

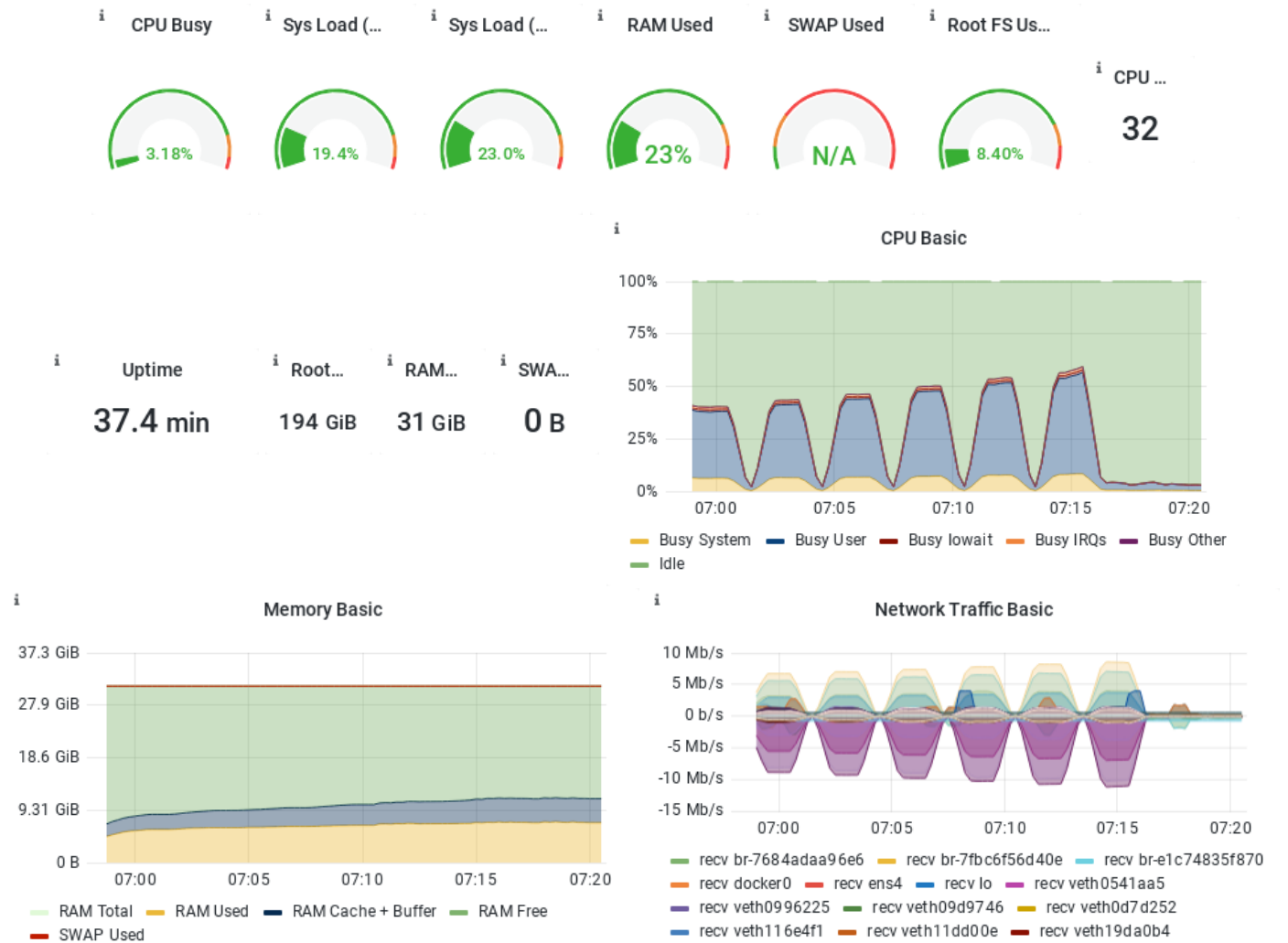
# Host Metrics

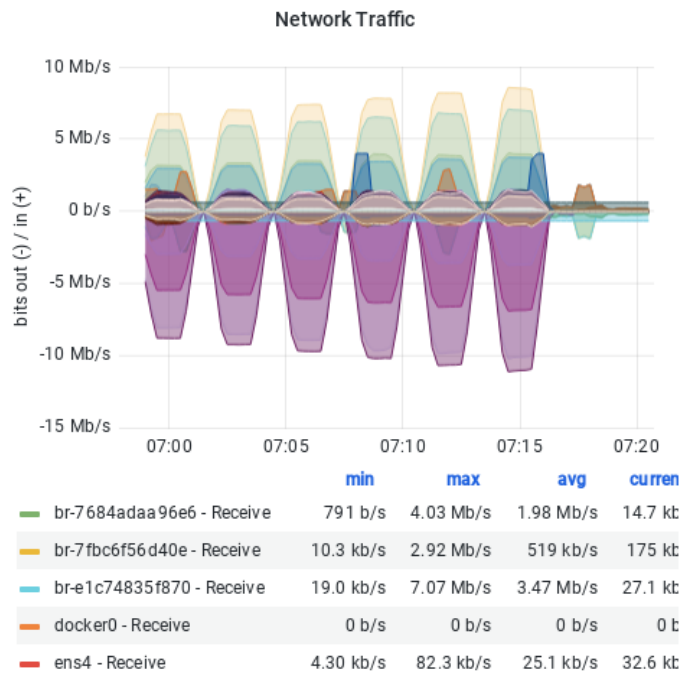
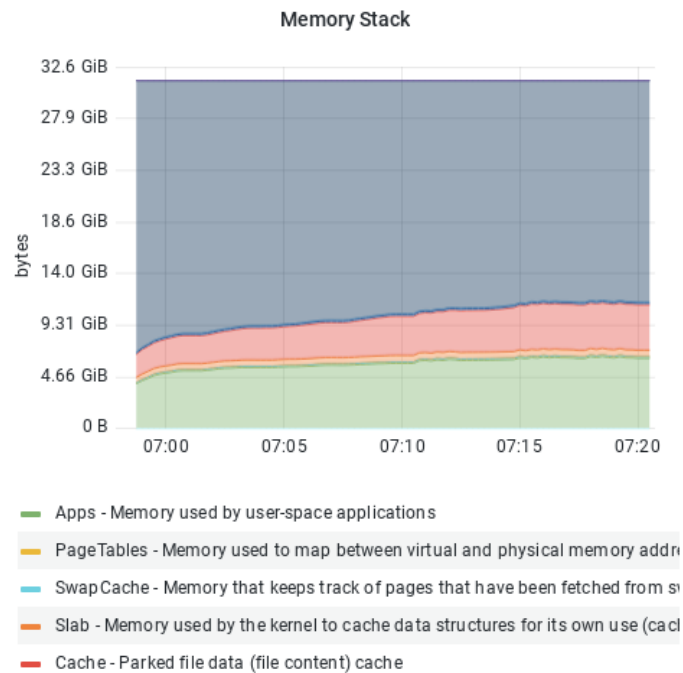
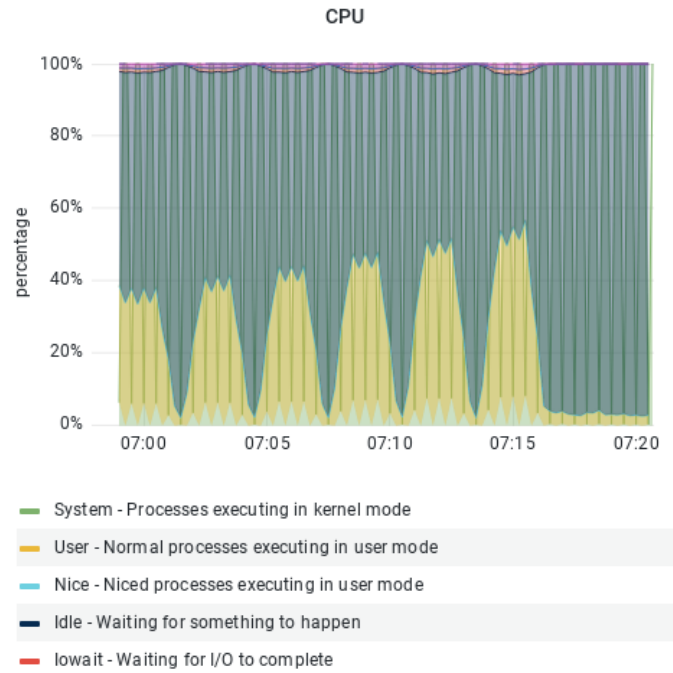
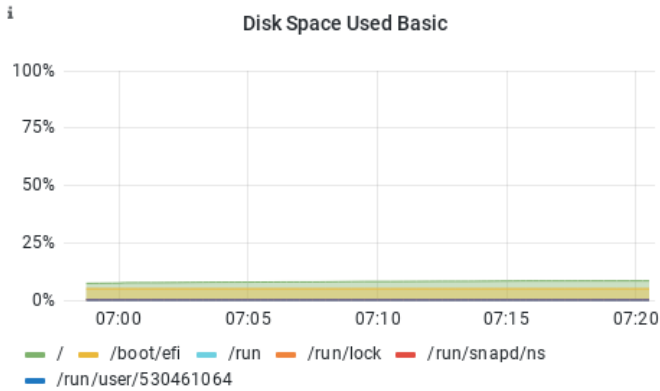
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Sun Feb 20 06:57:52 UTC 2022

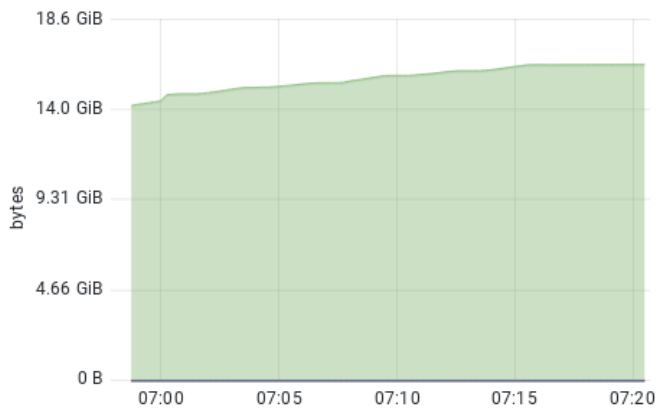
to

Sun Feb 20 07:20:43 UTC 2022



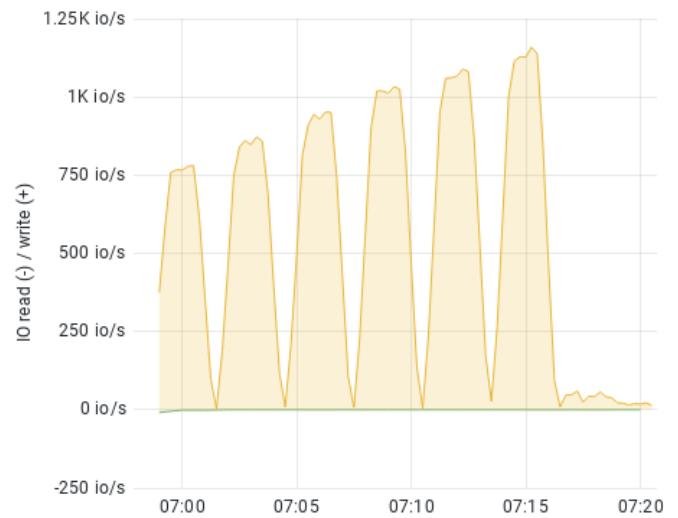


Disk Space Used



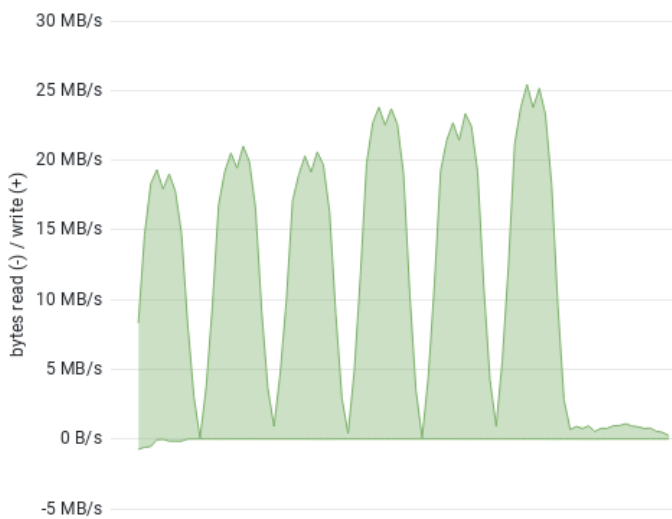
	min	max	avg	current ^
/run/lock	0 B	0 B	0 B	0 B
/run/user/530461064	0 B	4.000 KiB	3.955 KiB	4.000 KiB
/run	4.199 MiB	4.207 MiB	4.207 MiB	4.207 MiB
/run/snapd/ns	4.199 MiB	4.207 MiB	4.207 MiB	4.207 MiB
/boot/efi	5.196 MiB	5.196 MiB	5.196 MiB	5.196 MiB

