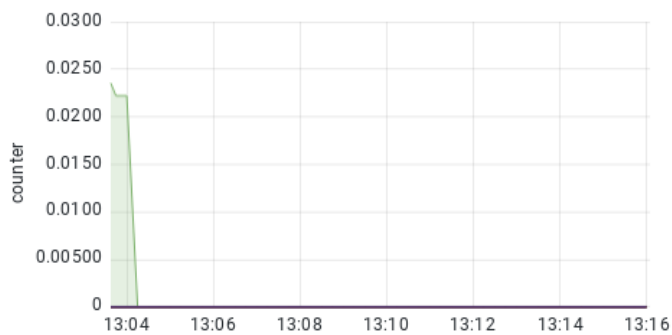
	min	max	avg	current
br-2e8745c91ec2 - Interface transmit queue length	0.0	0.0	0.0	0.0
br-4dedeb402753 - Interface transmit queue length	0.0	0.0	0.0	0.0
docker0 - Interface transmit queue length	0.0	0.0	0.0	0.0
ens4 - Interface transmit queue length	1000.0	1000.0	1000.0	1000.0

Softnet Packets



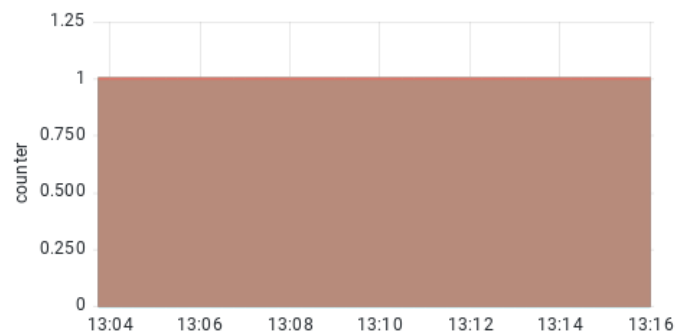
	min	max	avg	current
CPU 14 - Processed	6.80	349	123	24.1
CPU 4 - Processed	3.37	346	124	16.7
CPU 1 - Processed	2.33	385	144	15.5
CPU 10 - Processed	4.73	340	123	14.7

Softnet Out of Quota



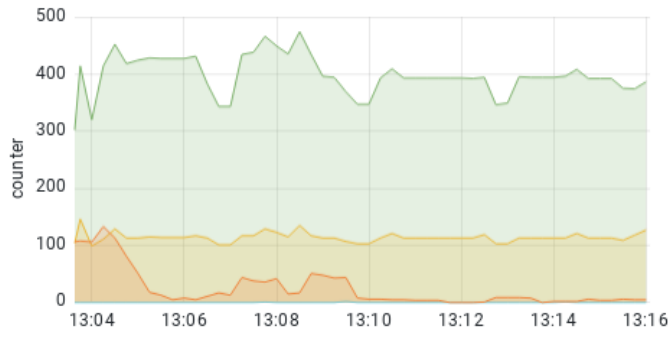
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status



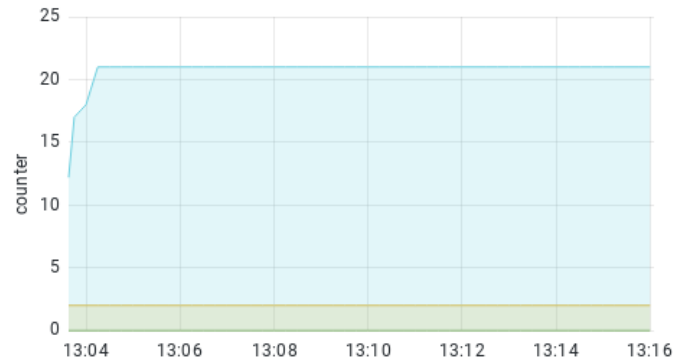
	min	max	avg	current
vethf81102d - Physical link state	1	1	1	1
vethec4665b - Physical link state	1	1	1	1
vethe30d4fe - Physical link state	1	1	1	1
vethde8016f - Physical link state	1	1	1	1

Sockstat TCP



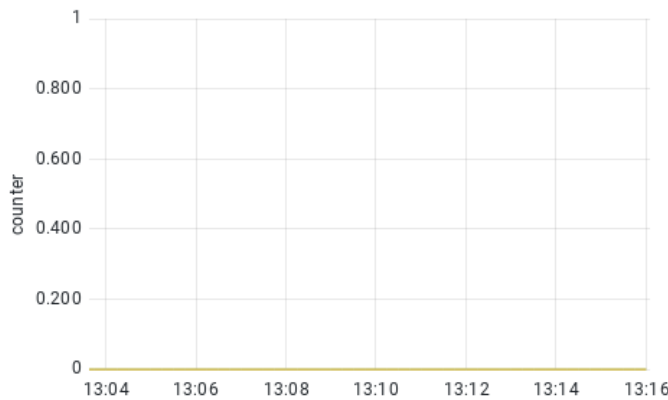
	min	max	avg	current
TCP_alloc - Allocated sockets	181	474	395	386
TCP_inuse - Tcp sockets currently in use	58	146	113	127
TCP_orphan - Orphan sockets	0	2	0.0784	0
TCP_tw - Sockets wating close	0	133	25.1	5

