

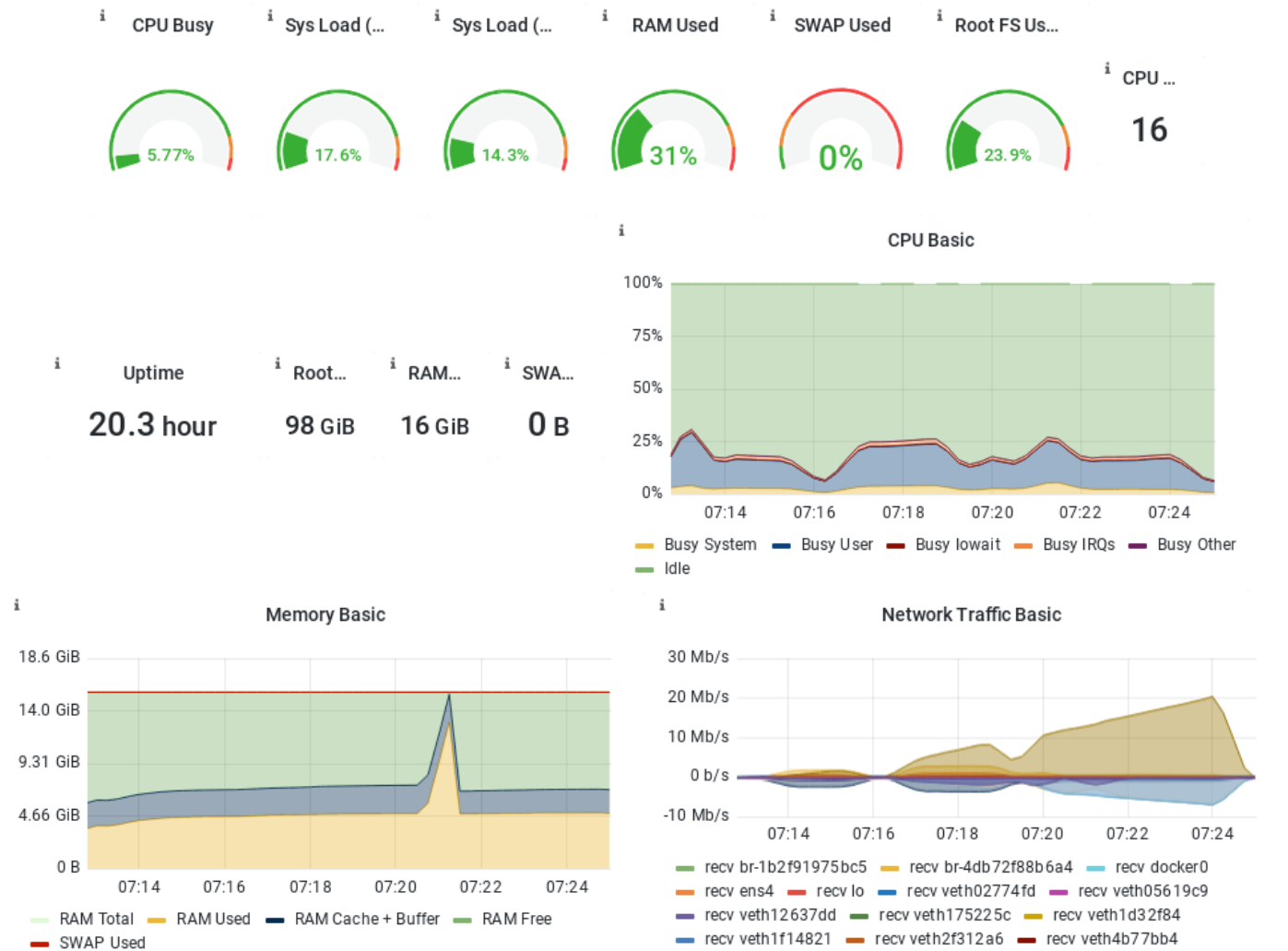
# Host Metrics

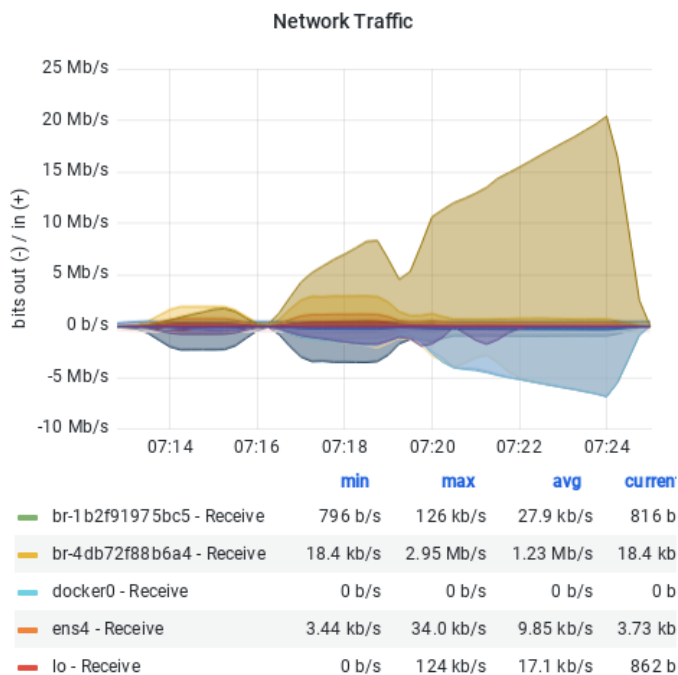
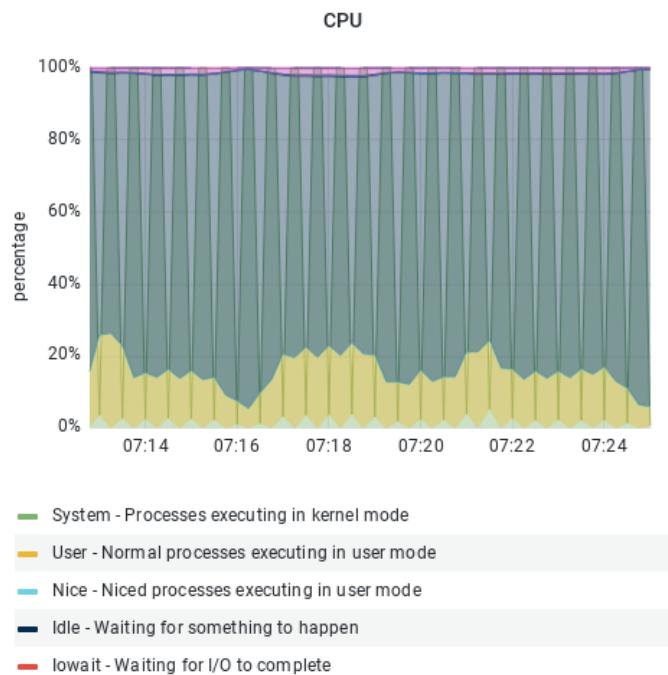
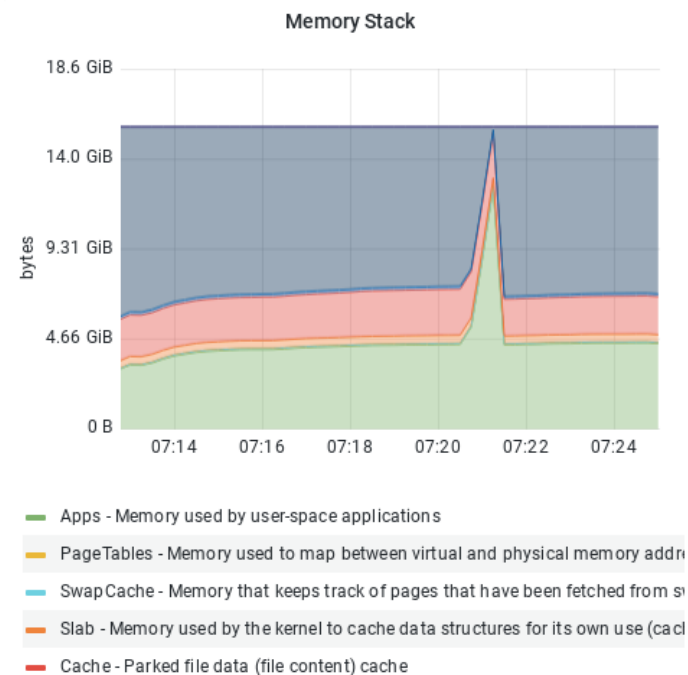
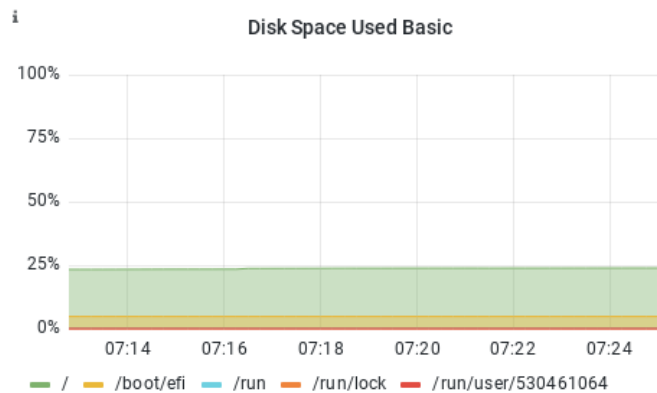
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Fri Oct 21 07:12:47 UTC 2022

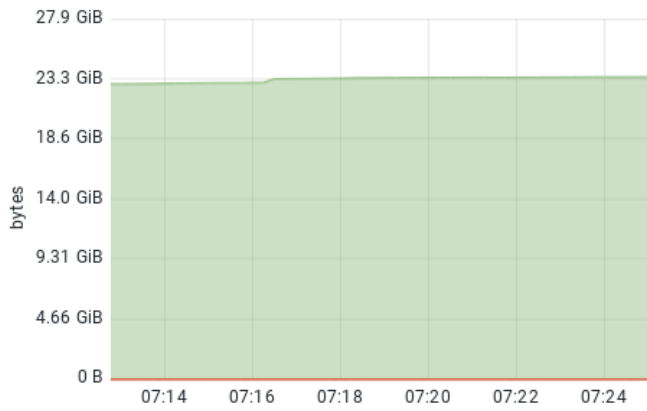
to

Fri Oct 21 07:25:02 UTC 2022



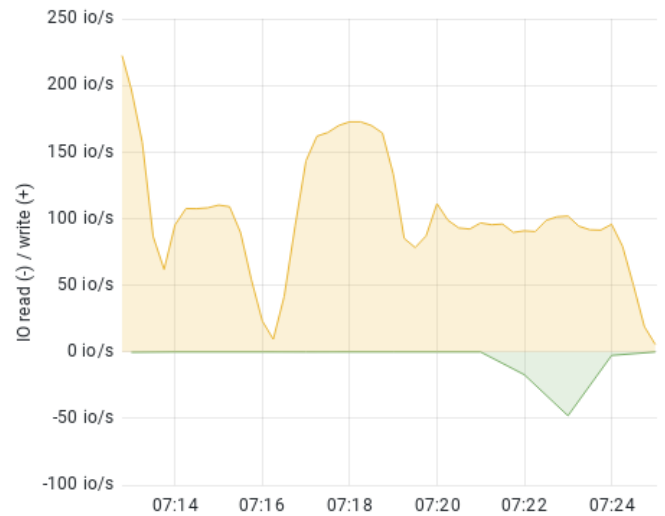


Disk Space Used



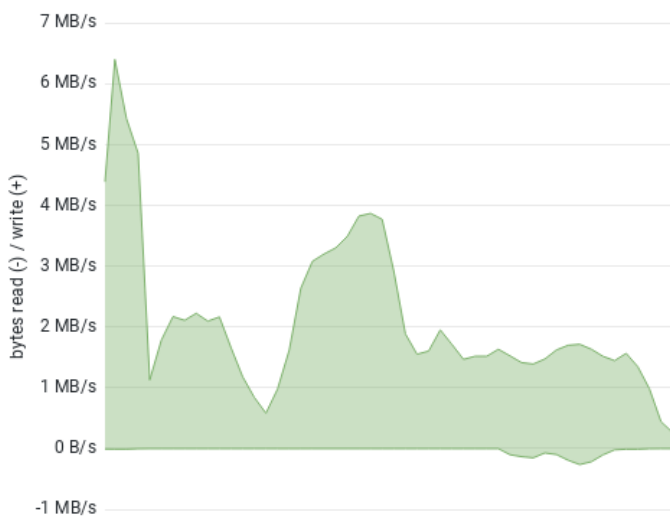
	min	max	avg	current ^
/run/lock	0.000 B	0.000 B	0.000 B	0.000 B
/run/user/530461064	0.000 B	0.000 B	0.000 B	0.000 B
/run	3.492 MiB	3.570 MiB	3.569 MiB	3.570 MiB
/boot/efi	5.898 MiB	5.898 MiB	5.898 MiB	5.898 MiB
/	22.892 GiB	23.433 GiB	23.248 GiB	23.433 GiB

Disk IOps



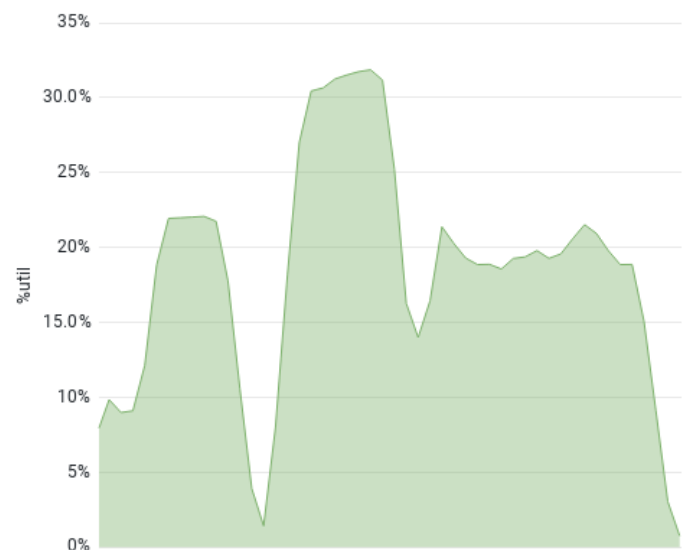
	min	max	avg	current
sda - Reads completed	0 io/s	47.9 io/s	5.22 io/s	0 io/s
sda - Writes completed	5.64 io/s	227 io/s	103 io/s	5.64 io/s