Disk IOps



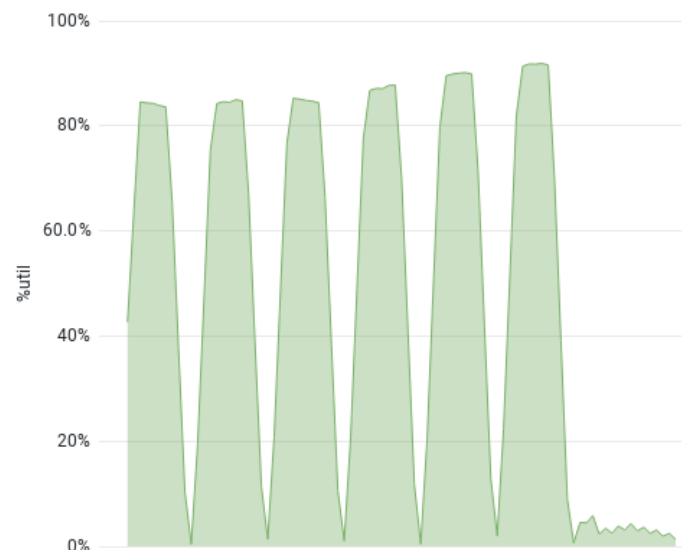
	min	max	avg	current
sda - Reads completed	0 io/s	8.80 io/s	0.566 io/s	0 io/s
sda - Writes completed	3.11 io/s	1.16K io/s	537 io/s	14.4 io/s

I/O Usage Read / Write



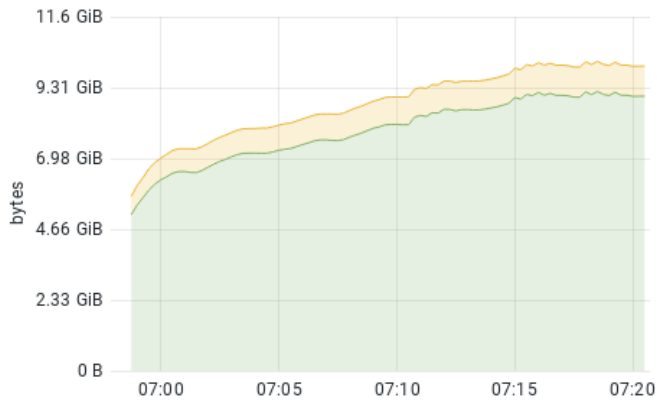
	min	max	avg
sda - Successfully read bytes	0 B/s	747.606 kB/s	29.224 kB/s
sda - Successfully written bytes	72.727 kB/s	25.430 MB/s	11.852 MB/s

I/O Utilization



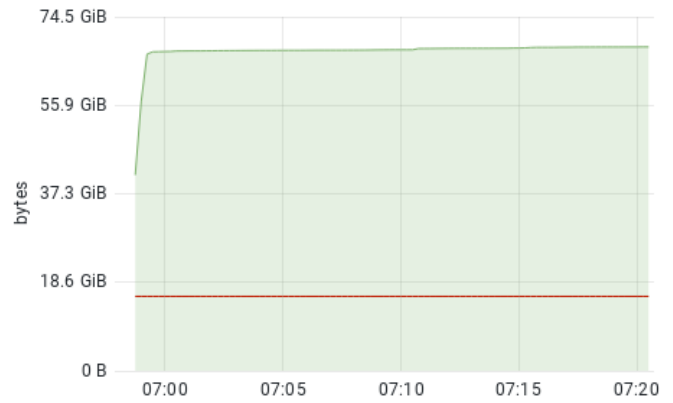
	min	max	avg	current
sda	0.409%	91.876%	48.633%	1.316%

Memory Active / Inactive



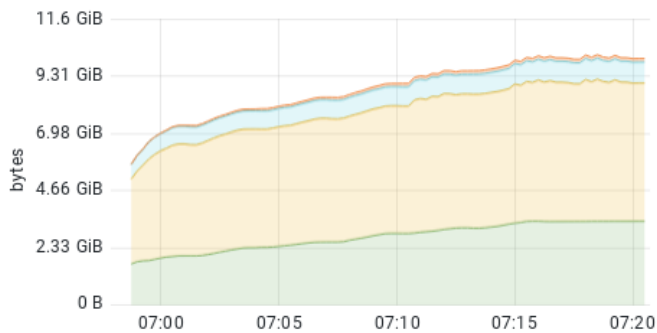
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



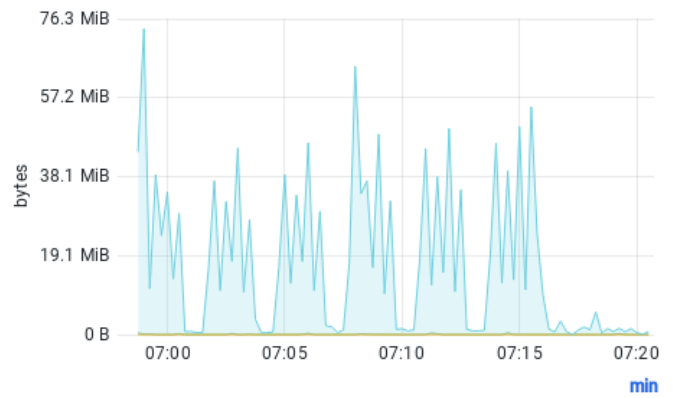
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



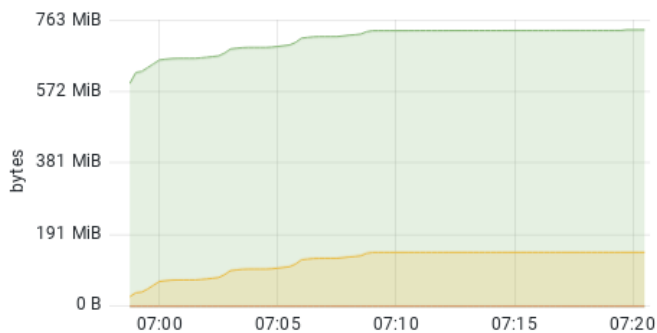
— Inactive\_file - File-backed memory on inactive LRU list  
 — Inactive\_anon - Anonymous and swap cache on inactive LRU list, including tmp  
 — Active\_file - File-backed memory on active LRU list  
 — Active\_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



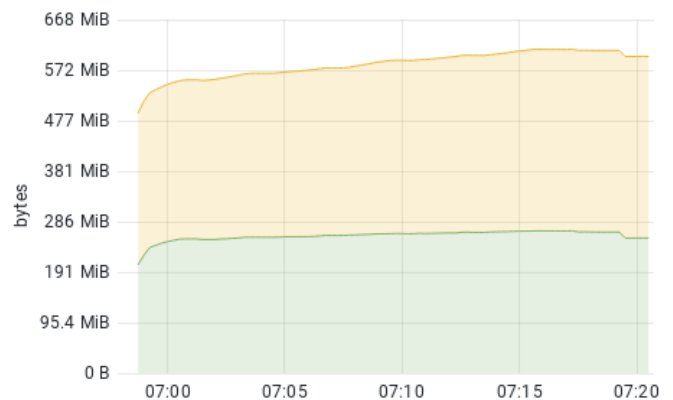
— Writeback - Memory which is actively being written back to disk  
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers  
 — Dirty - Memory which is waiting to get written back to the disk

Memory Shared and Mapped



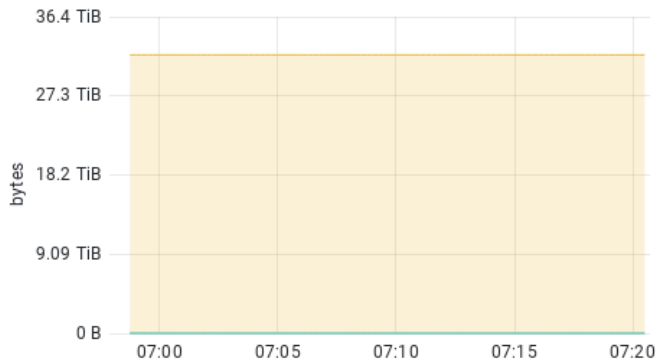
— Mapped - Used memory in mapped pages files which have been mmaped, such  
 — Shmem - Used shared memory (shared between several processes, thus includ  
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc  
 — ShmemPmdMapped - Amount of shared (shmem/tmpfs) memory backed by

Memory Slab



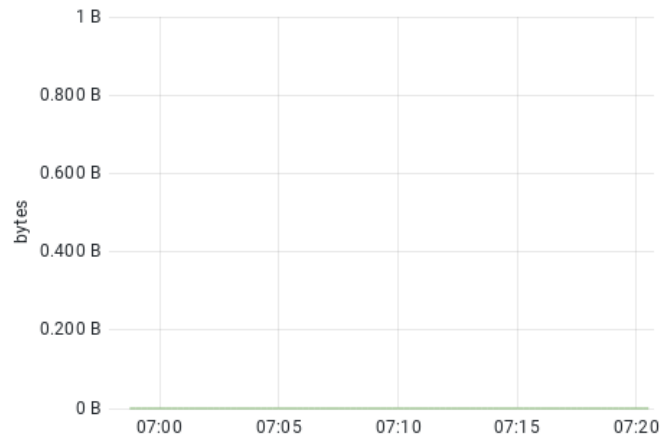
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 20  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches 28

Memory Vmalloc



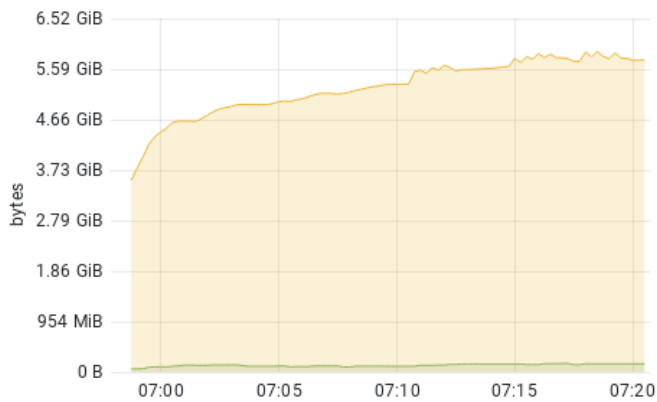
VmallocChunk - Largest contiguous block of vmalloc area which is free	
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	94.2

Memory Bounce



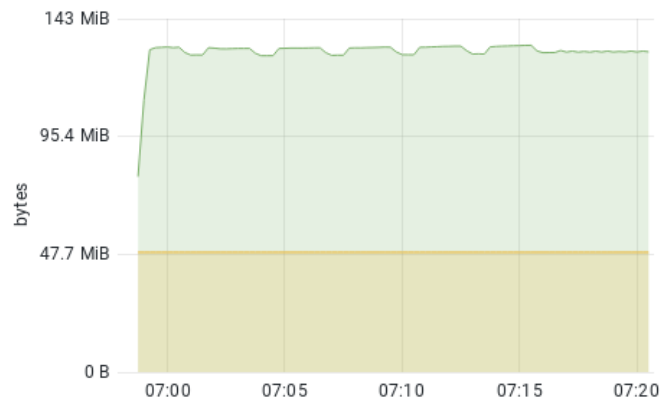
Bounce - Memory used for block device bounce buffers	0 B	0 B	0 B
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Memory Anonymous



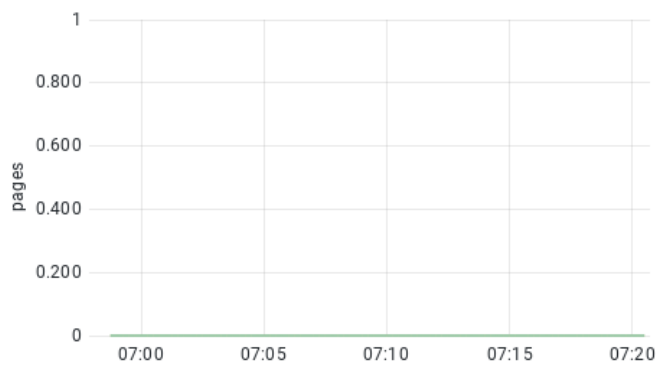
AnonHugePages - Memory in anonymous huge pages	58.00 MiB	164.00
AnonPages - Memory in user pages not backed by files	3.54 GiB	5.91

Memory Kernel / CPU



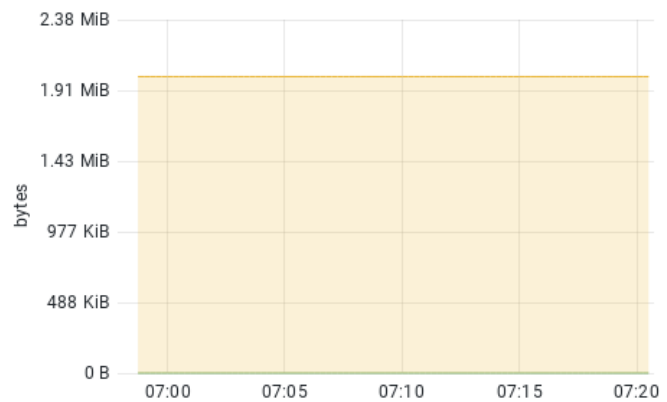
KernelStack - Kernel memory stack. This is not reclaimable	79.1
PerCPU - Per CPU memory allocated dynamically by loadable modules	48.5