Sockstat UDP



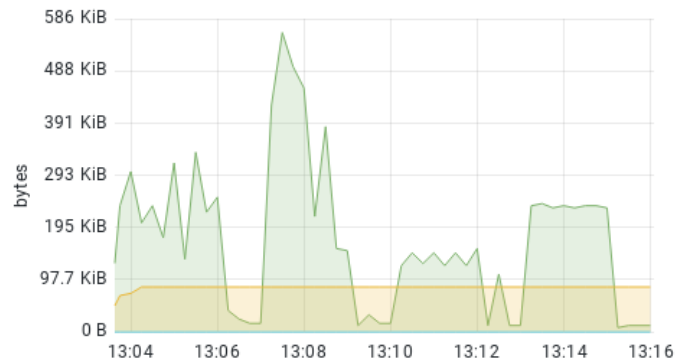
	min	max	avg	current
UDPLITE_inuse - Udp sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	2	2	2	2
UDP_mem - Used memory for udp	7	21	20.6	21

Sockstat FRAG / RAW



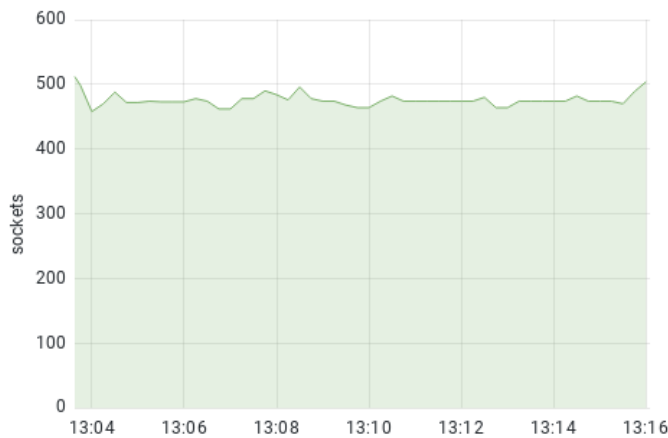
	min	max	avg	current
FRAG_inuse - Frag sockets currently in use	0	0	0	0
RAW_inuse - Raw sockets currently in use	0	0	0	0

Sockstat Memory Size



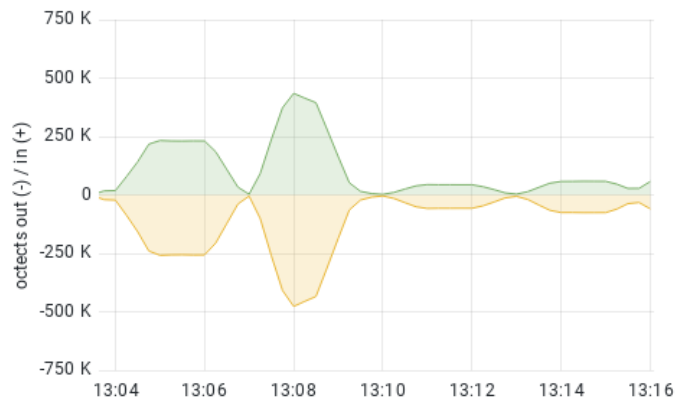
	min	max	avg	current
mem_bytes - TCP sockets in that state	8 KiB	560 KiB	169 KiB	12 K
mem_bytes - UDP sockets in that state	28 KiB	84 KiB	82.4 KiB	84 K
FRAG_memory - Used memory for frag	0 B	0 B	0 B	0

Sockstat Used



	min	max	avg	current
Sockets_used - Sockets currently in use	458	526	476	504

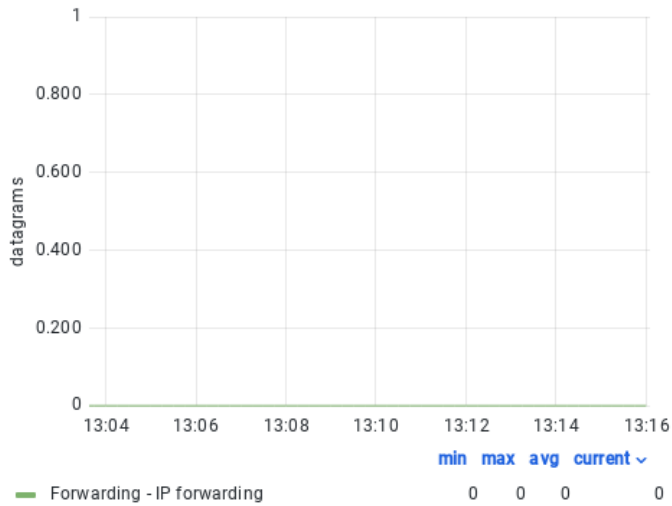
Netstat IP In / Out Octets



	min	max	avg	current
OutOctets - Sent octets	3.87 K	476 K	119 K	59.0 K
InOctets - Received octets	2.79 K	435 K	105 K	57.7 K