I/O Usage Read / Write



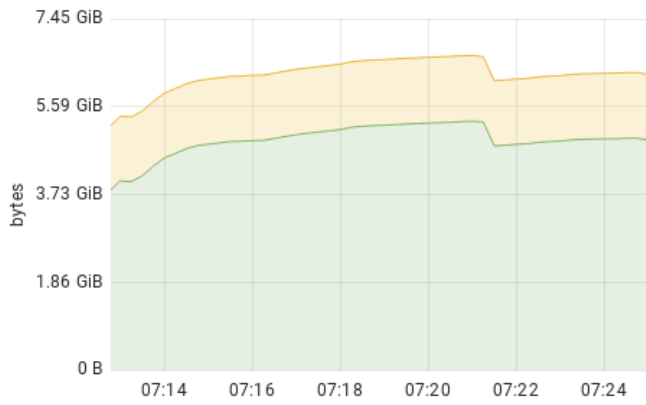
	min	max	avg
sda - Successfully read bytes	0.000 B/s	261.871 kB/s	27.831 kB/s
sda - Successfully written bytes	264.238 kB/s	6.395 MB/s	2.124 MB/s

I/O Utilization



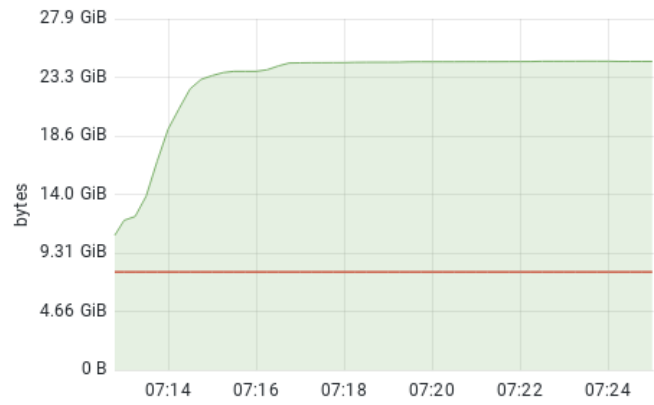
	min	max	avg	current
sda	0.747%	31.858%	18.331%	0.747%

Memory Active / Inactive



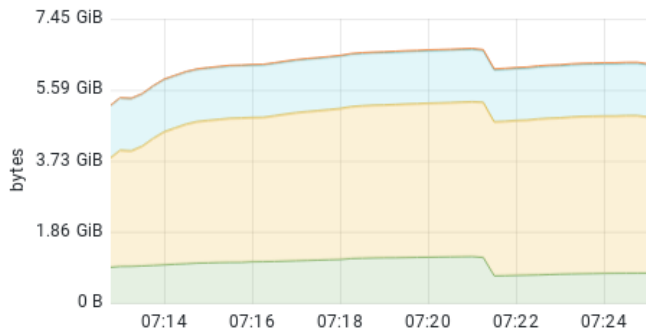
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



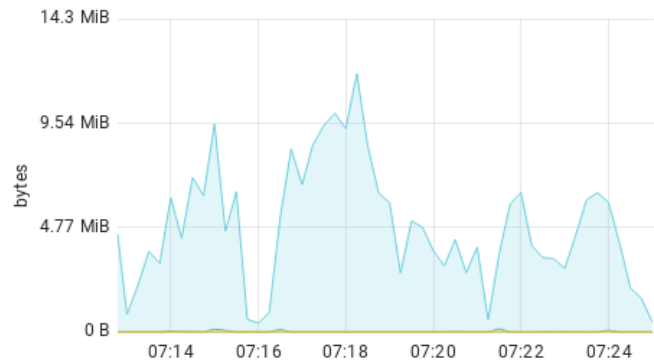
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



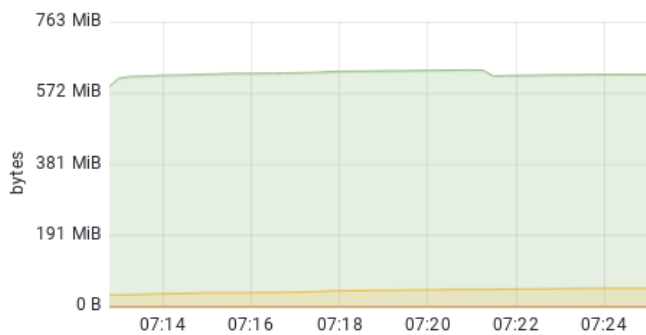
— Inactive\_file - File-backed memory on inactive LRU list  
 — Inactive\_anon - Anonymous and swap cache on inactive LRU list, including tmp  
 — Active\_file - File-backed memory on active LRU list  
 — Active\_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



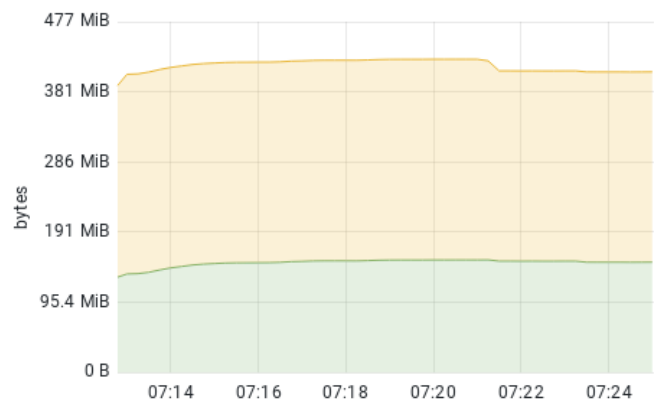
— Writeback - Memory which is actively being written back to disk  
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers  
 — Dirty - Memory which is waiting to get written back to the disk 408.

Memory Shared and Mapped



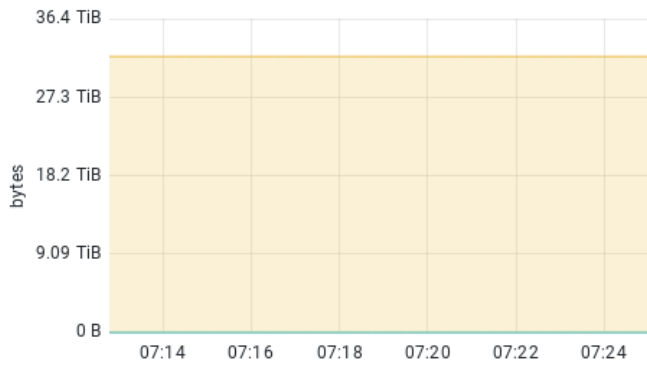
— Mapped - Used memory in mapped pages files which have been mmaped, such  
 — Shmem - Used shared memory (shared between several processes, thus includ  
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc  
 — ShmemPmdMapped - Ammount of shared (shmem/tmpfs) memory backed by

Memory Slab



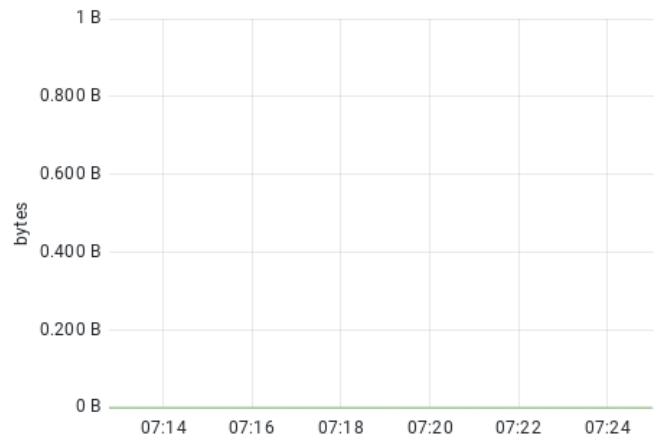
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 12  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches 25

Memory Vmalloc



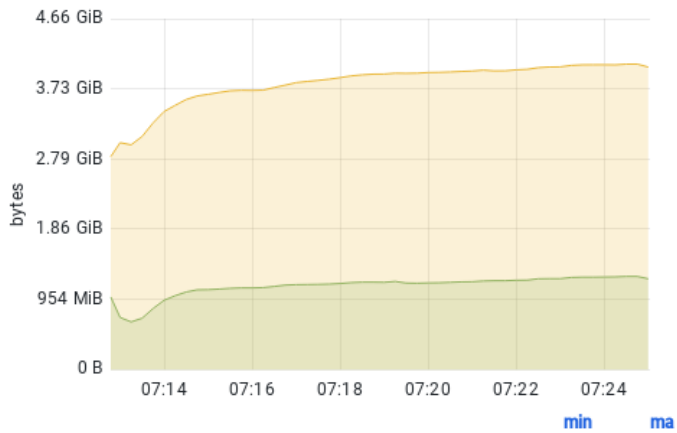
VmallocChunk - Largest contiguous block of vmalloc area which is free	36.4 TiB
VmallocTotal - Total size of vmalloc memory area	32.0 TiB
VmallocUsed - Amount of vmalloc area which is used	37.1 GiB

Memory Bounce



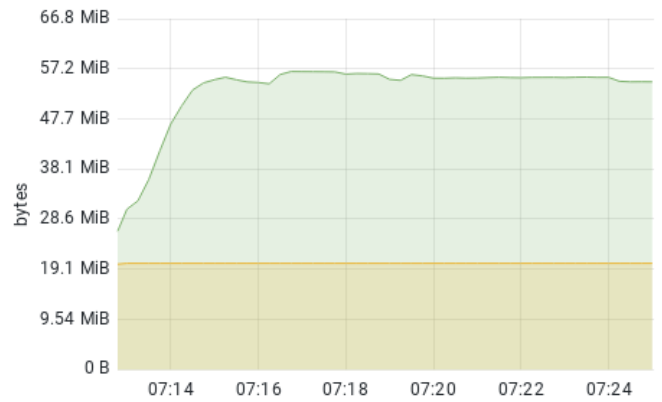
Bounce - Memory used for block device bounce buffers	0.00 B	0.00 B	0.00 B
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Memory Anonymous



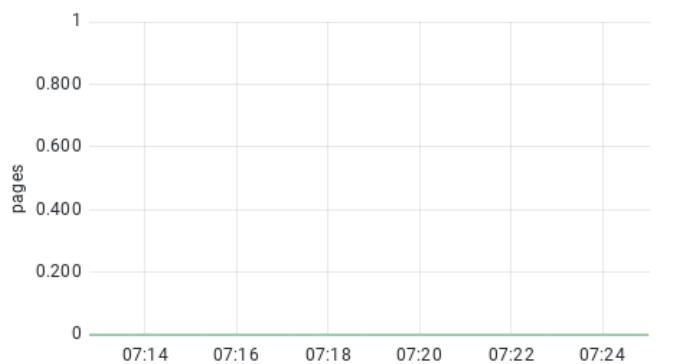
AnonHugePages - Memory in anonymous huge pages	646.00 MiB	1.23 GiB
AnonPages - Memory in user pages not backed by files	2.79 GiB	4.05 GiB

Memory Kernel / CPU



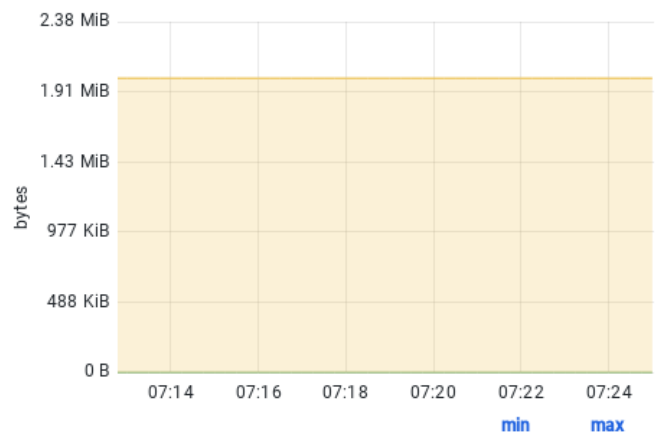
KernelStack - Kernel memory stack. This is not reclaimable	25.5 MiB	57.2 MiB
PerCPU - Per CPU memory allocated dynamically by loadable modules	20.0 MiB	19.1 MiB

Memory HugePages Counter



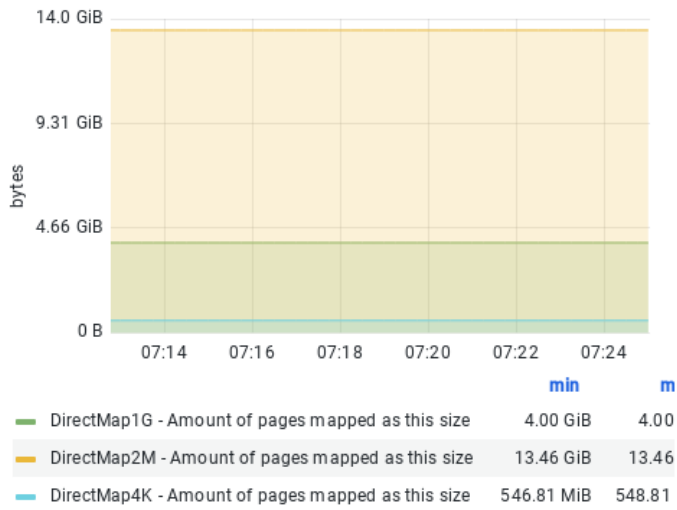
HugePages_Free - Huge pages in the pool that are not yet allocated	0
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	0
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	0