Memory HugePages Counter



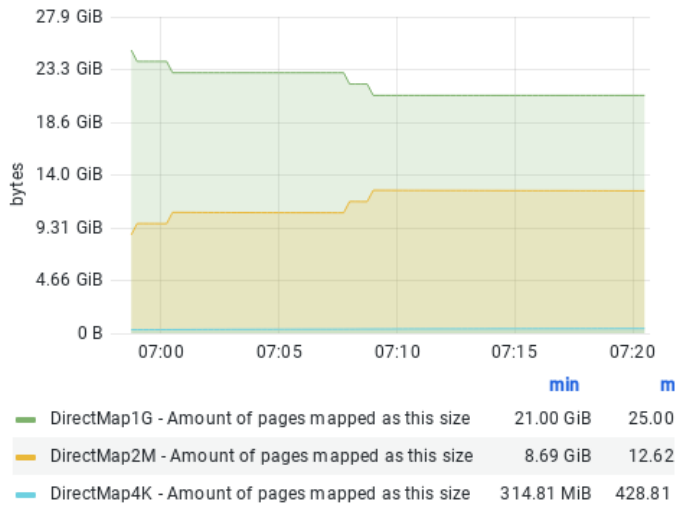
HugePages_Free - Huge pages in the pool that are not yet allocated	
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	

Memory HugePages Size

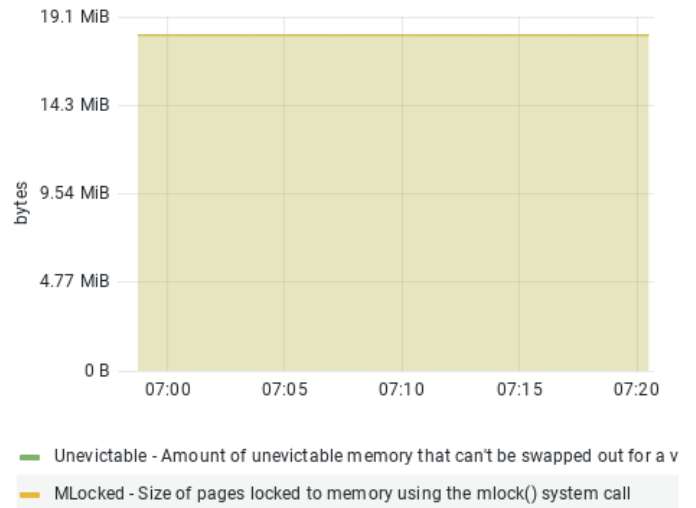


HugePages - Total size of the pool of huge pages	0 B	0 B
Hugepagesize - Huge Page size	2.00 MiB	2.00 MiB