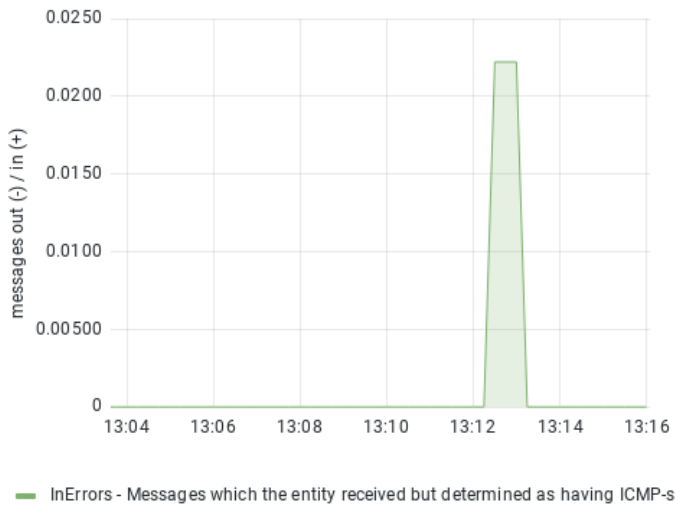
Netstat IP Forwarding



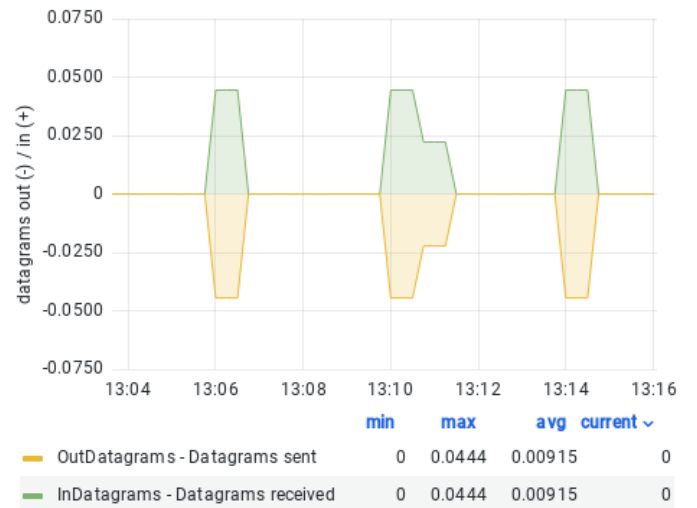
ICMP In / Out



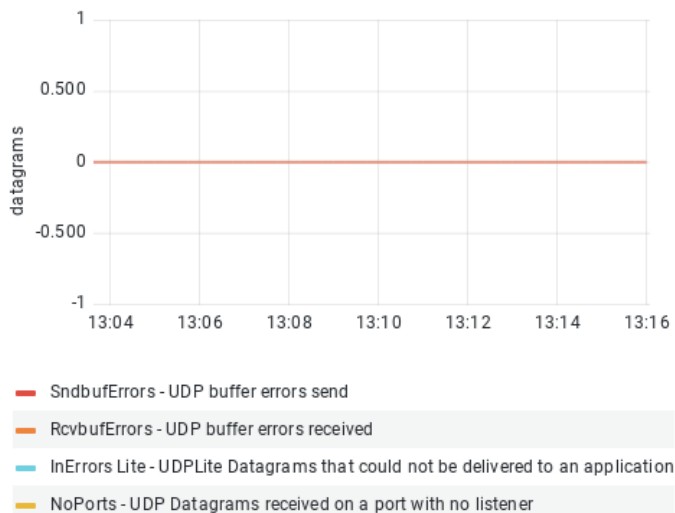
ICMP Errors



UDP In / Out



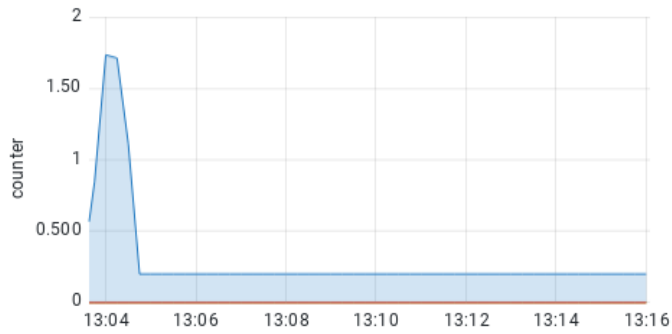
UDP Errors



TCP In / Out

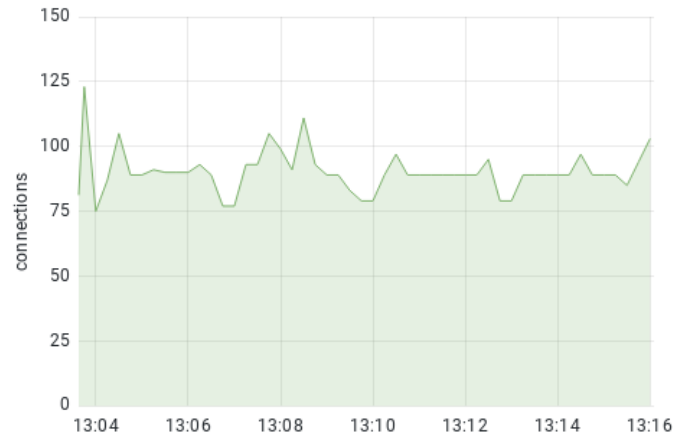


TCP Errors



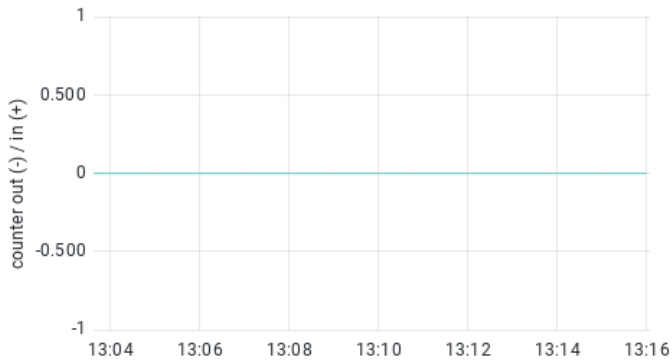
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



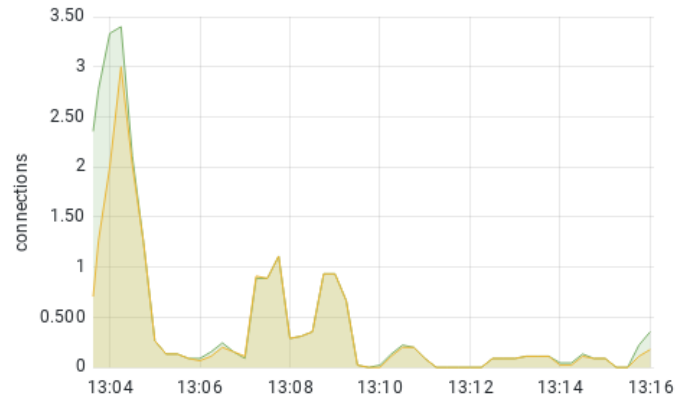