Memory HugePages Size

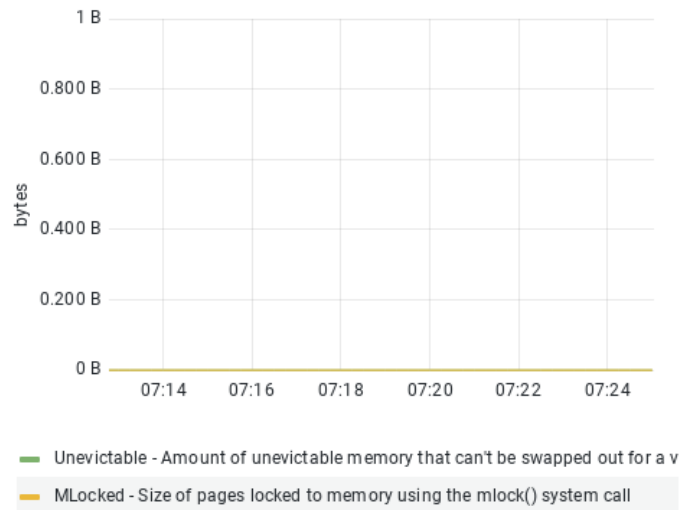


HugePages - Total size of the pool of huge pages	0.00 B	0.00 B
Hugesize - Huge Page size	2.00 MiB	2.00 MiB