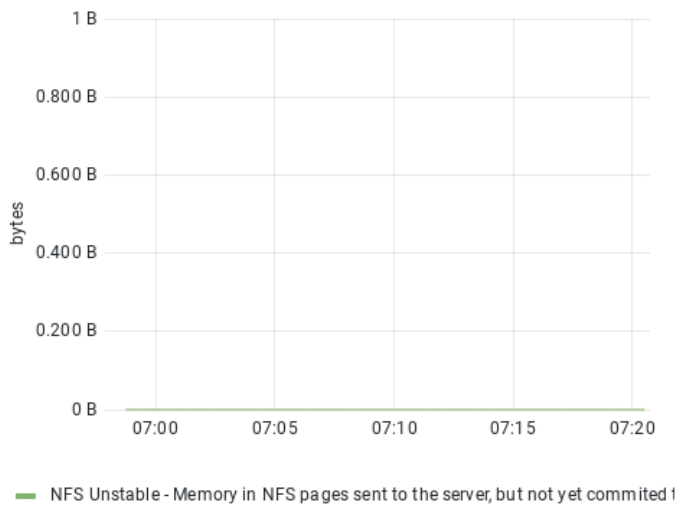
Memory DirectMap



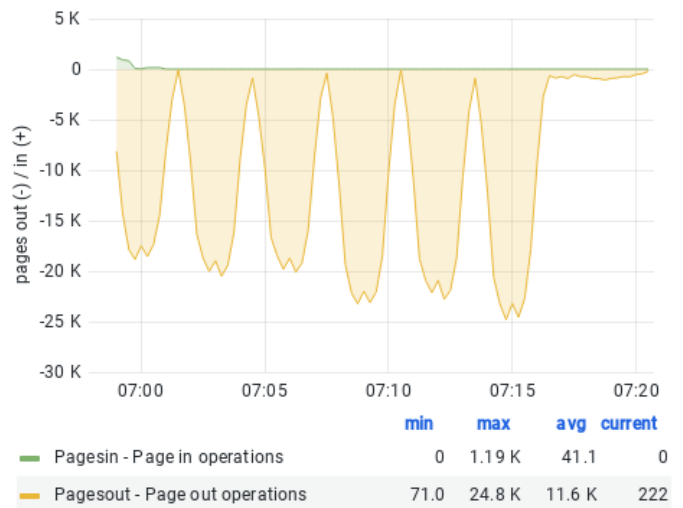
Memory Unevictable and MLocked



Memory NFS



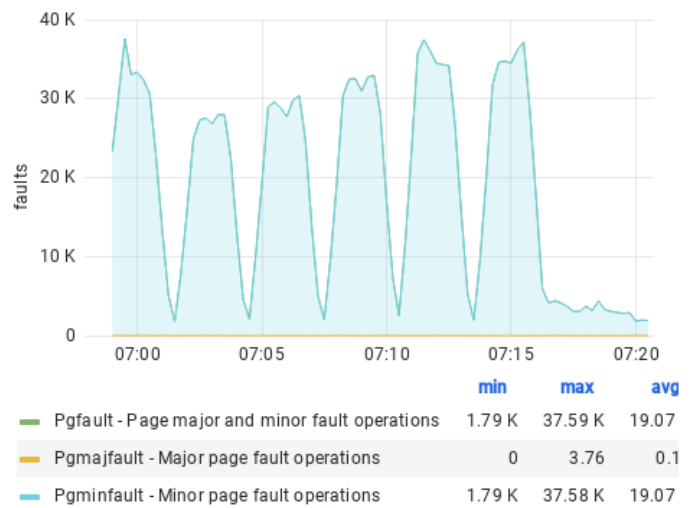
Memory Pages In / Out



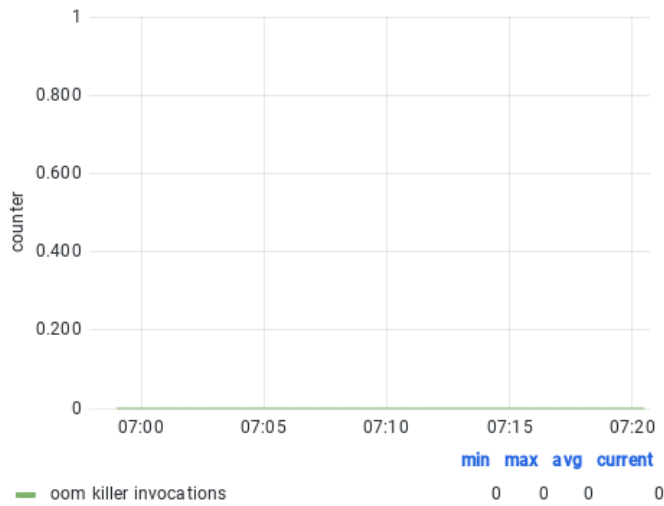
Memory Pages Swap In / Out



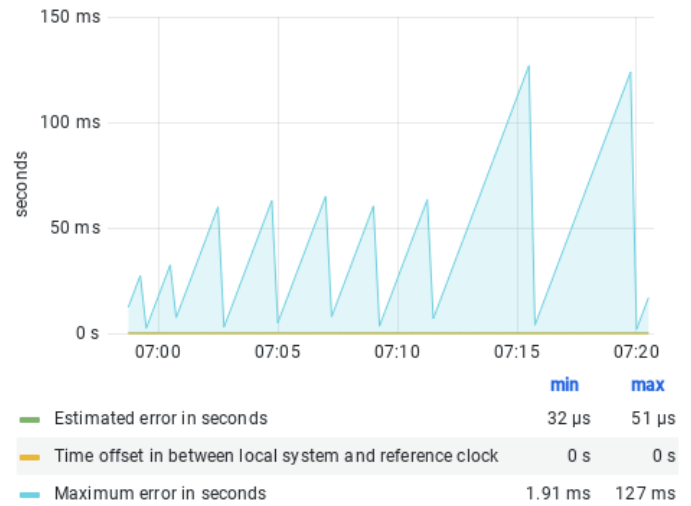
Memory Page Faults



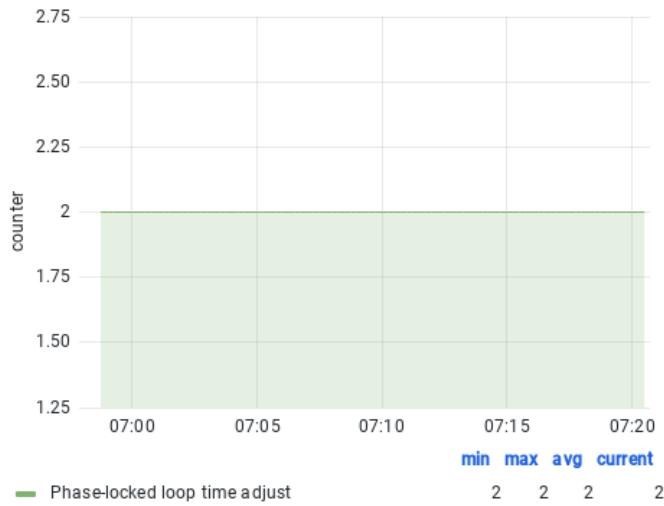
OOM Killer



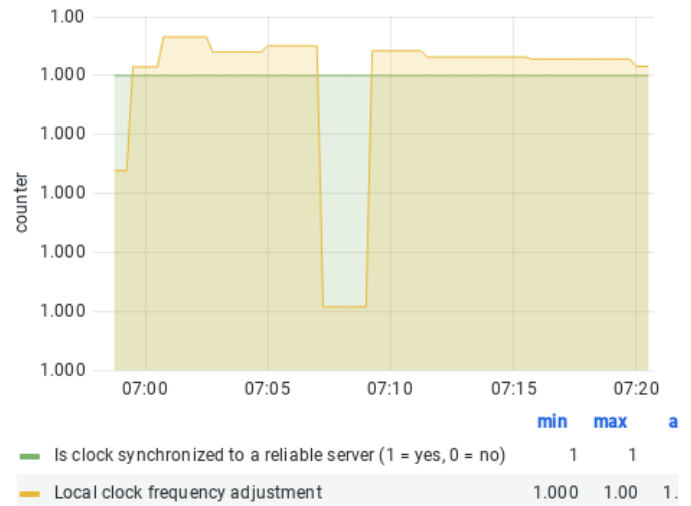
Time Synchronized Drift



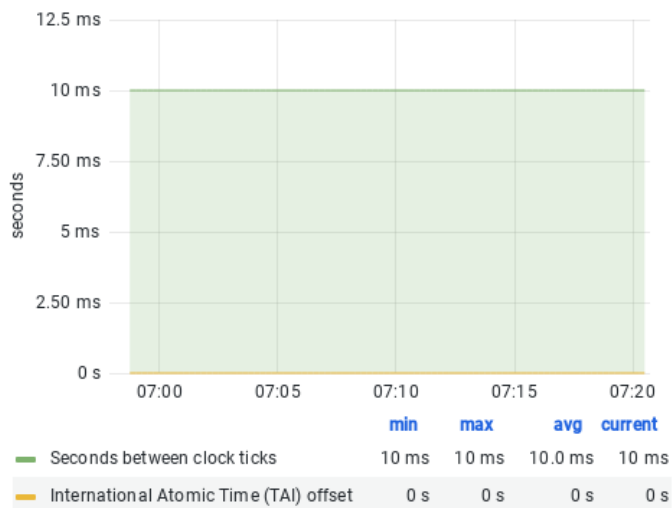
Time PLL Adjust



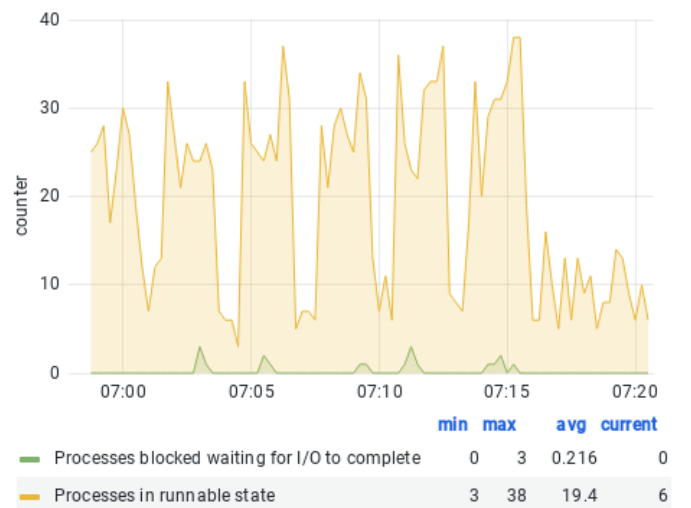
Time Synchronized Status



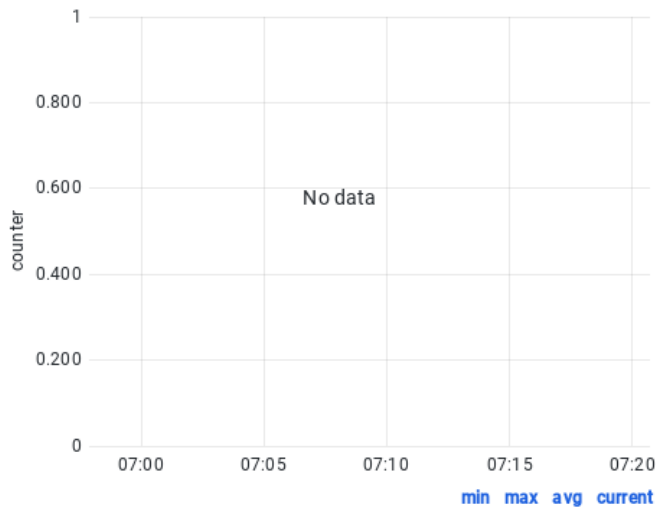
Time Misc



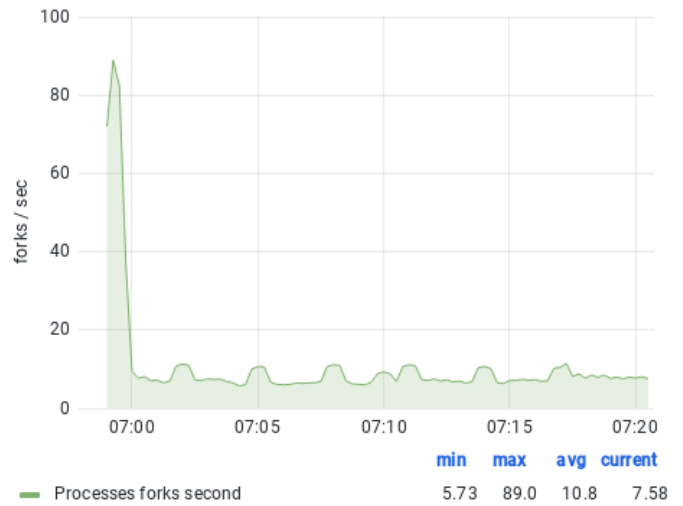
Processes Status



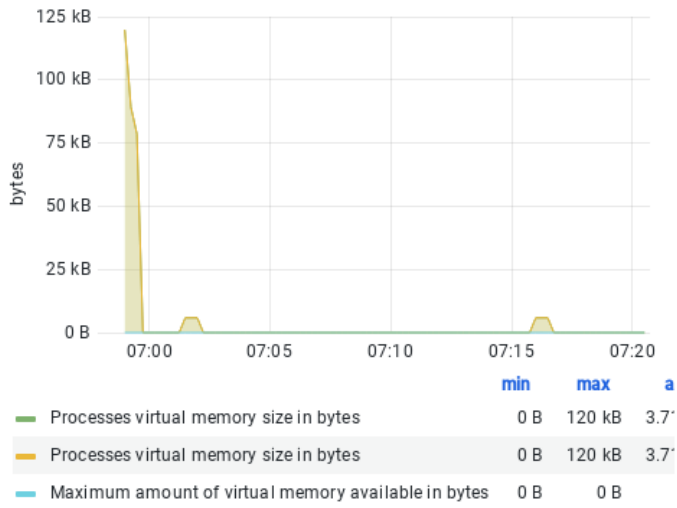
Processes State



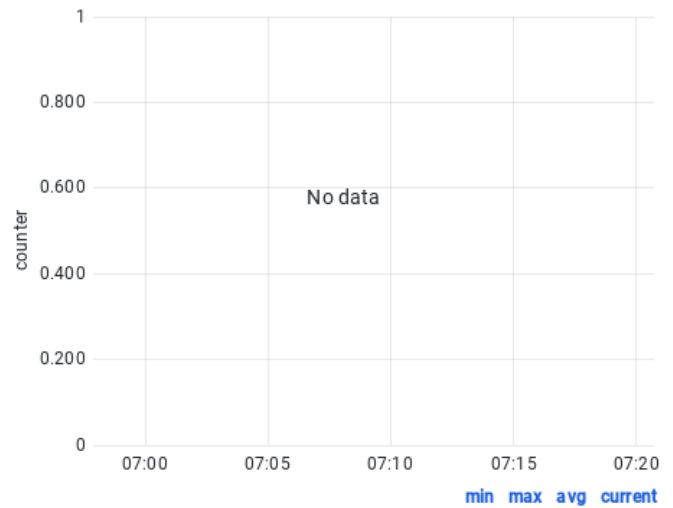
Processes Forks



Processes Memory



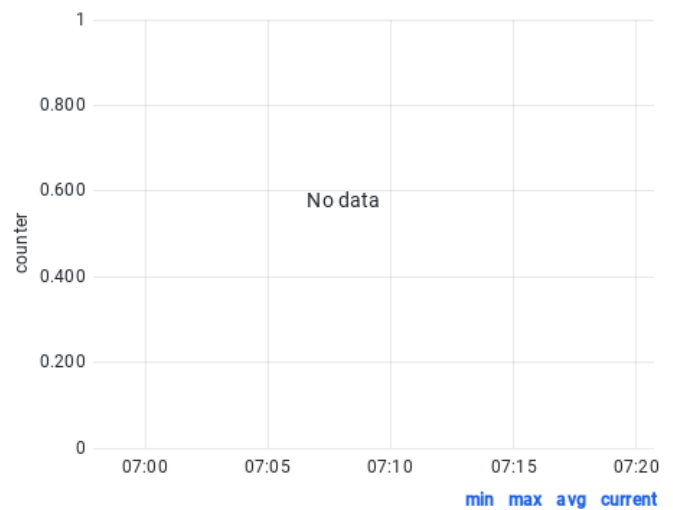
PIDs Number and Limit



Process schedule stats Running / Waiting

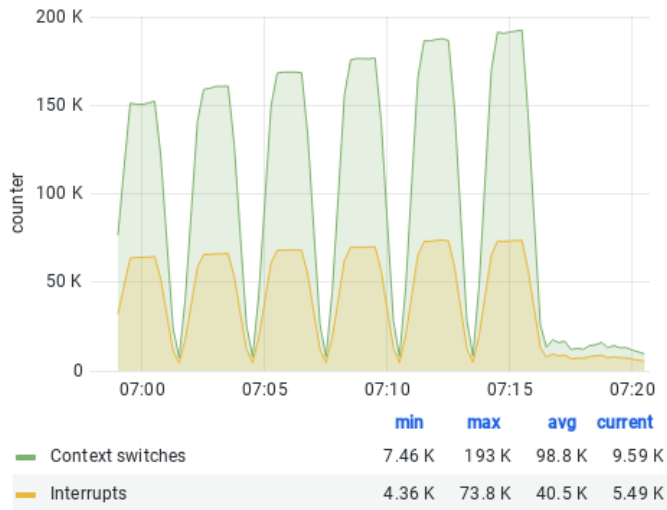


Threads Number and Limit

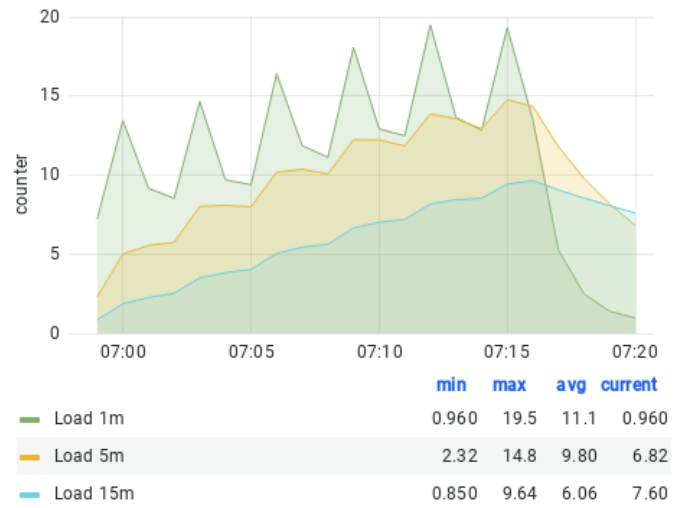




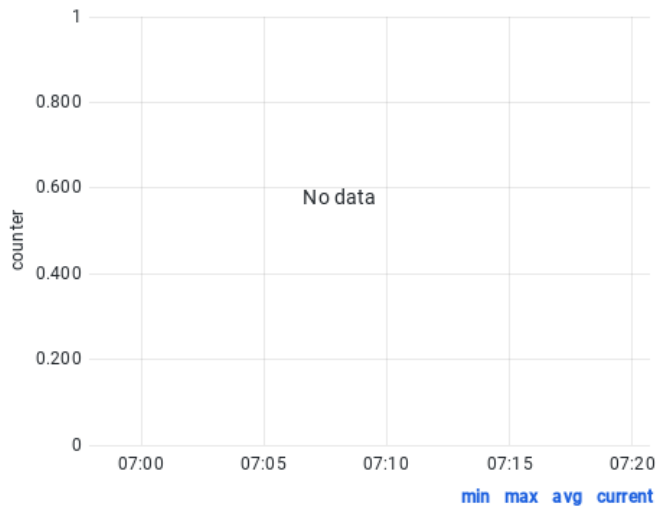
Context Switches / Interrupts



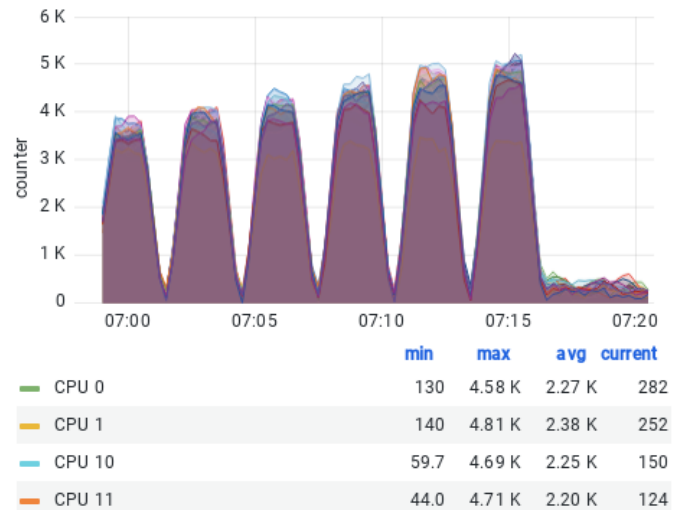
System Load



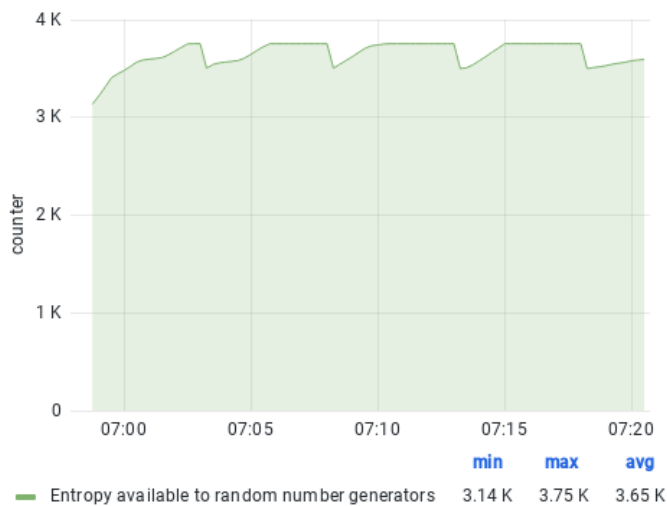
Interrupts Detail



Schedule timeslices executed by each cpu



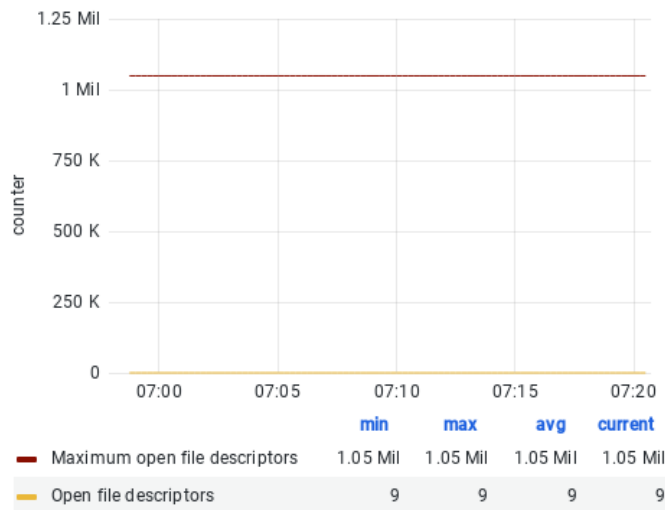
Entropy



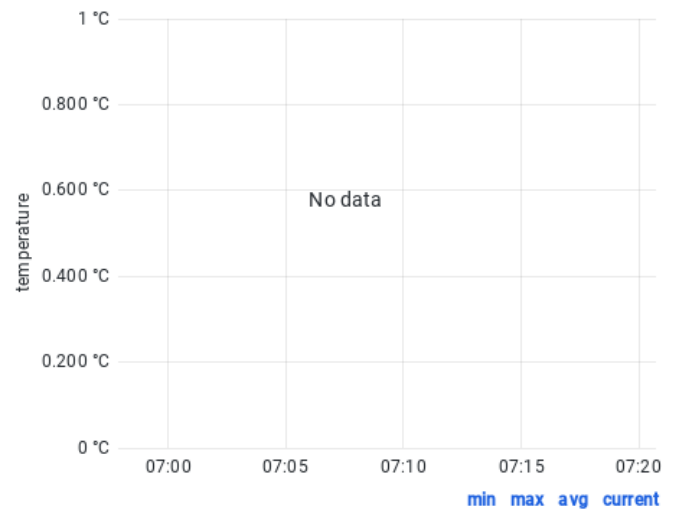
CPU time spent in user and system contexts