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



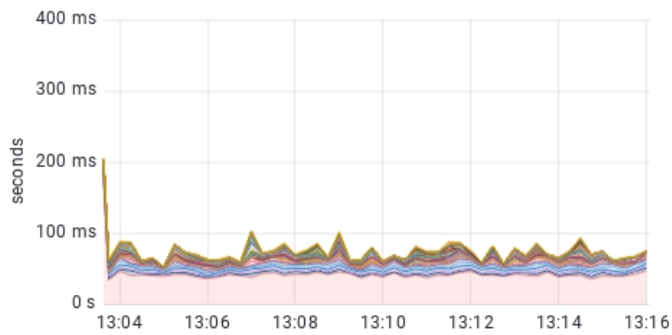
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



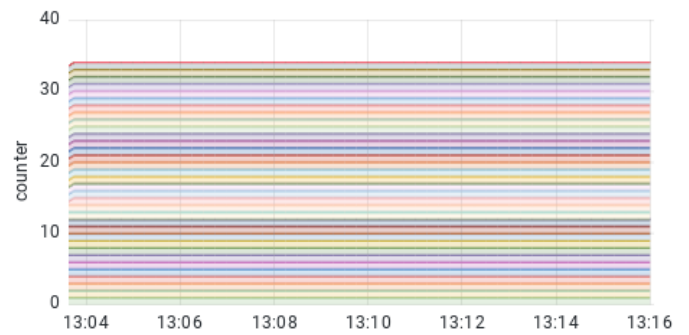
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	34.9 ms	323 ms	47.2 ms	47.8
filesystem - Scrape duration	1.12 ms	6.92 ms	2.99 ms	4.23
netstat - Scrape duration	699 $\mu$ s	4.77 ms	2.19 ms	3.26
cpu - Scrape duration	1.34 ms	5.05 ms	3.48 ms	3.05

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