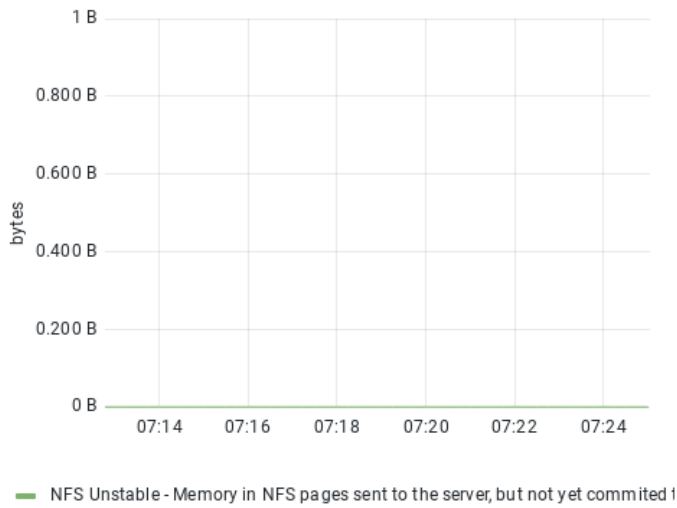
Memory DirectMap



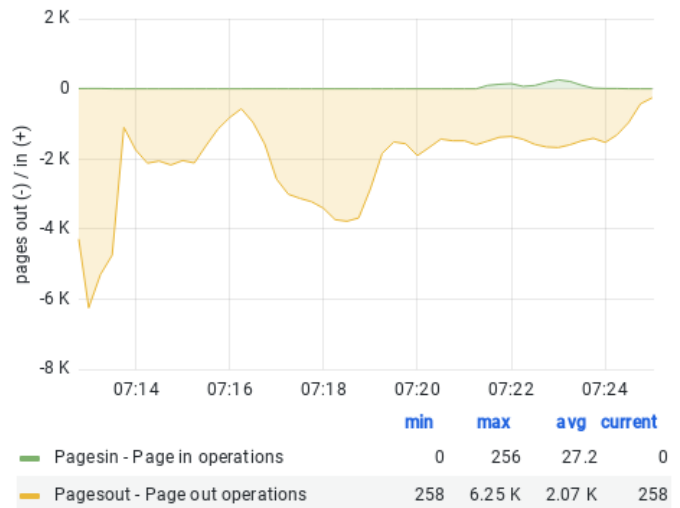
Memory Unevictable and MLocked



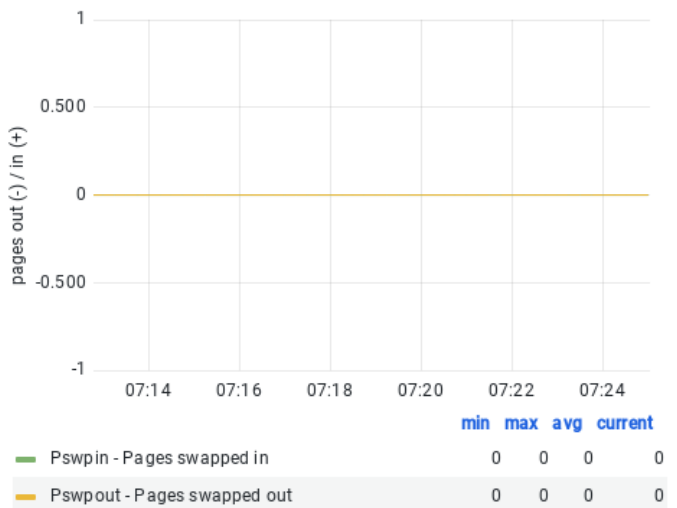
Memory NFS



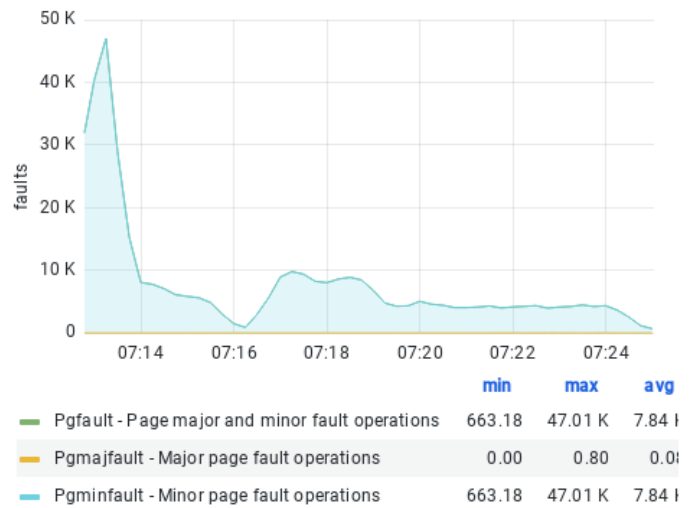
Memory Pages In / Out



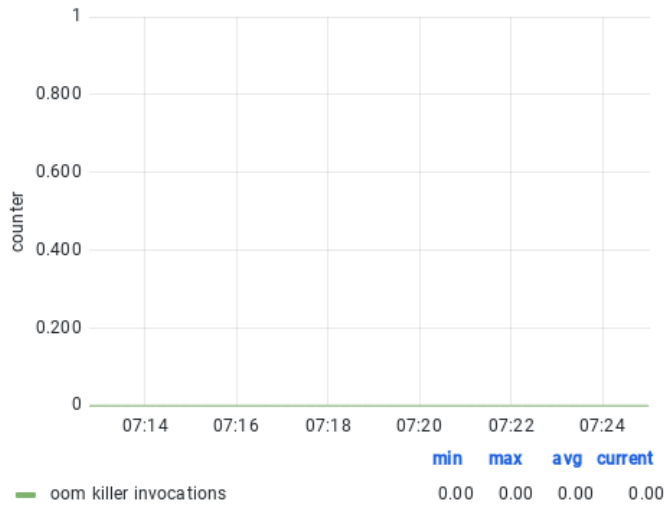
Memory Pages Swap In / Out



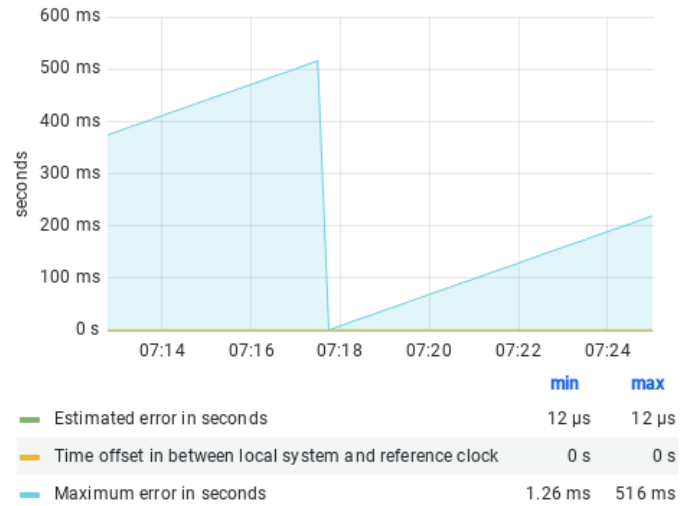
Memory Page Faults



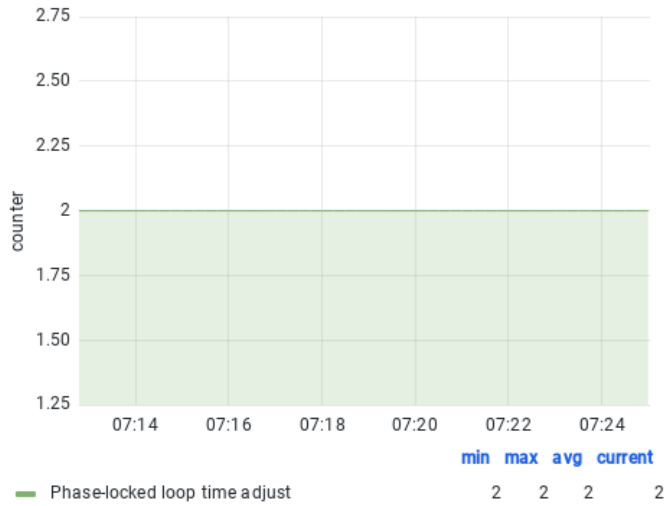
OOM Killer



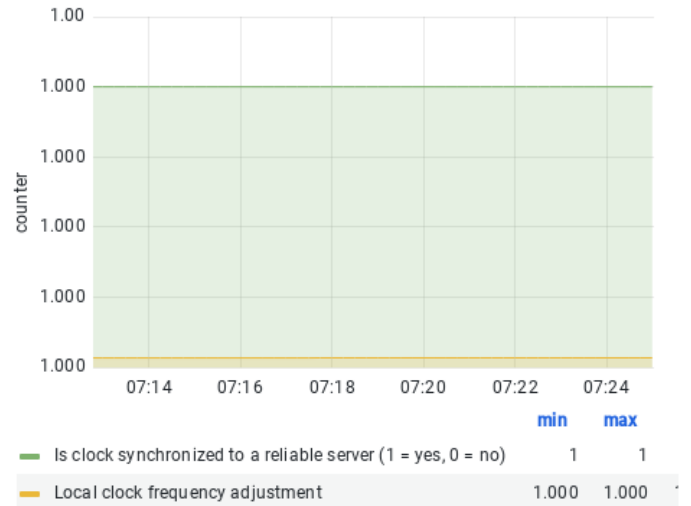
Time Synchronized Drift



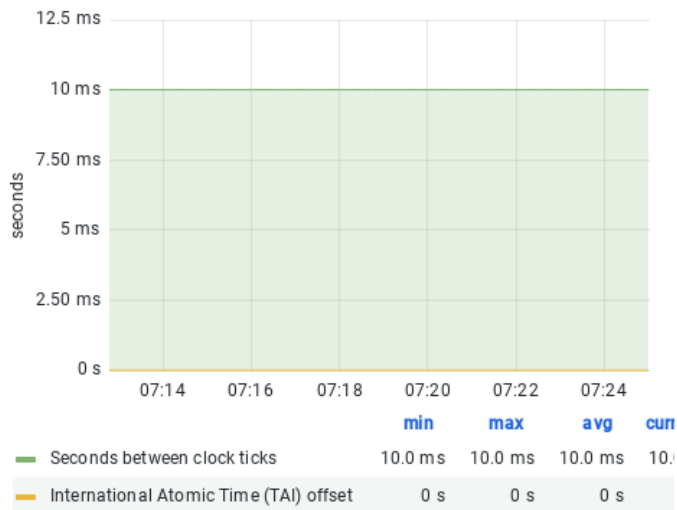
Time PLL Adjust



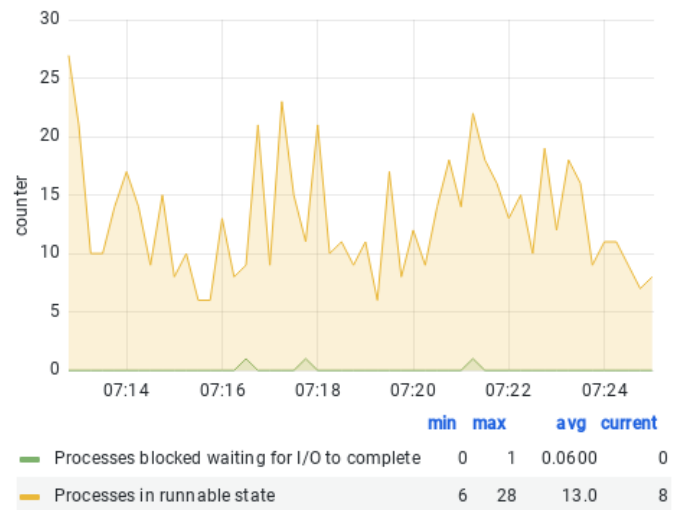
Time Synchronized Status

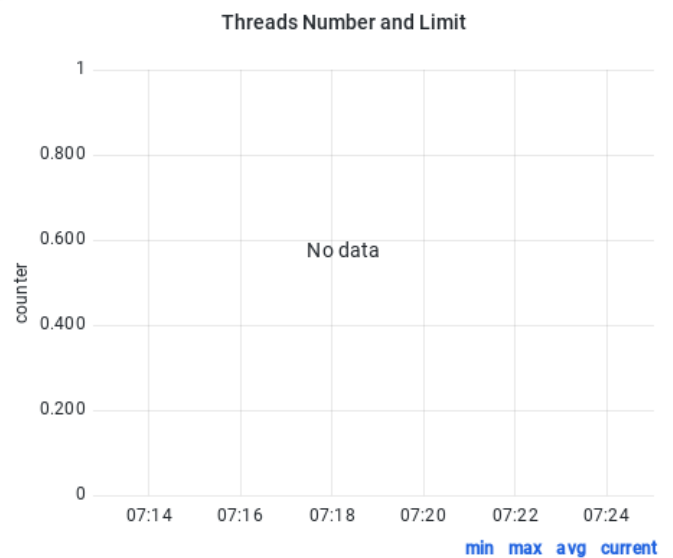
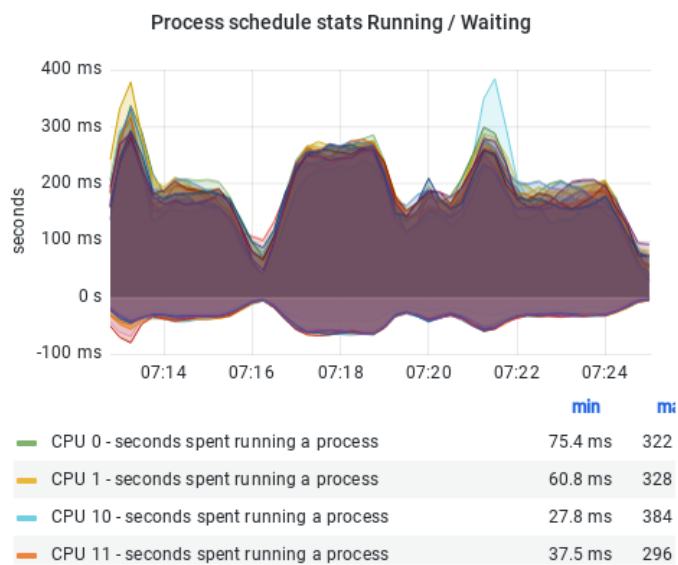
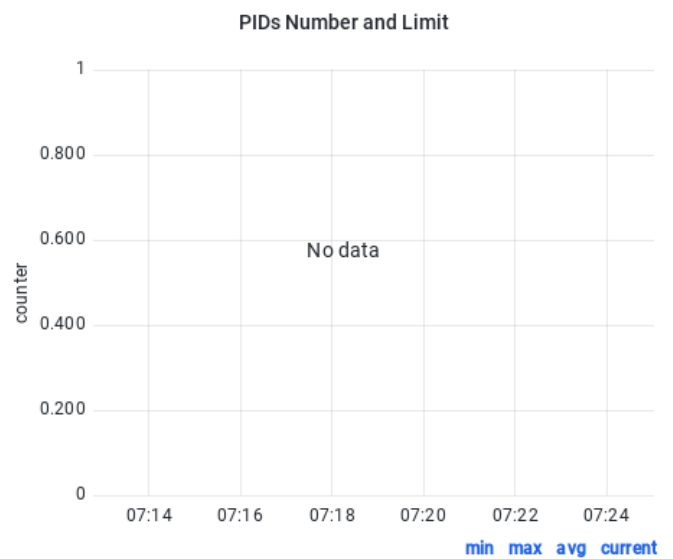
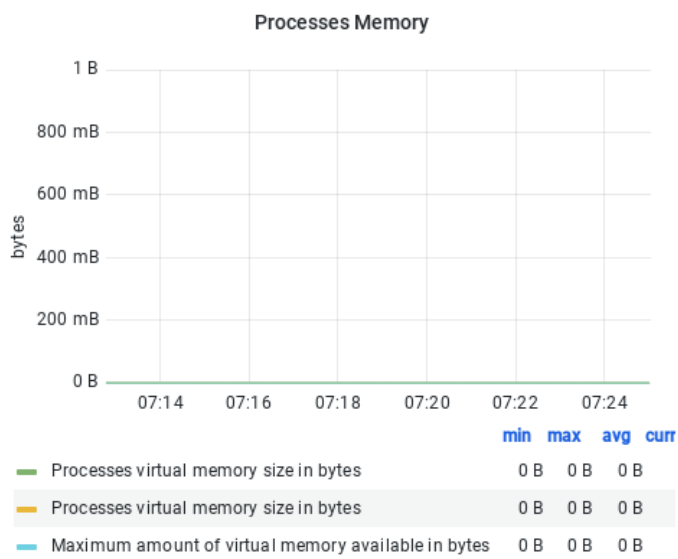
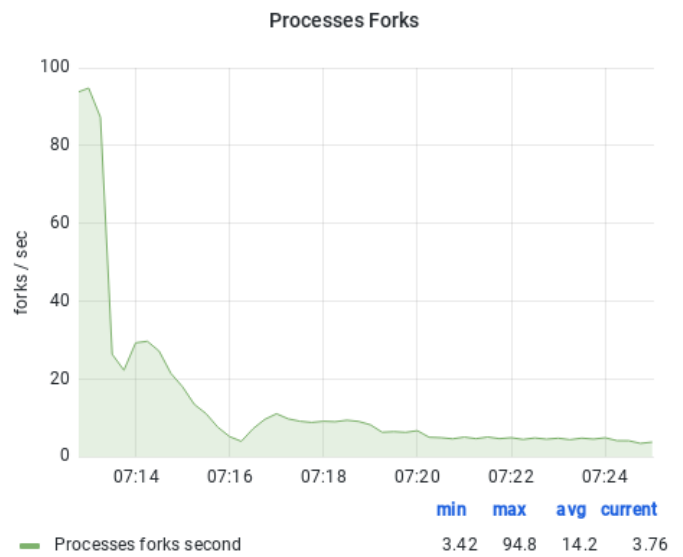
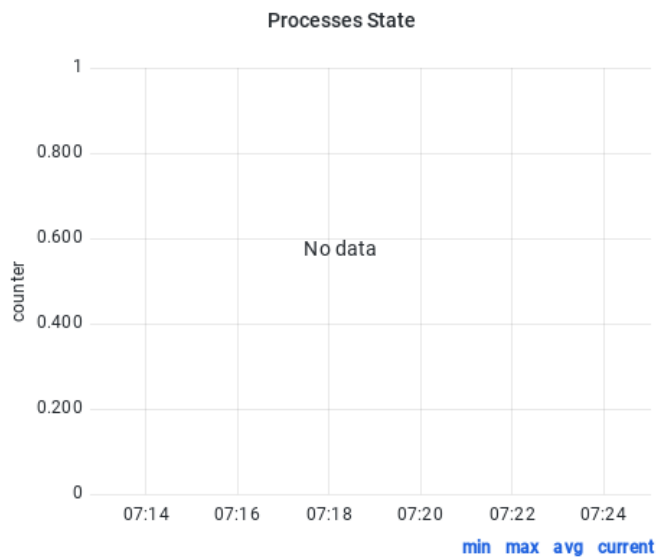


Time Misc



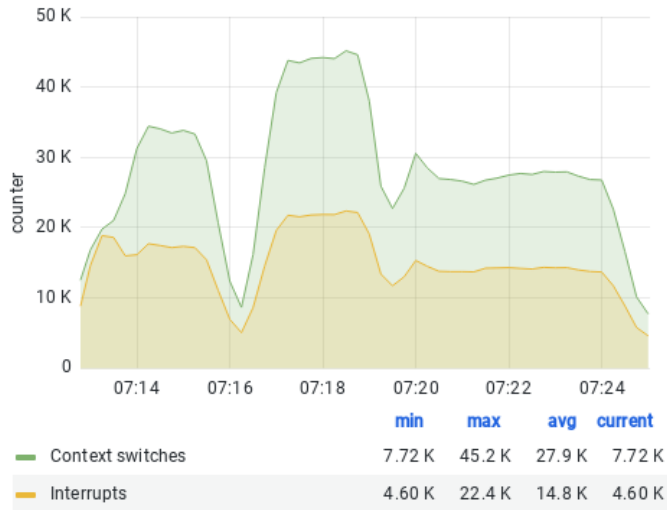
Processes Status



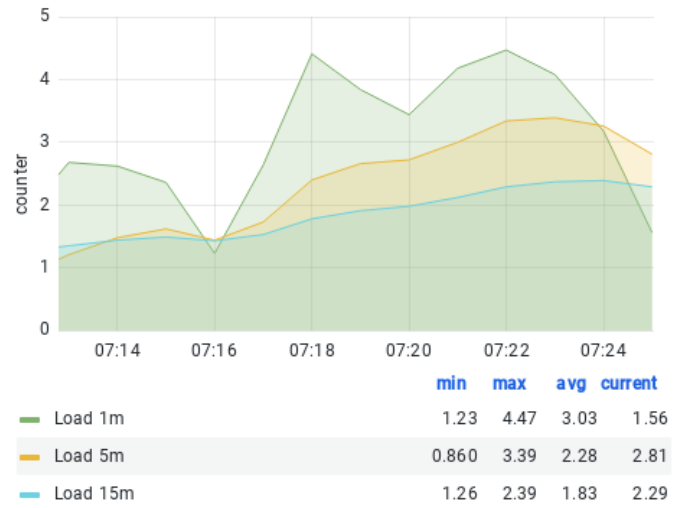




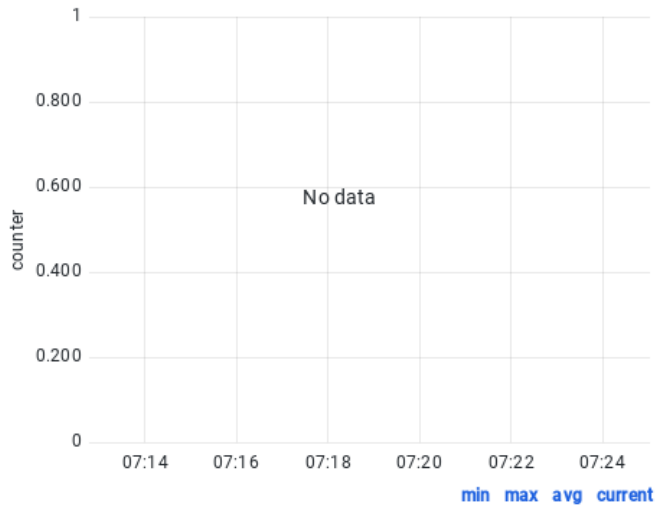
Context Switches / Interrupts



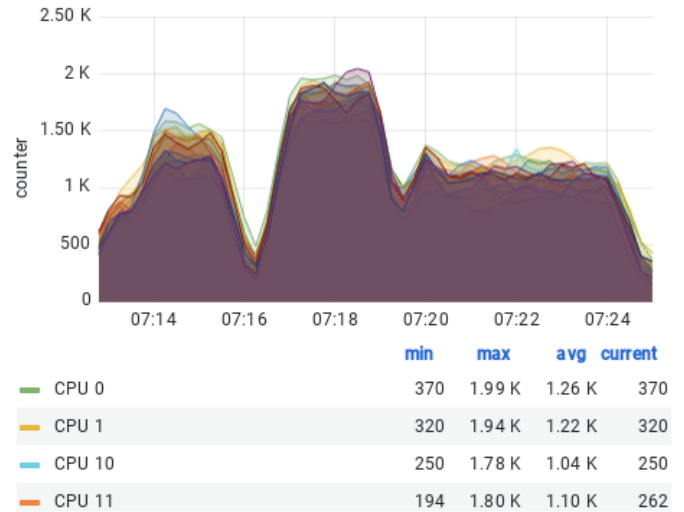
System Load



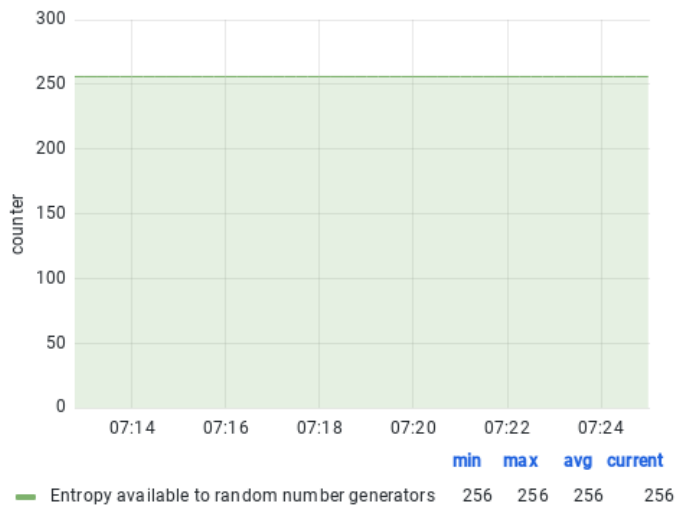
Interrupts Detail



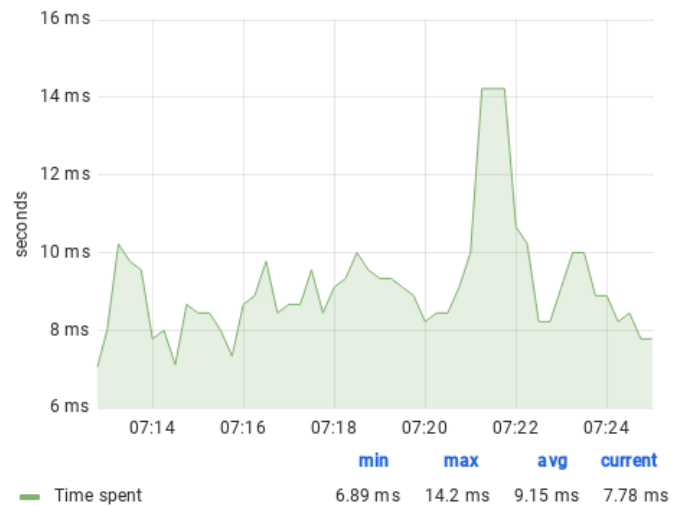
Schedule timeslices executed by each cpu