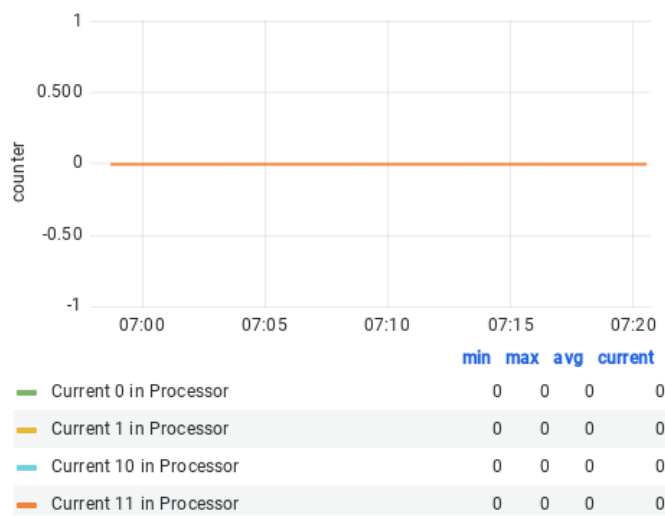
File Descriptors



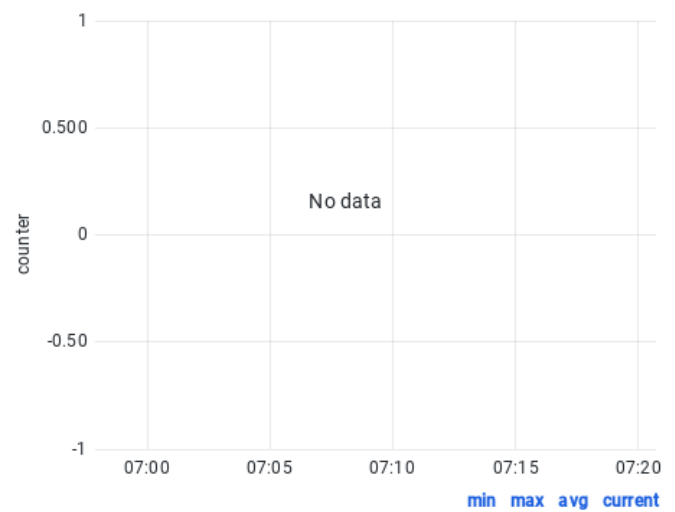
Hardware temperature monitor



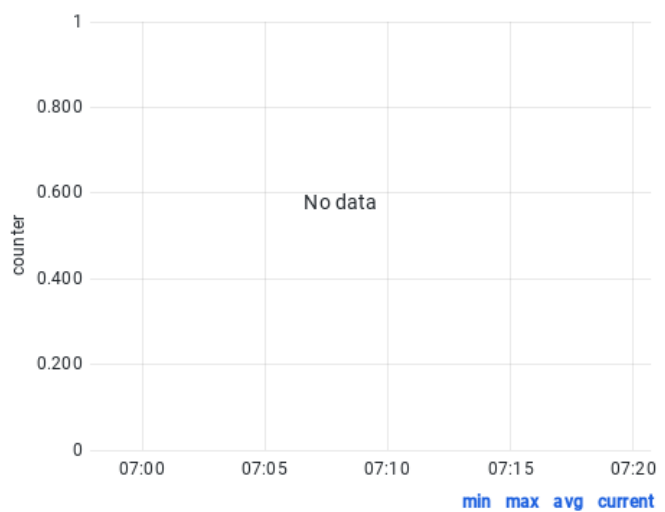
Throttle cooling device



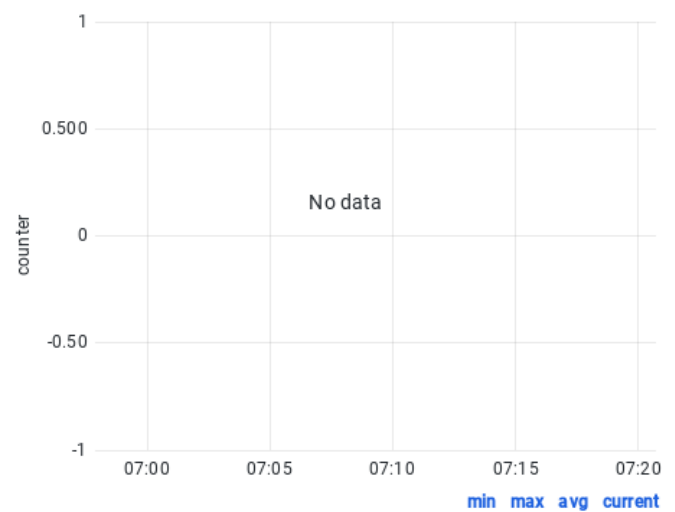
Power supply

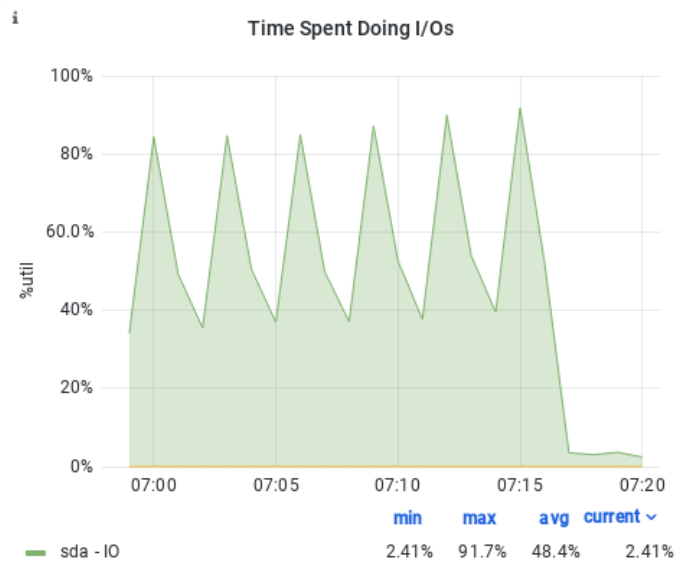
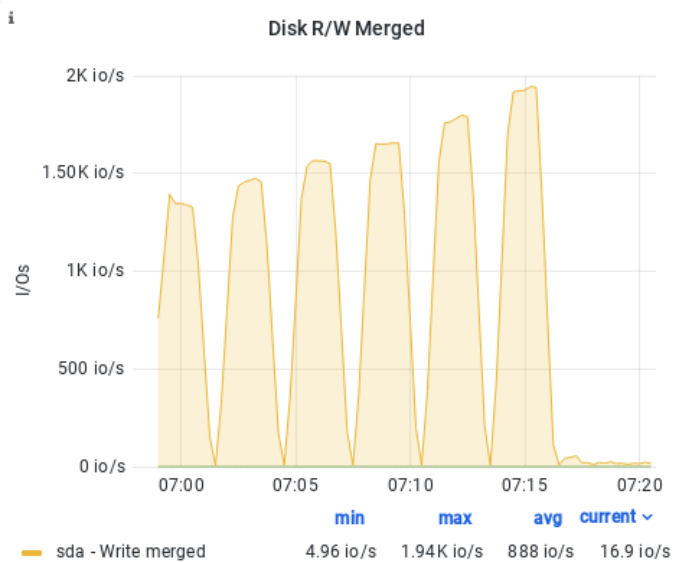
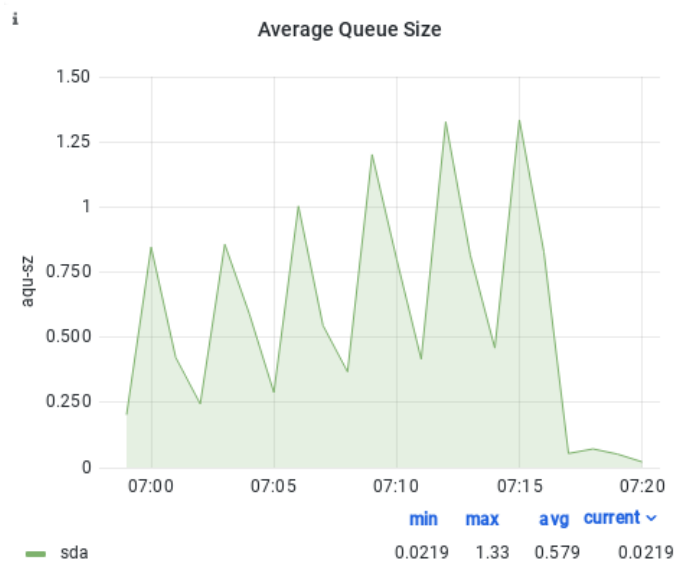
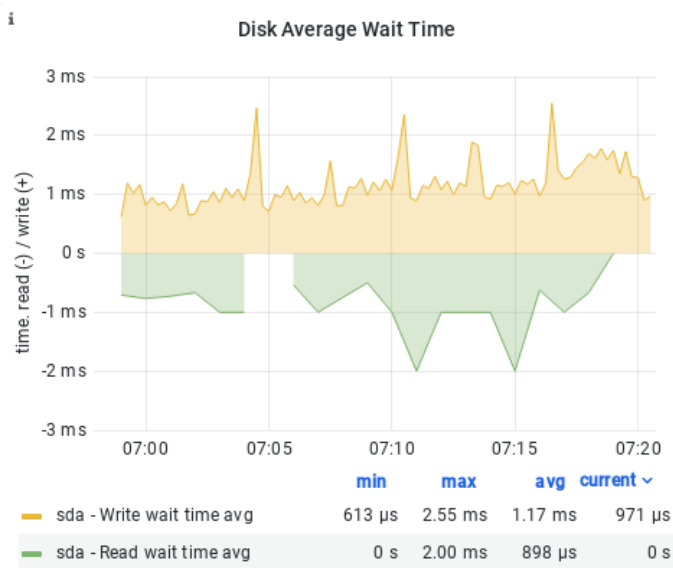
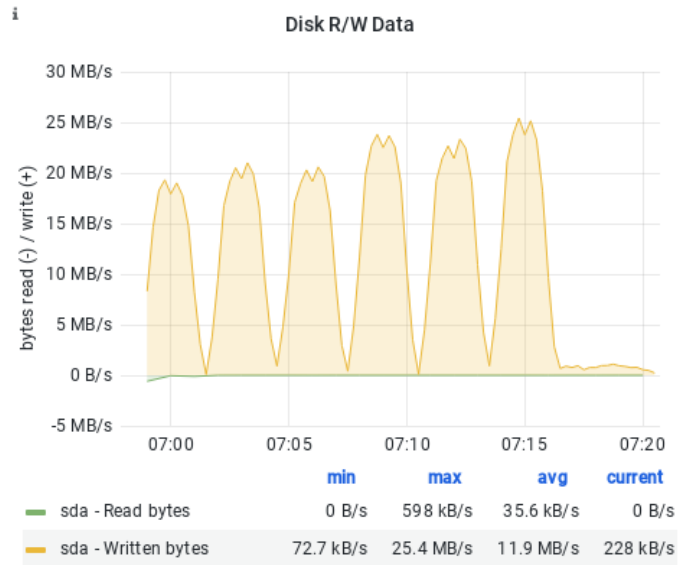
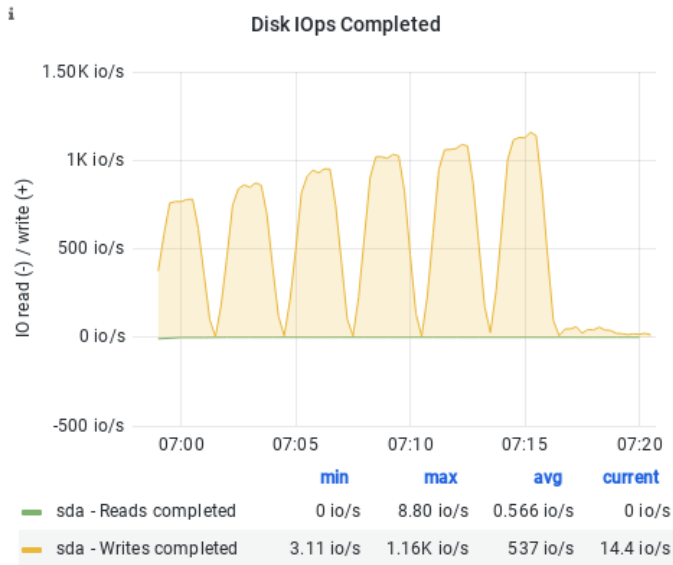


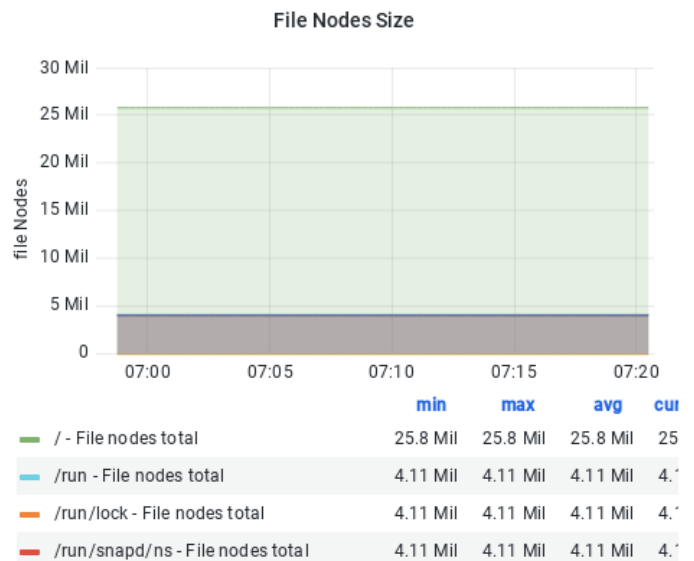
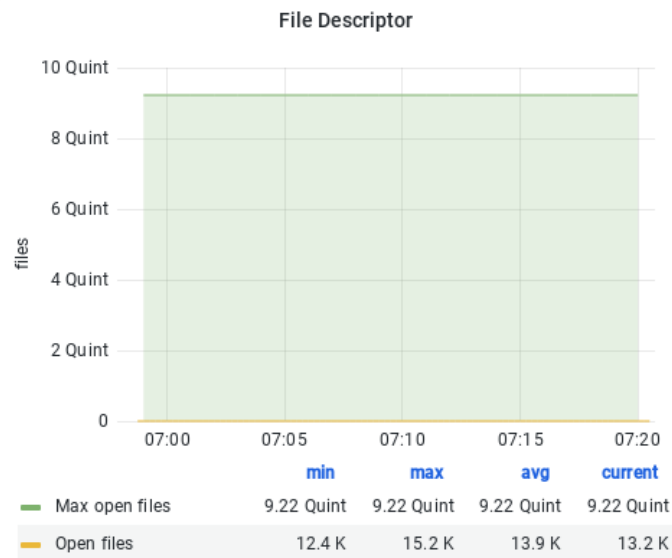
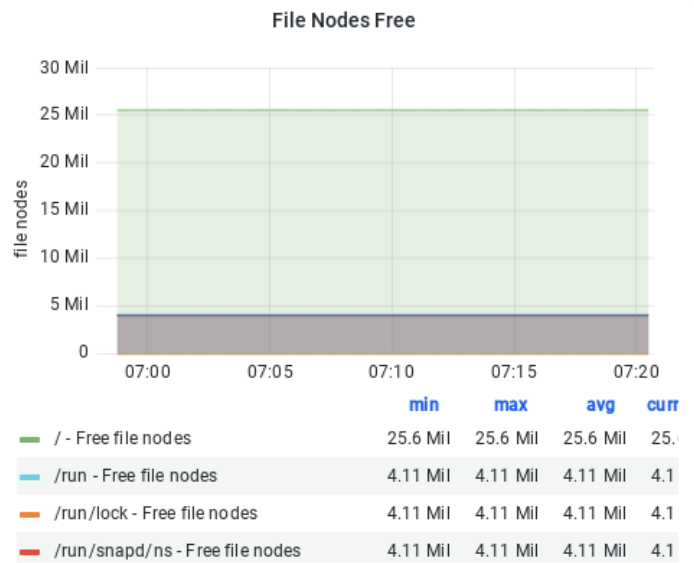
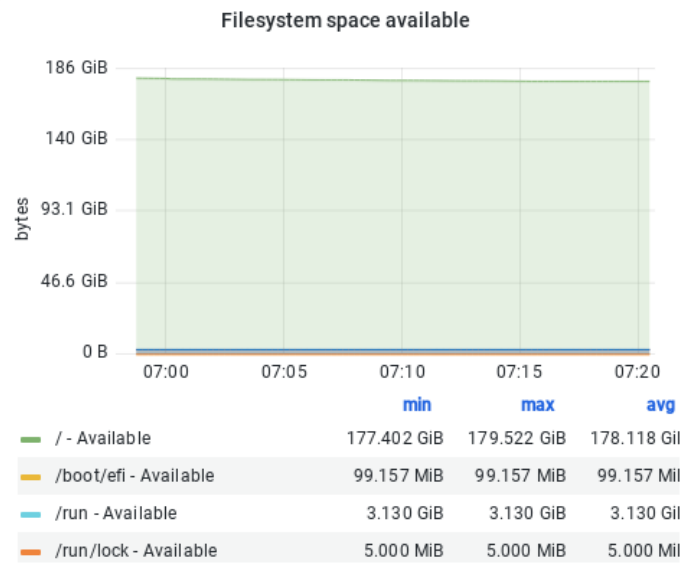
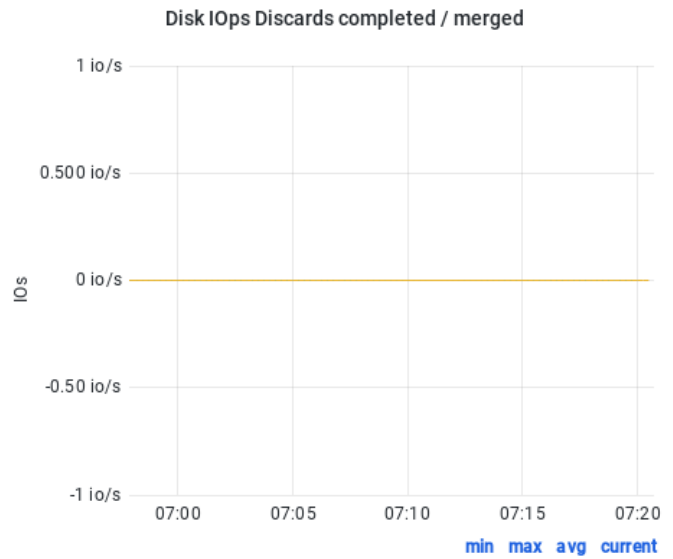
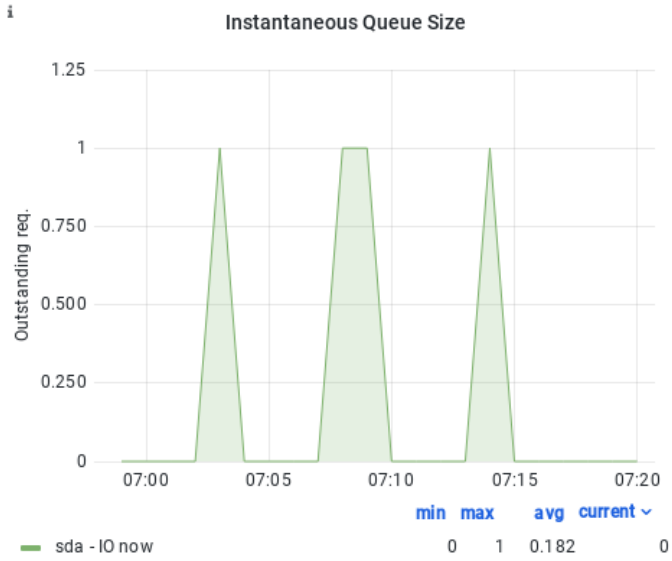
Systemd Sockets