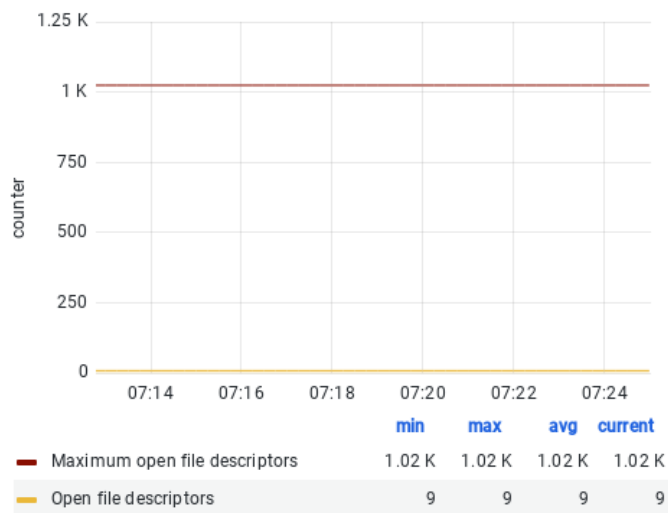
Entropy



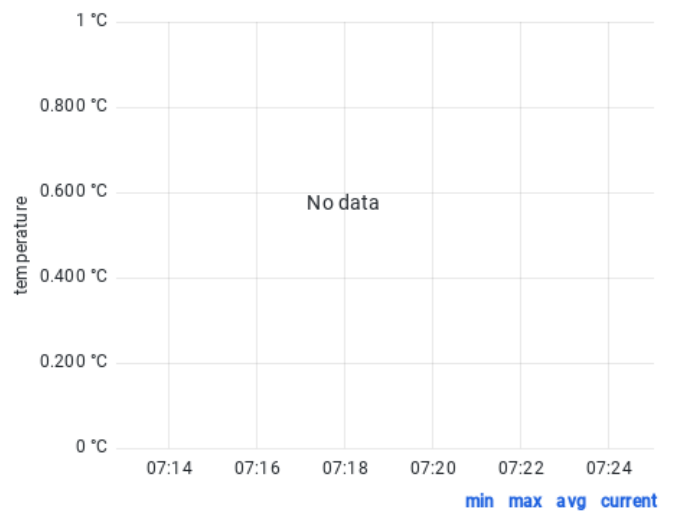
CPU time spent in user and system contexts



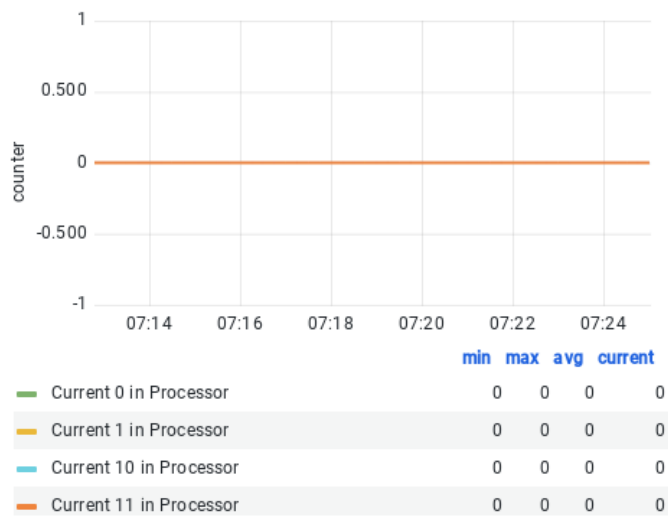
File Descriptors



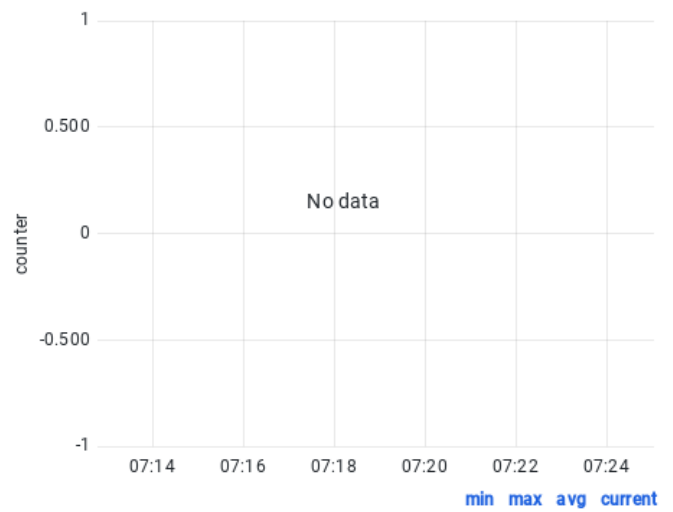
Hardware temperature monitor



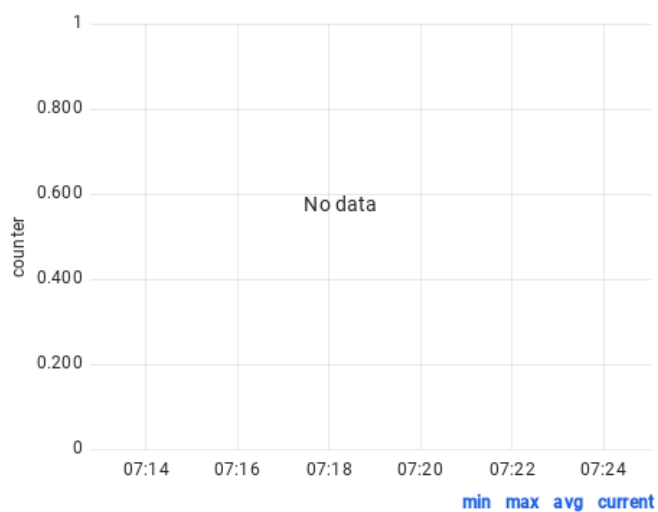
Throttle cooling device



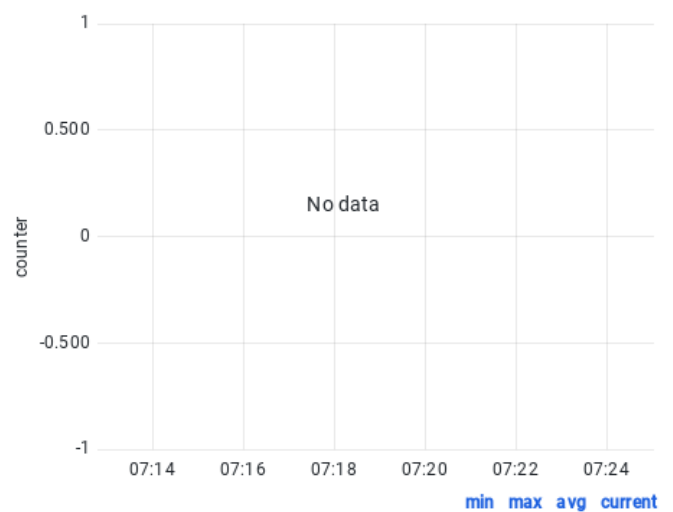
Power supply

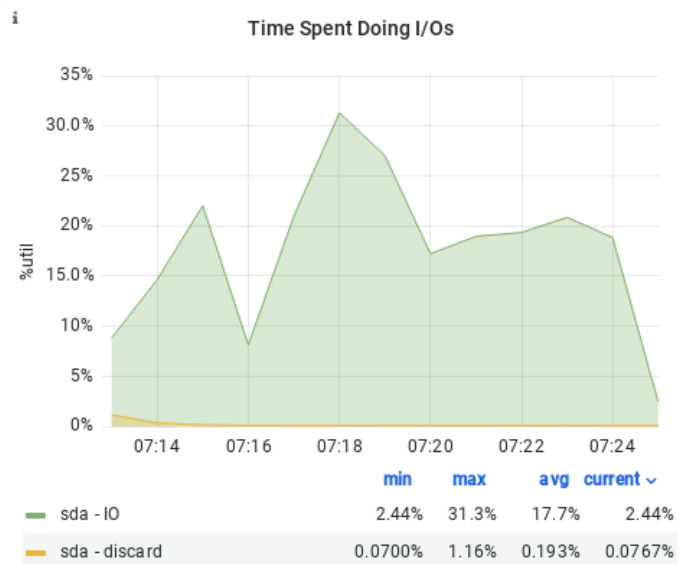
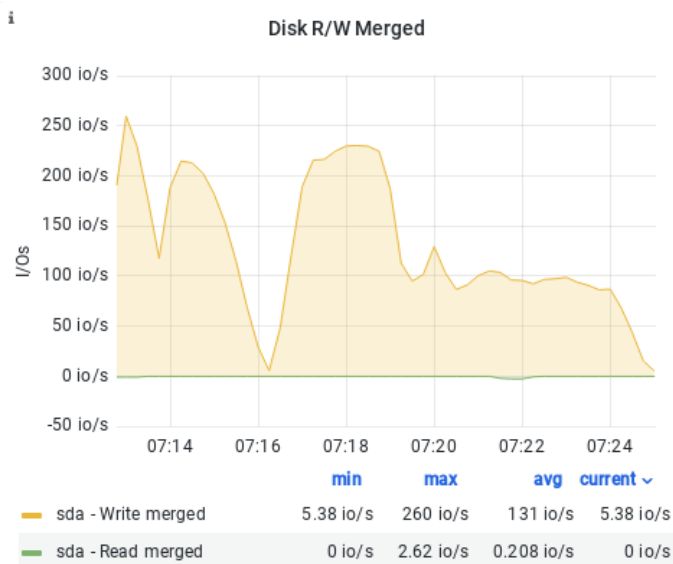
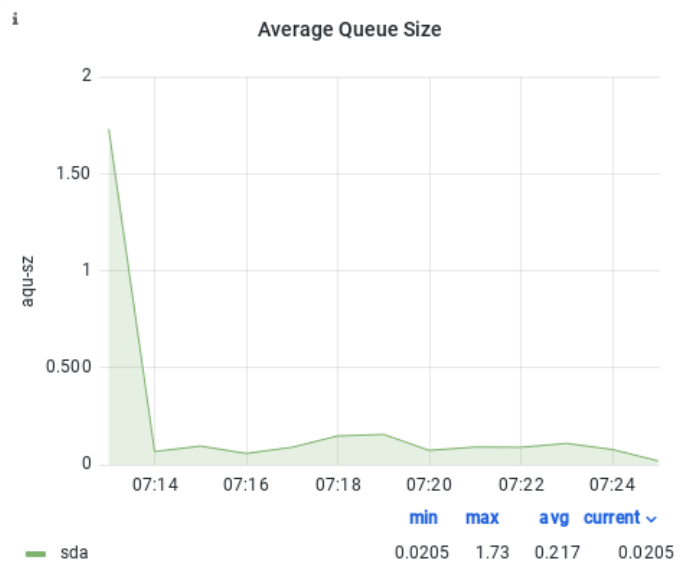
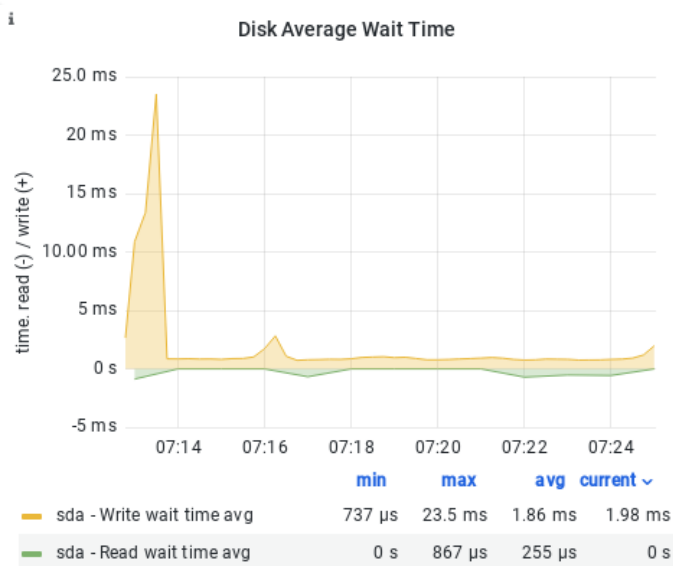
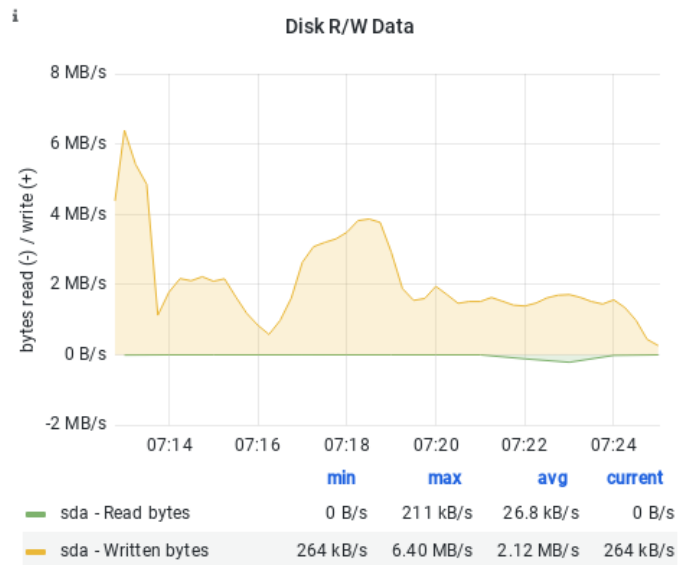
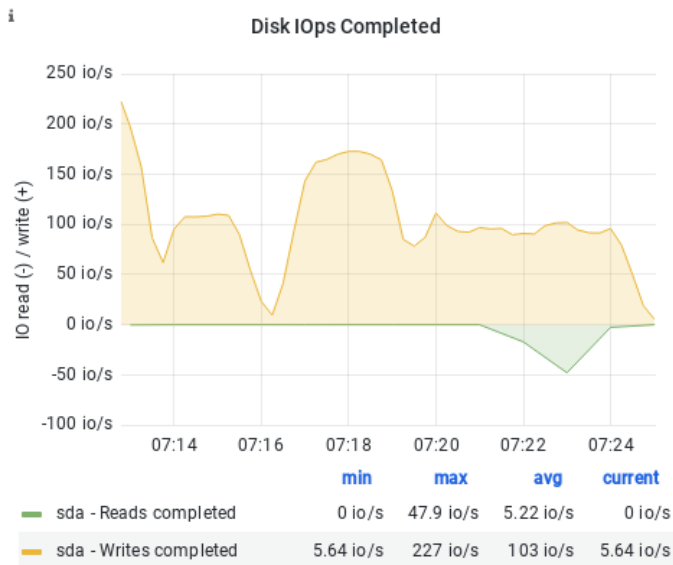


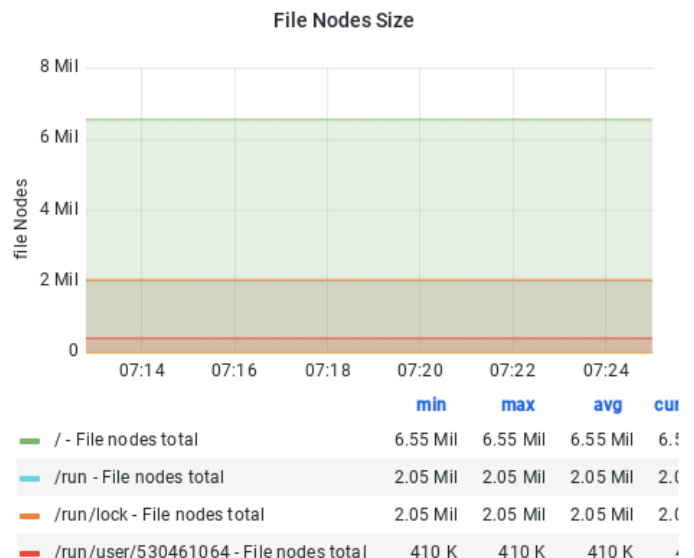
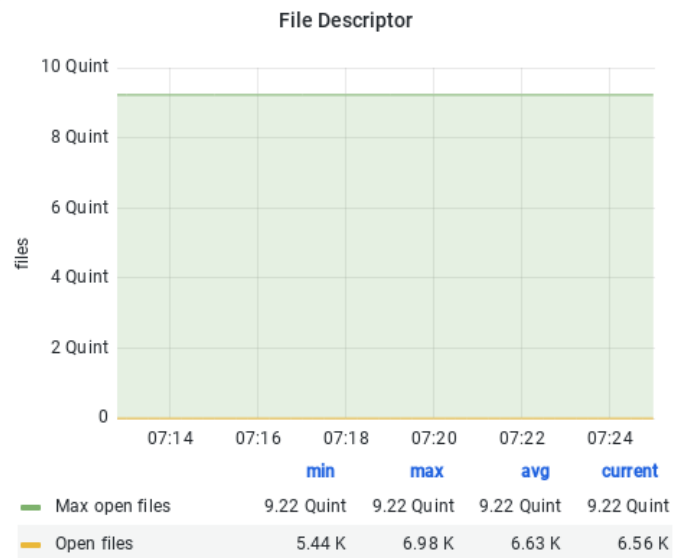
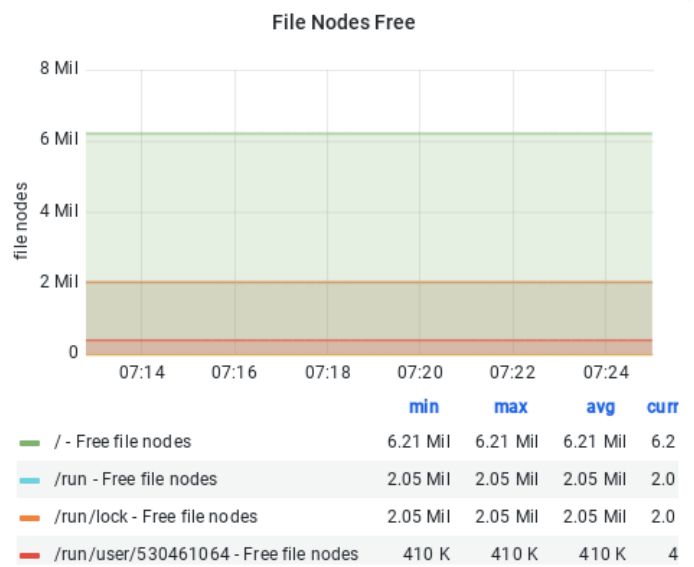
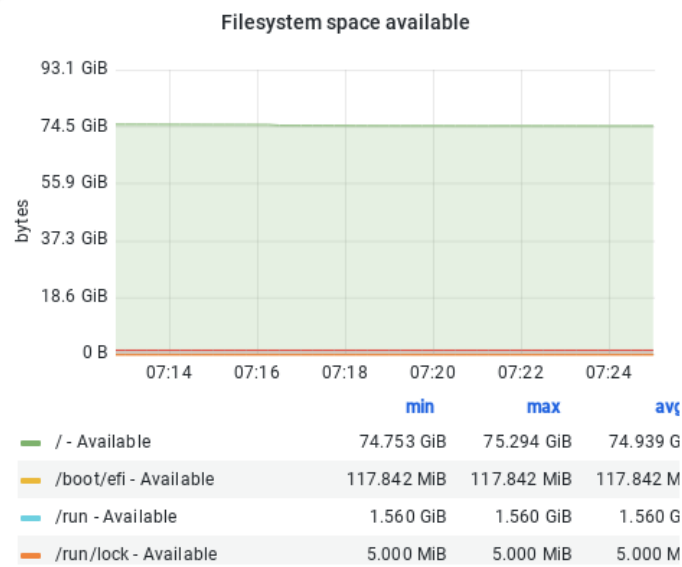
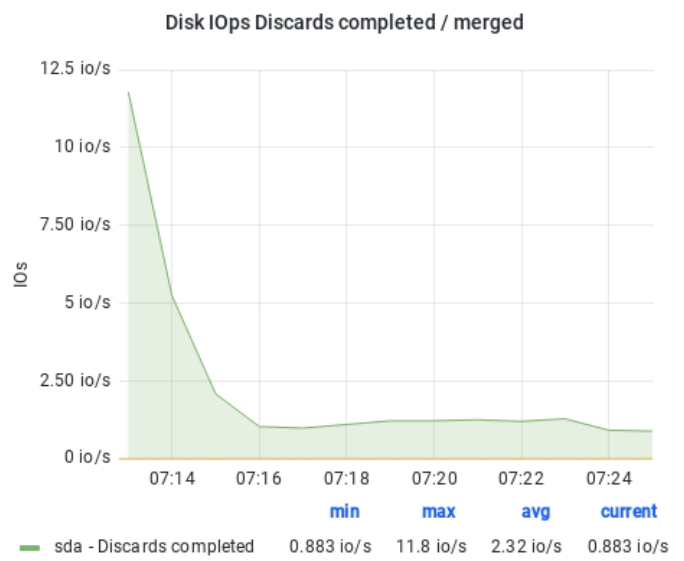
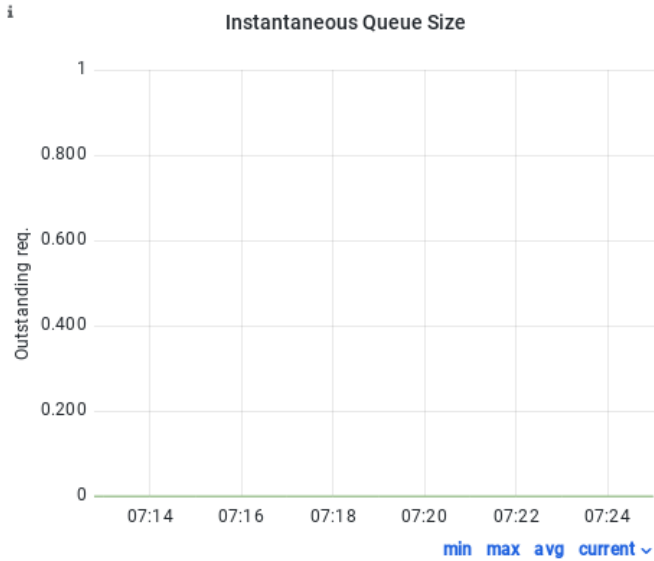
Systemd Sockets