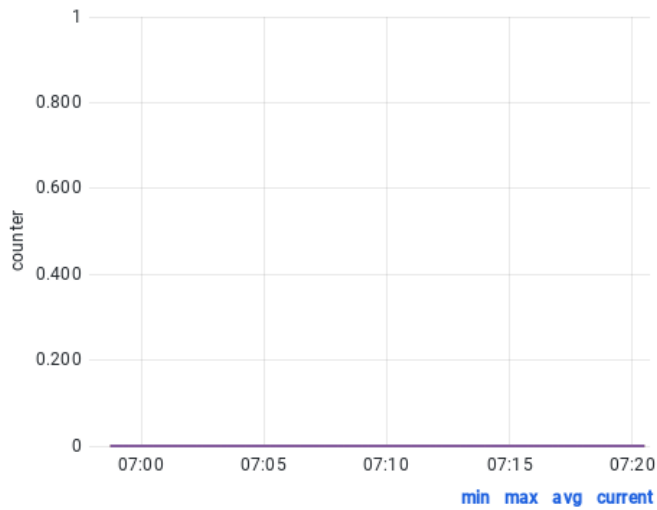
Systemd Units State



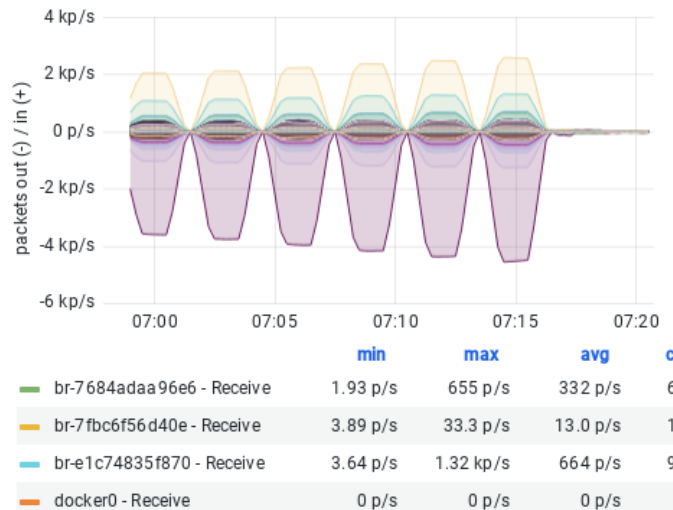




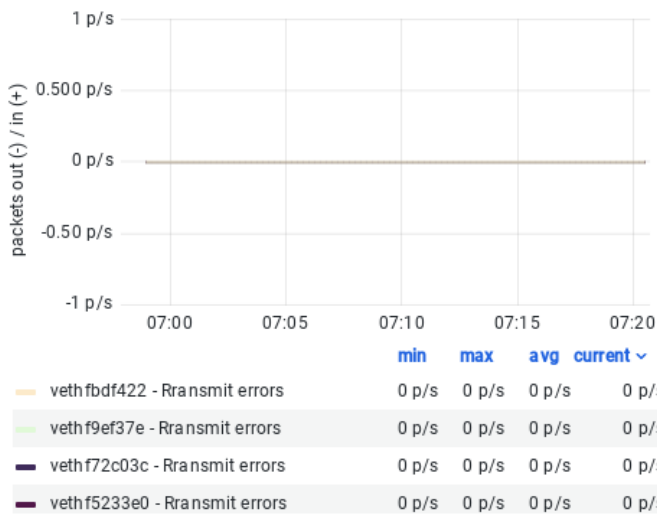
Filesystem in ReadOnly / Error



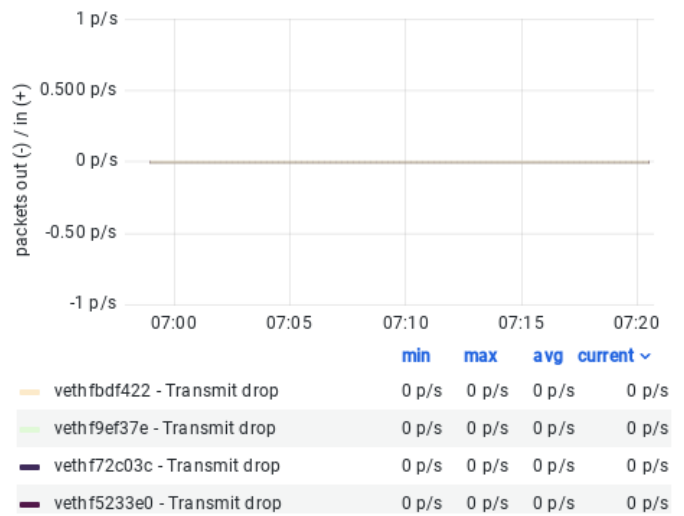
Network Traffic by Packets



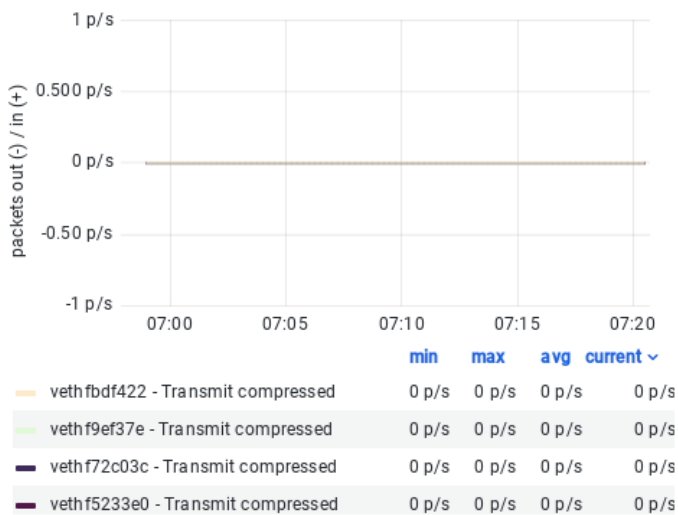
Network Traffic Errors



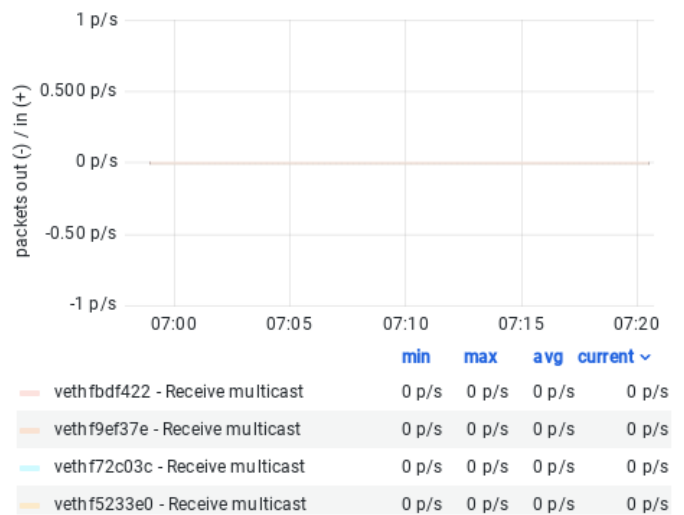
Network Traffic Drop



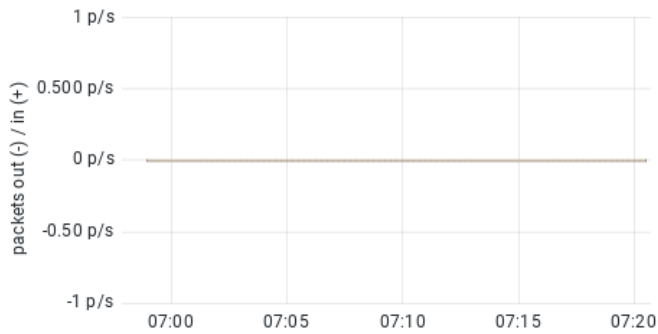
Network Traffic Compressed



Network Traffic Multicast

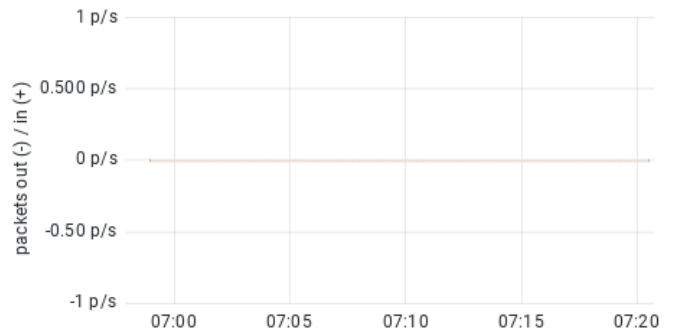


Network Traffic Fifo



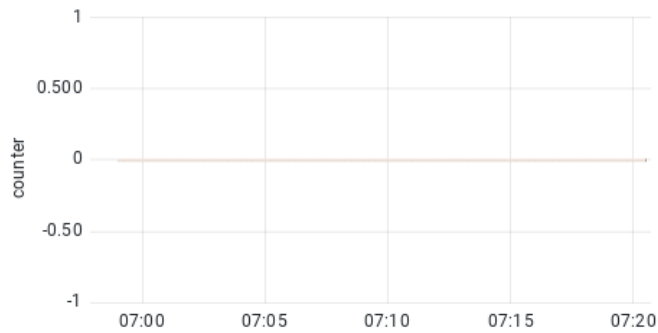
	min	max	avg	current
vethfbd422 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf9ef37e - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf72c03c - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf5233e0 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



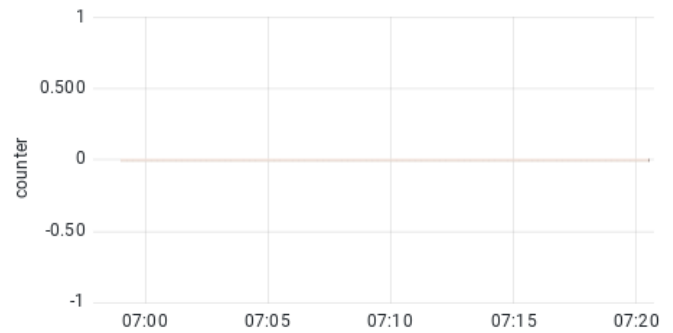
	min	max	avg	current
vethfbd422 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf9ef37e - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf72c03c - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf5233e0 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



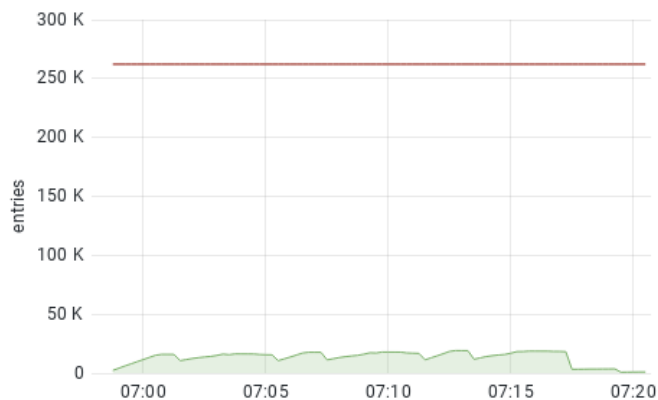
	min	max	avg	current
vethfbd422 - Statistic transmit_carrier	0	0	0	0
vethf9ef37e - Statistic transmit_carrier	0	0	0	0
vethf72c03c - Statistic transmit_carrier	0	0	0	0
vethf5233e0 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



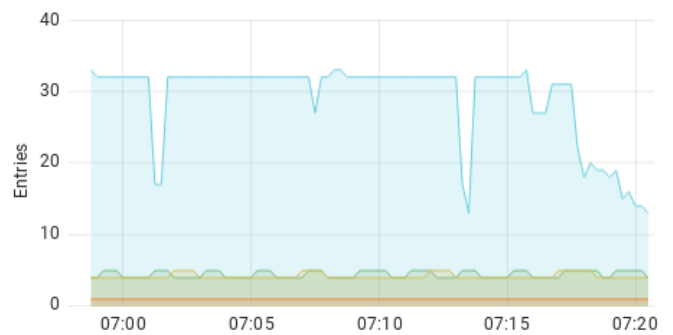
	min	max	avg	current
vethfbd422 - Transmit colls	0	0	0	0
vethf9ef37e - Transmit colls	0	0	0	0
vethf72c03c - Transmit colls	0	0	0	0
vethf5233e0 - Transmit colls	0	0	0	0

NF Contrack



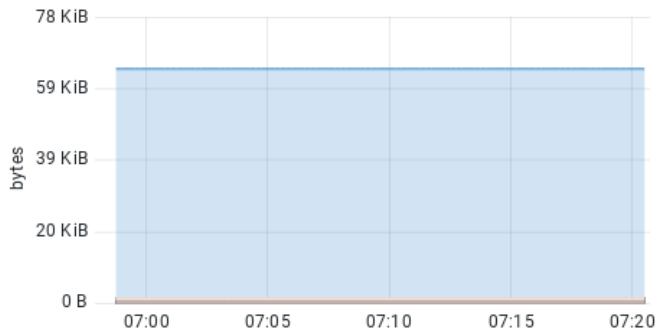
	min	max	avg	current
NF conntrack entries	770	19.1 K	13.1 K	982
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



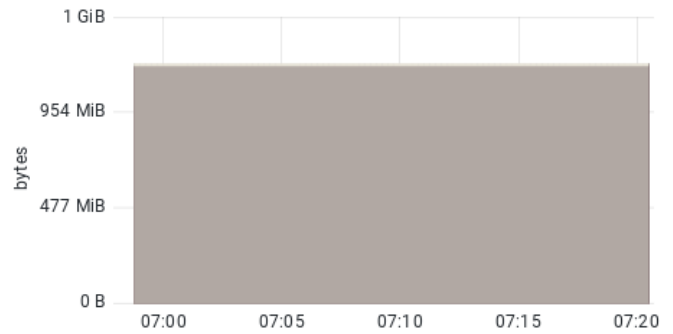
	min	max	avg	current
br-7684adaa96e6 - ARP entries	4	5	4.47	4
br-7fbc6f56d40e - ARP entries	4	5	4.20	4
br-e1c74835f870 - ARP entries	13	33	29.0	13
ens4 - ARP entries	1	1	1	1

MTU



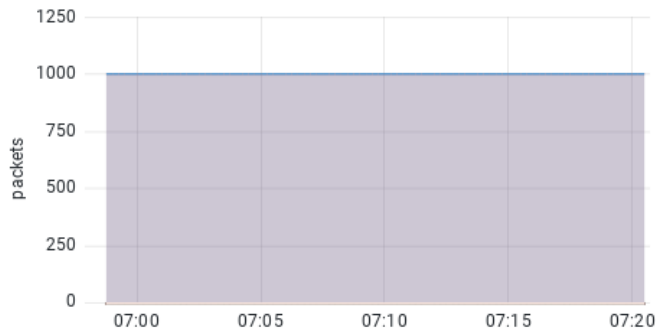
	min	max	avg	current
br-7684adaa96e6 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7fbc6f56d40e - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-e1c74835f870 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



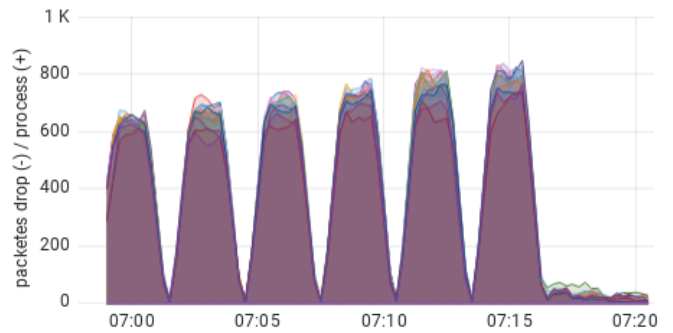
	min	max	avg	current
br-7684adaa96e6 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-7fbc6f56d40e - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-e1c74835f870 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB

Queue Length



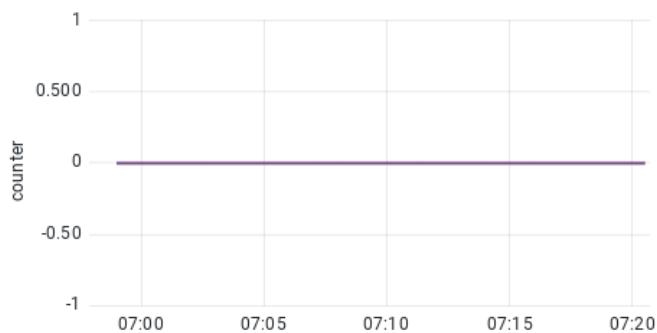
	min	max	avg	current
br-7684adaa96e6 - Interface transmit queue length	0	0	0	0
br-7fbc6f56d40e - Interface transmit queue length	0	0	0	0
br-e1c74835f870 - Interface transmit queue length	0	0	0	0
docker0 - Interface transmit queue length	0	0	0	0

Softnet Packets



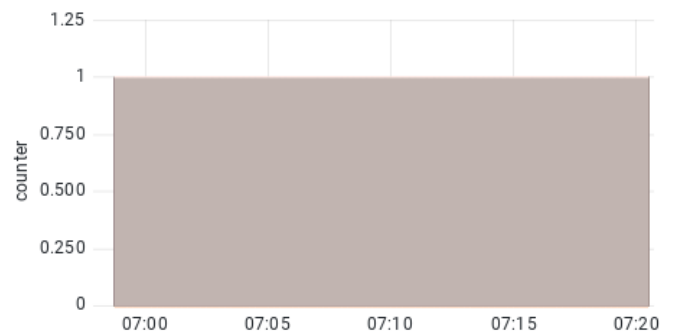
	min	max	avg	current
CPU 16 - Processed	2.07	784	355	27.8
CPU 2 - Processed	3.84	731	362	23
CPU 3 - Processed	7.38	810	387	22.9
CPU 14 - Processed	1.40	808	404	22.9

Softnet Out of Quota



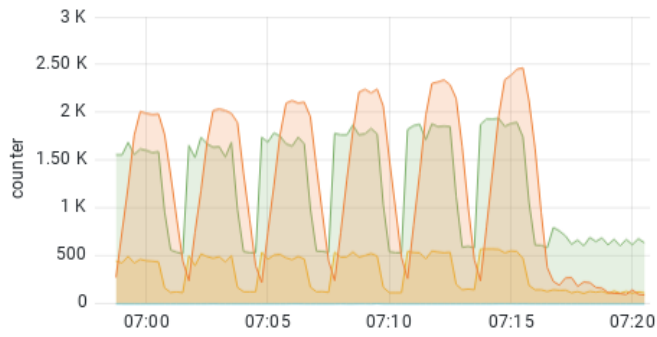
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status



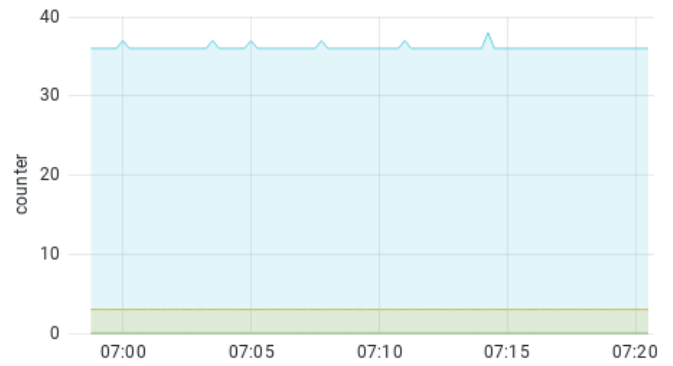
	min	max	avg	current
vethfbd422 - Physical link state	1	1	1	1
vethf9ef37e - Physical link state	1	1	1	1
vethf72c03c - Physical link state	1	1	1	1
vethf5233e0 - Physical link state	1	1	1	1