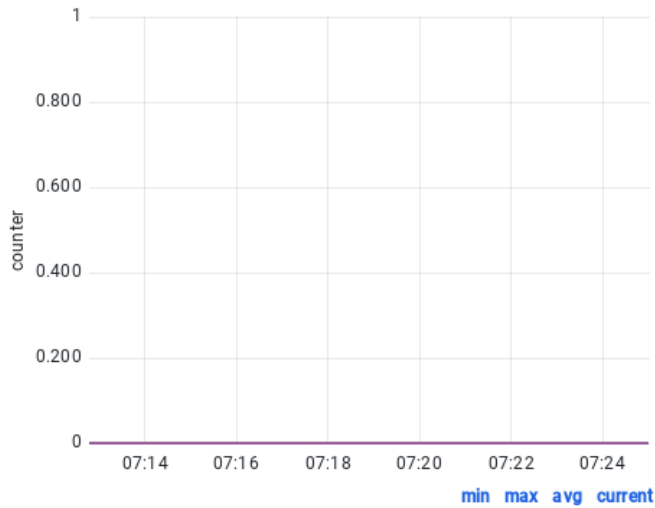
Systemd Units State



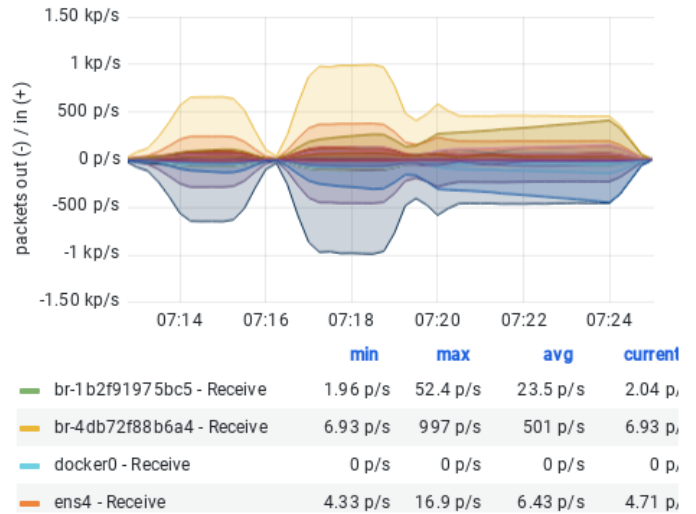




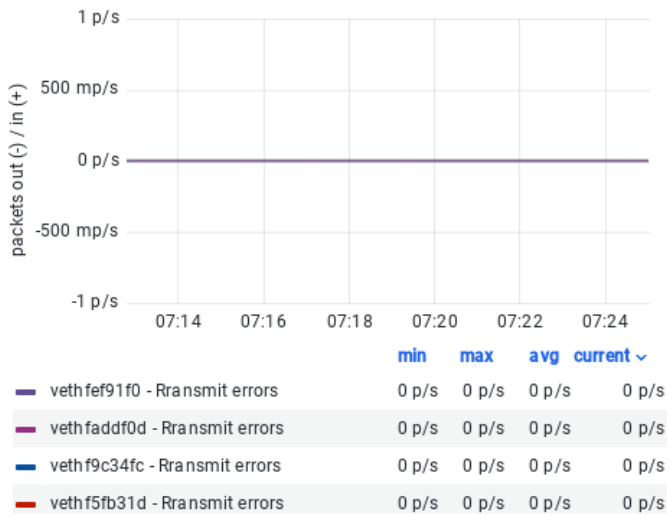
Filesystem in ReadOnly / Error



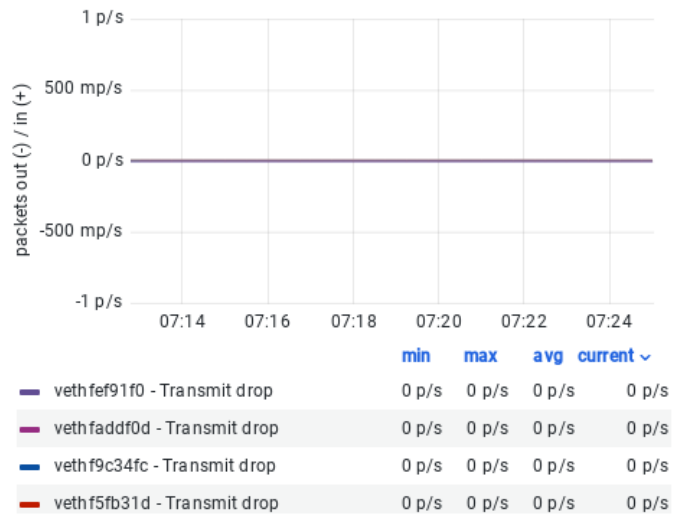
Network Traffic by Packets



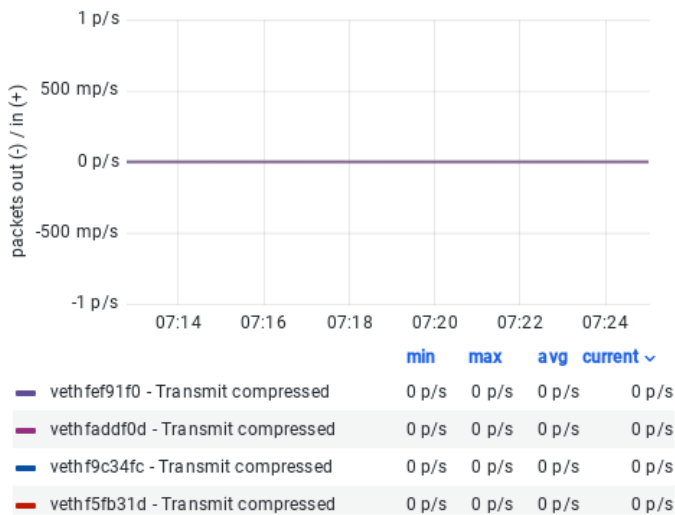
Network Traffic Errors



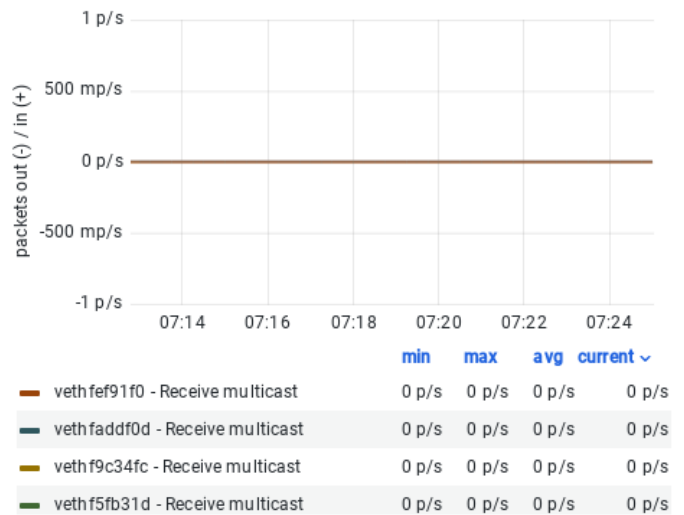
Network Traffic Drop



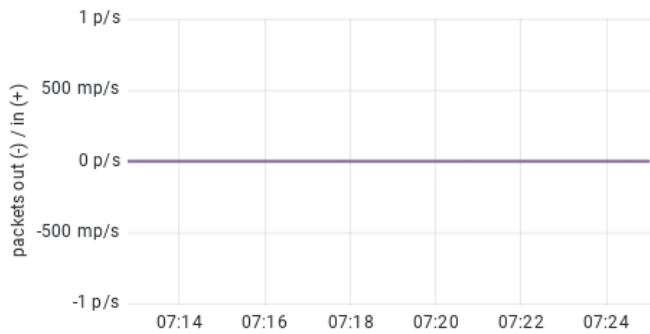
Network Traffic Compressed



Network Traffic Multicast

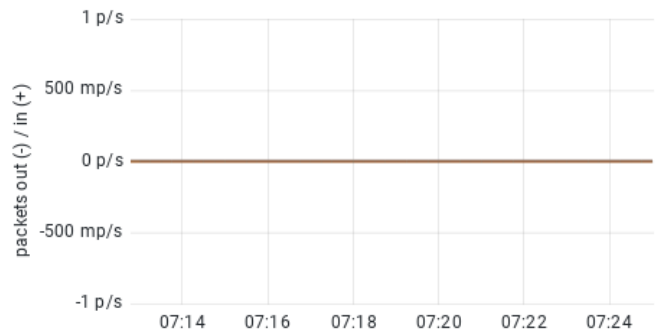


Network Traffic Fifo



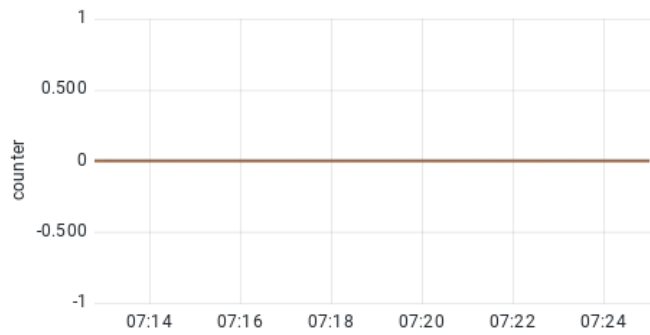
	min	max	avg	current
vethfef91f0 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethfaddf0d - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf9c34fc - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf5fb31d - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



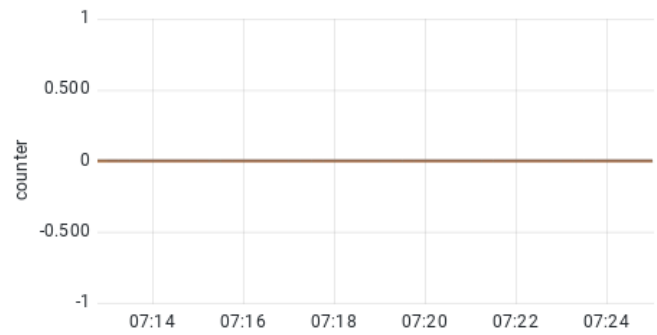
	min	max	avg	current
vethfef91f0 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethfaddf0d - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf9c34fc - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf5fb31d - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



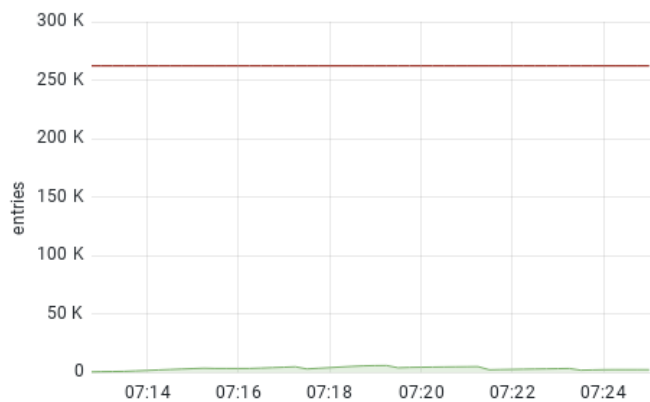
	min	max	avg	current
vethfef91f0 - Statistic transmit_carrier	0	0	0	0
vethfaddf0d - Statistic transmit_carrier	0	0	0	0
vethf9c34fc - Statistic transmit_carrier	0	0	0	0
vethf5fb31d - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



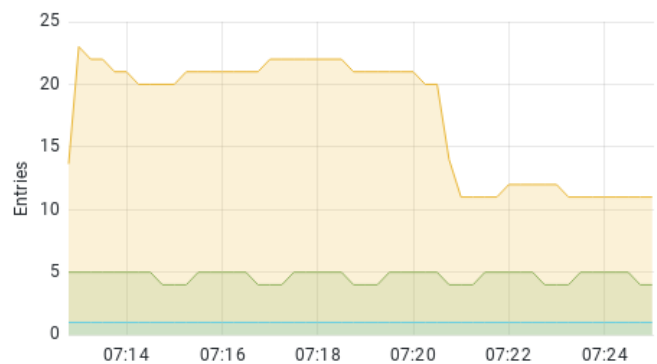
	min	max	avg	current
vethfef91f0 - Transmit colls	0	0	0	0
vethfaddf0d - Transmit colls	0	0	0	0
vethf9c34fc - Transmit colls	0	0	0	0
vethf5fb31d - Transmit colls	0	0	0	0

NF Contrack



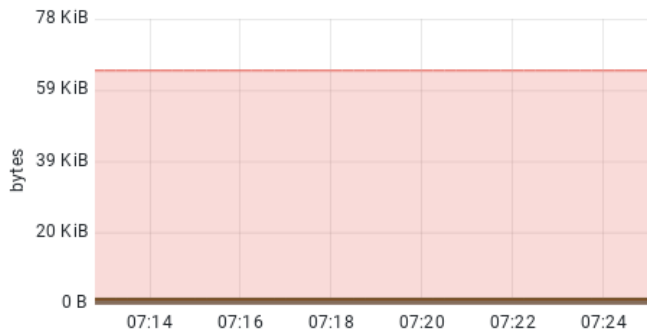
	min	max	avg	current
NF conntrack entries	413	5.86 K	3.26 K	2.35 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



	min	max	avg	current
br-1b2f91975bc5 - ARP entries	4	5	4.66	4
br-4db72f88b6a4 - ARP entries	11	23	17.5	11
ens4 - ARP entries	1	1	1	1

MTU



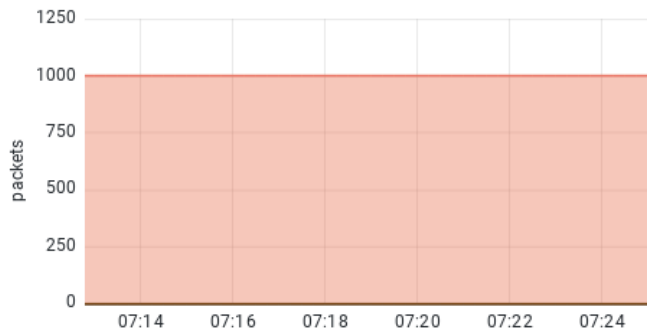
	min	max	avg	current
br-1b2f91975bc5 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-4db72f88b6a4 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
ens4 - Bytes	1.4 KiB	1.4 KiB	1.4 KiB	1.4 KiB

Speed



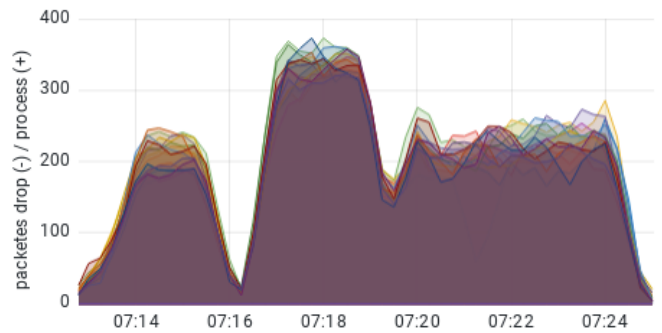
	min	max	avg	current
br-1b2f91975bc5 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-4db72f88b6a4 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
ens4 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB

Queue Length



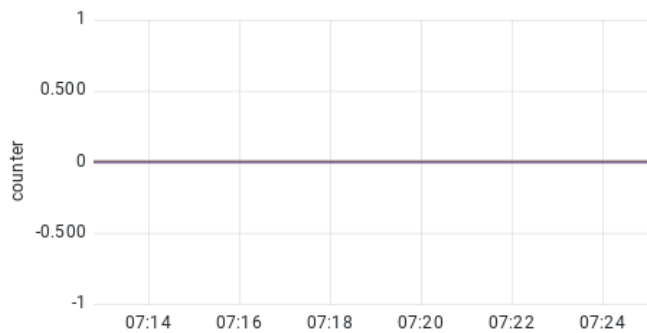
	min	max	avg	current
br-1b2f91975bc5 - Interface transmit queue length	0.0	0.0	0.0	0.0
br-4db72f88b6a4 - Interface transmit queue length	0.0	0.0	0.0	0.0
docker0 - Interface transmit queue length	0.0	0.0	0.0	0.0
ens4 - Interface transmit queue length	1000.0	1000.0	1000.0	1000.0

Softnet Packets



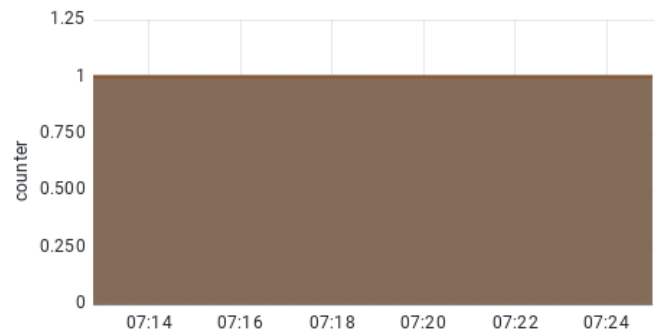
	min	max	avg	current
CPU 3 - Processed	13.3	351	195	20.9
CPU 9 - Processed	9.51	323	182	16.2
CPU 11 - Processed	11.6	346	188	11.6
CPU 2 - Processed	9.80	364	202	9.80

Softnet Out of Quota



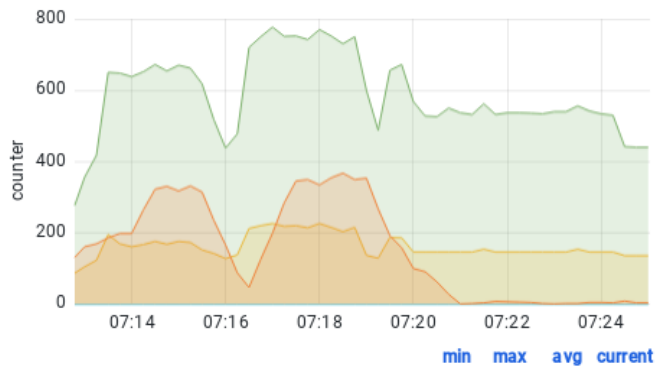
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status

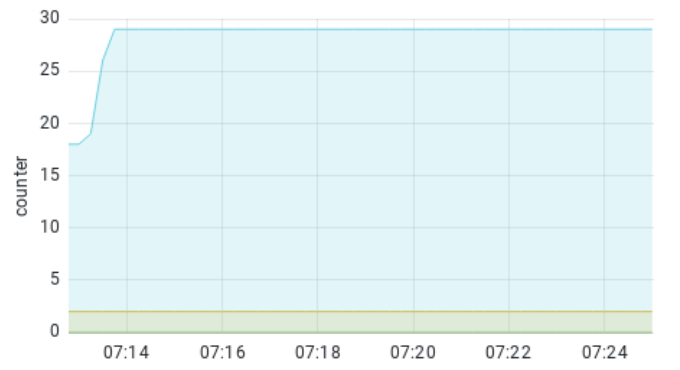


	min	max	avg	current
vethfef91f0 - Physical link state	1	1	1	1
vethfaddf0d - Physical link state	1	1	1	1
vethf9c34fc - Physical link state	1	1	1	1
vethf5fb31d - Physical link state	1	1	1	1

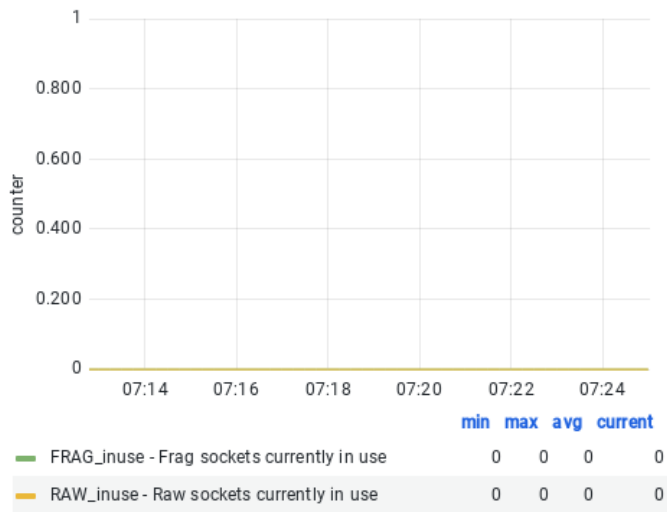
### Sockstat TCP



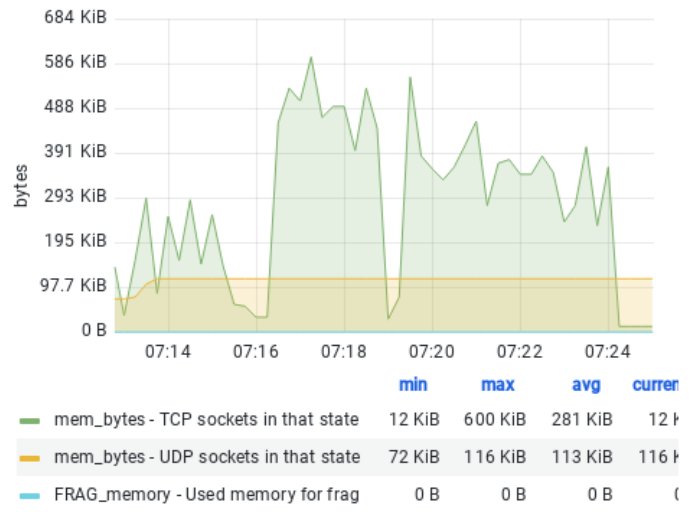
### Sockstat UDP



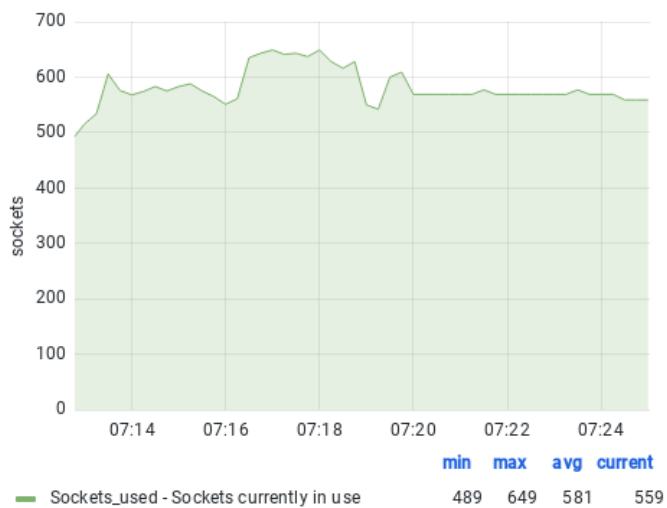
### Sockstat FRAG / RAW



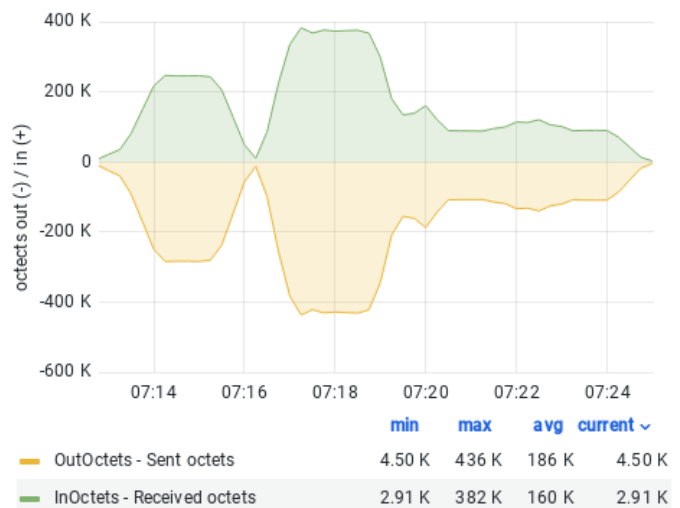
### Sockstat Memory Size



### Sockstat Used

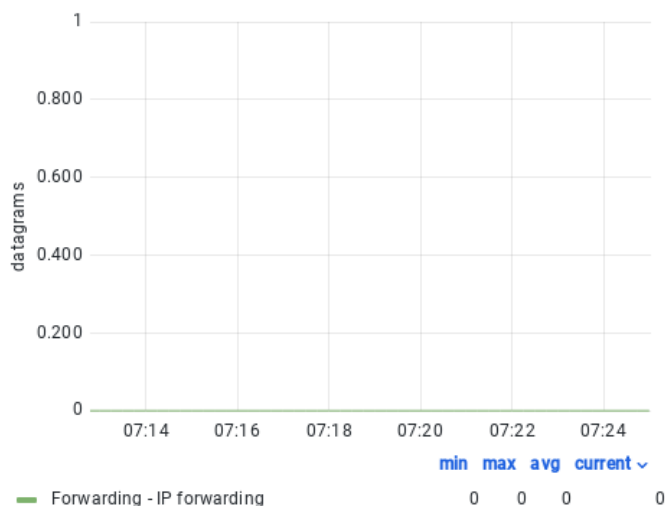


### Netstat IP In / Out Octets





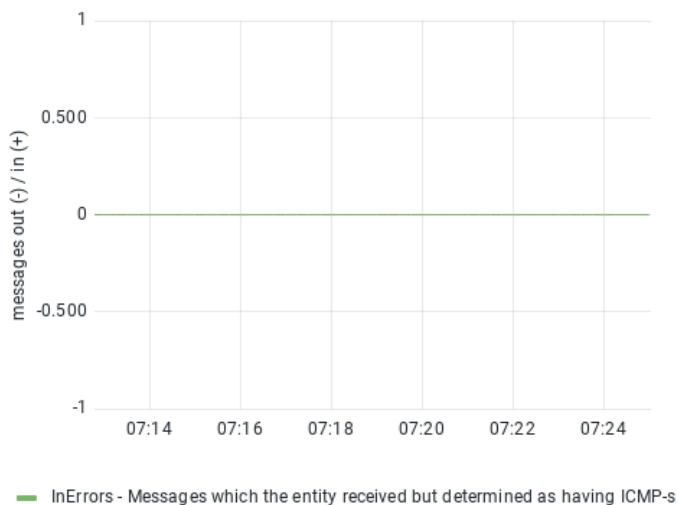
### Netstat IP Forwarding



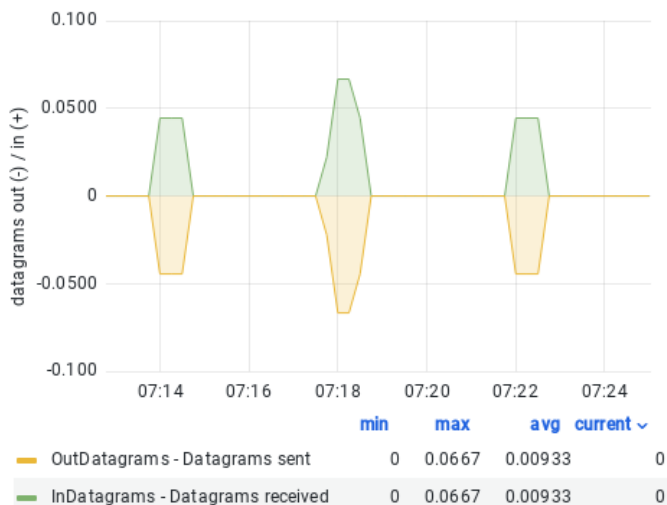
### ICMP In / Out



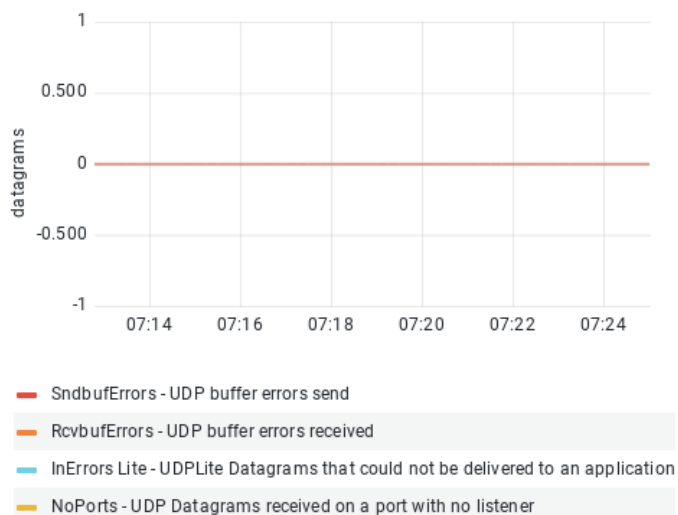
### ICMP Errors



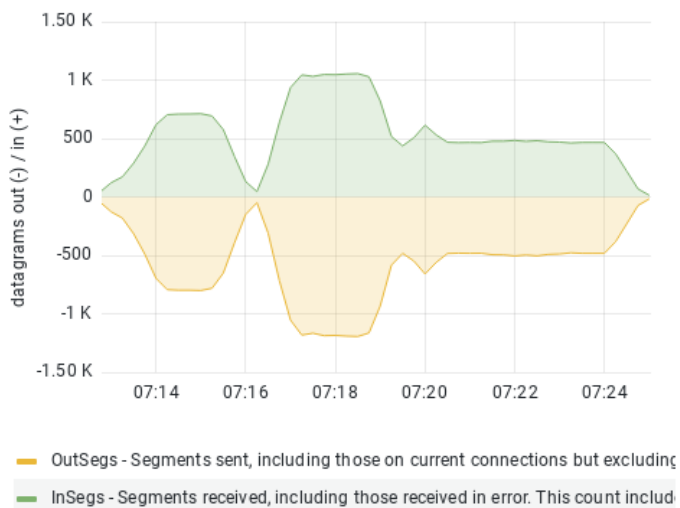
### UDP In / Out



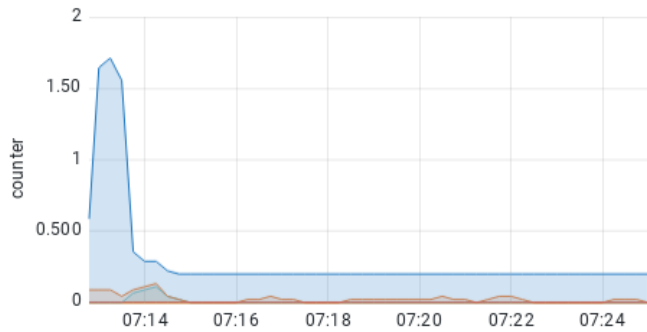
### UDP Errors



### TCP In / Out

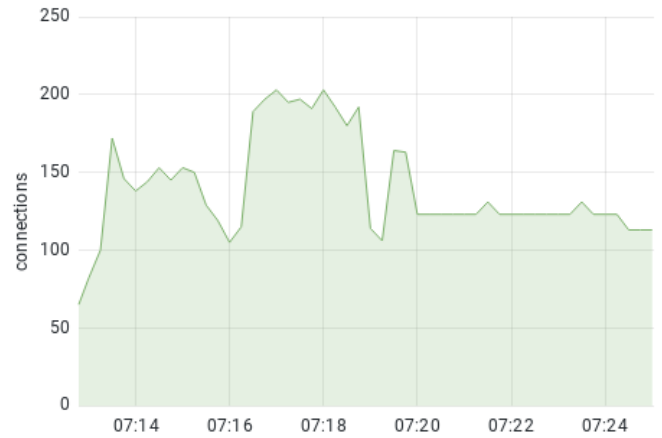


TCP Errors



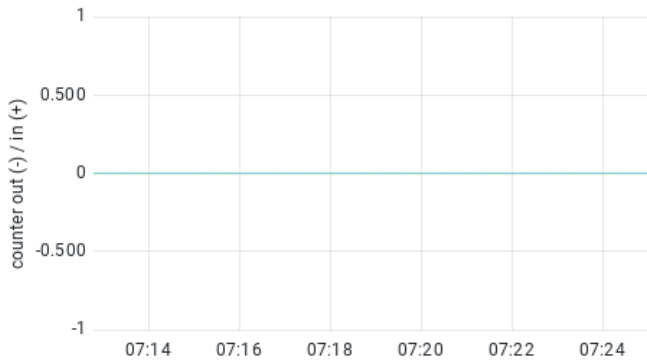
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



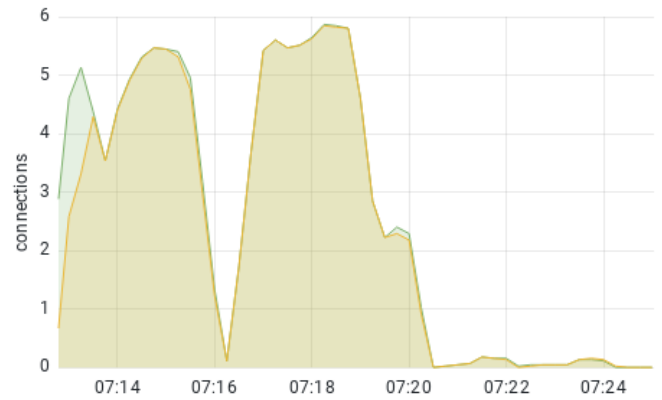
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



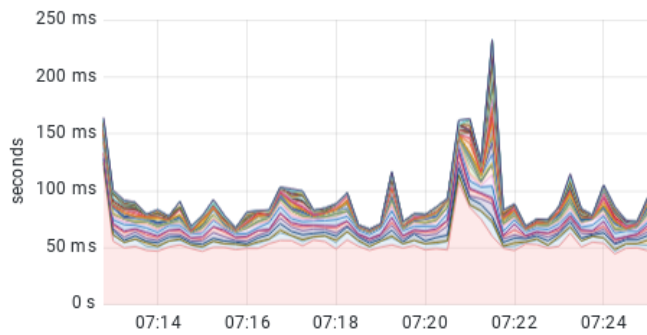
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



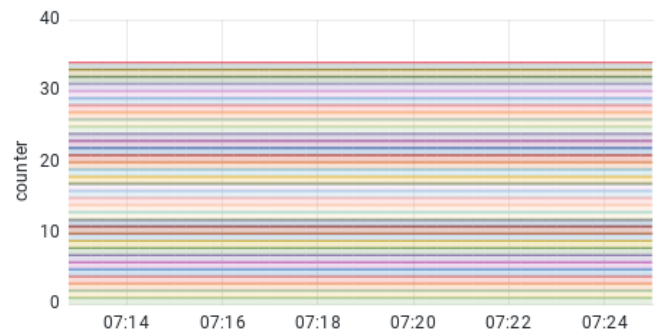
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	44.7 ms	132 ms	55.5 ms	47.5
netdev - Scrape duration	1.39 ms	11.1 ms	4.36 ms	4.77
vmstat - Scrape duration	154 $\mu$ s	4.73 ms	903 $\mu$ s	4.73
filesystem - Scrape duration	1.42 ms	6.16 ms	3.46 ms	4.26

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