Sockstat TCP



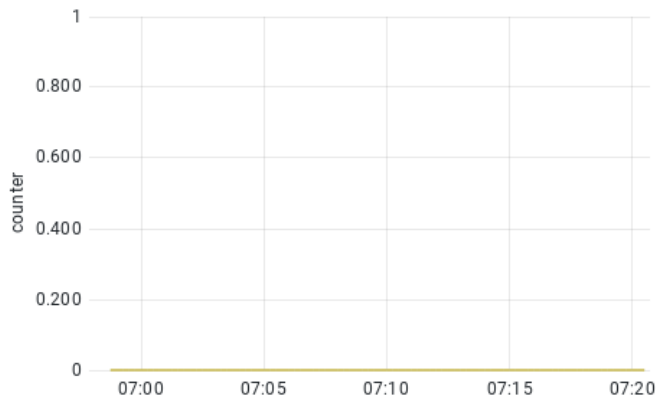
	min	max	avg	current
TCP_alloc - Allocated sockets	525	1.94 K	1.26 K	640
TCP_inuse - Tcp sockets currently in use	112	575	337	118
TCP_orphan - Orphan sockets	0	3	0.159	0
TCP_tw - Sockets wating close	94	2.47 K	1.24 K	94

Sockstat UDP



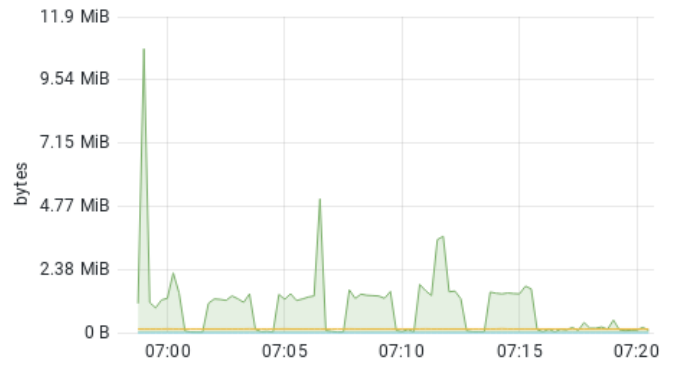
	min	max	avg	current
UDPLITE_inuse - Udp sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	3	3	3	3
UDP_mem - Used memory for udp	36	38	36.1	36

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



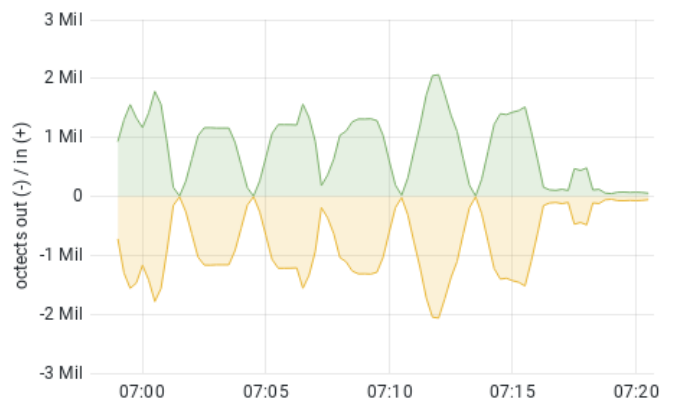
	min	max	avg	current
mem_bytes - TCP sockets in that state	16 KiB	10.7 MiB	1.01 MiB	8
mem_bytes - UDP sockets in that state	144 KiB	152 KiB	144 KiB	14
FRAG_memory - Used memory for frag	0 B	0 B	0 B	0

Sockstat Used



	min	max	avg	current
Sockets_used - Sockets currently in use	587	1.05 K	809	593

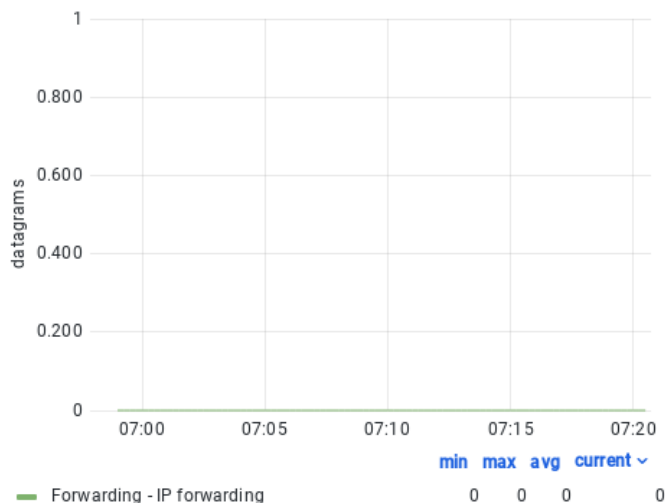
Netstat IP In / Out Octets



	min	max	avg	current
OutOctets - Sent octets	6.33 K	2.07 Mil	816 K	56.3 K
InOctets - Received octets	4.86 K	2.06 Mil	815 K	54.6 K



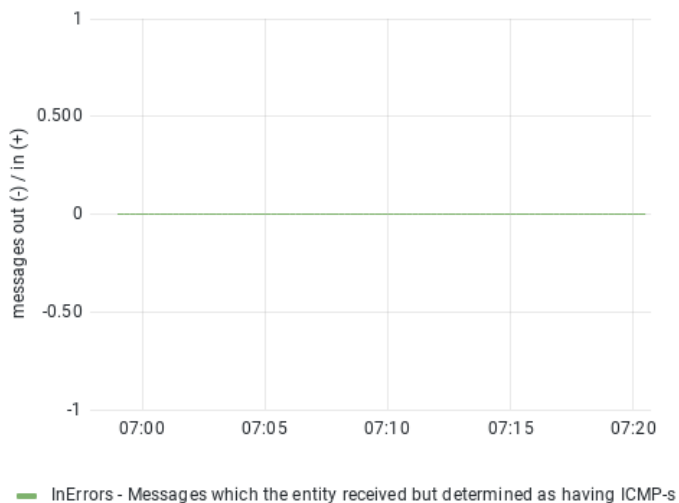
### Netstat IP Forwarding



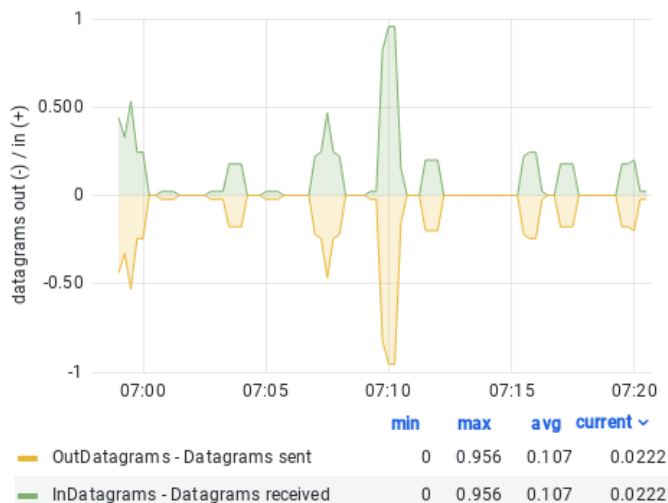
### ICMP In / Out



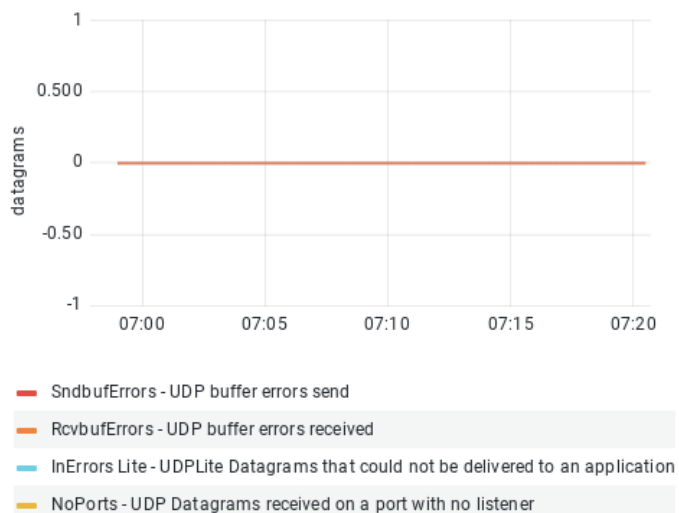
### ICMP Errors



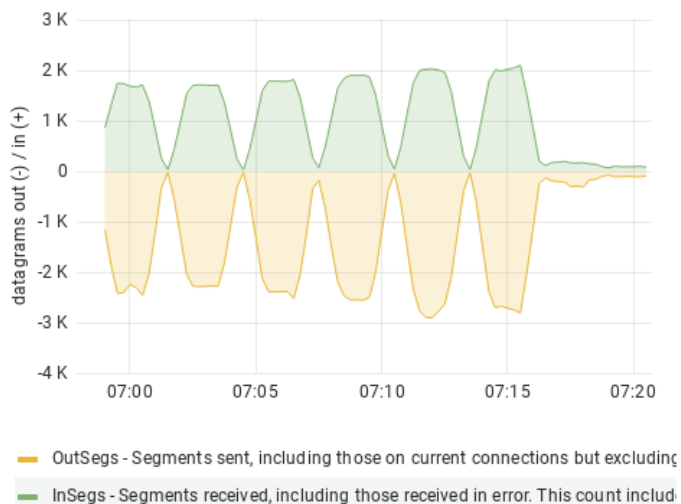
### UDP In / Out



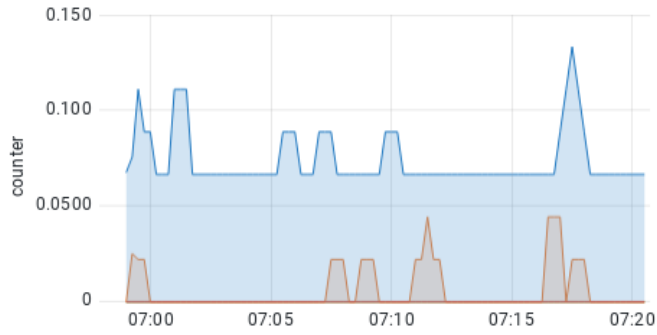
### UDP Errors



### TCP In / Out

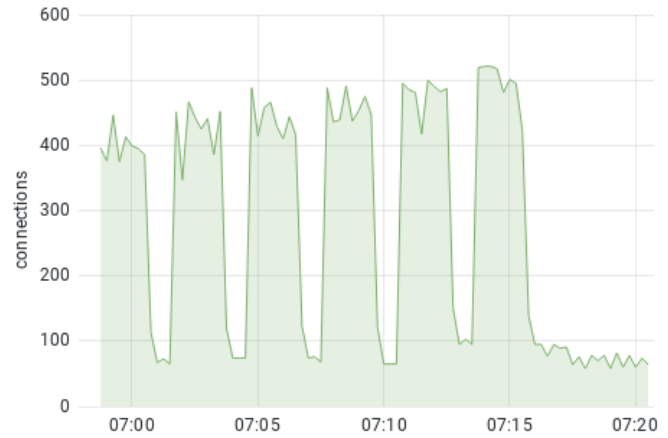


TCP Errors



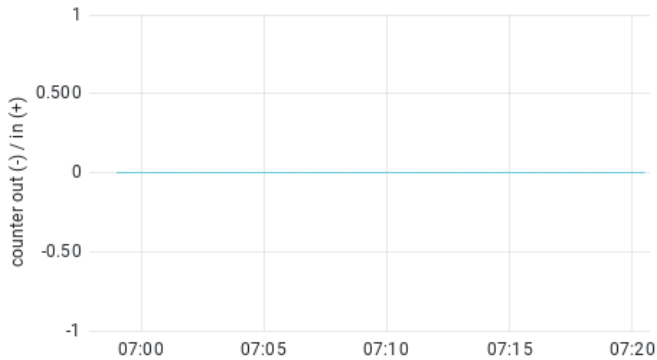
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



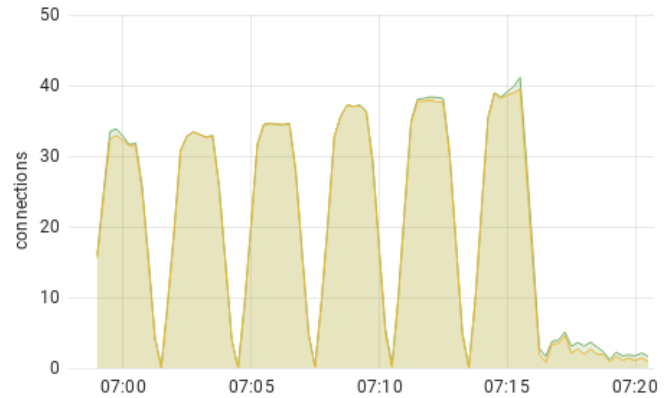
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



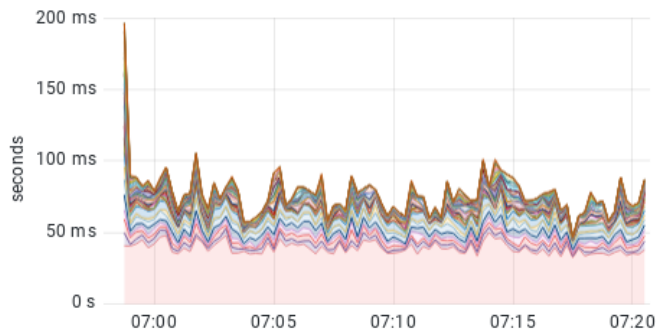
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

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	32.7 ms	50.3 ms	39.3 ms	37.9
diskstats - Scrape duration	634 $\mu$ s	9.01 ms	2.82 ms	6.16
thermal_zone - Scrape duration	867 $\mu$ s	9.75 ms	3.40 ms	3.89
netstat - Scrape duration	679 $\mu$ s	7.80 ms	2.53 ms	3.78

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