

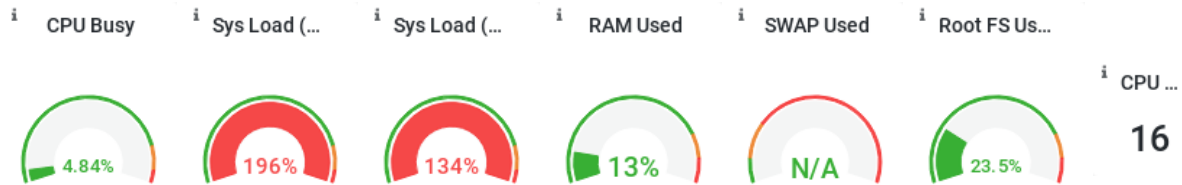
# Host Metrics

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

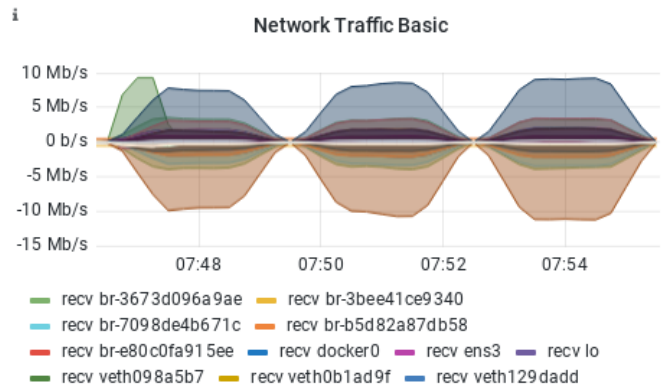
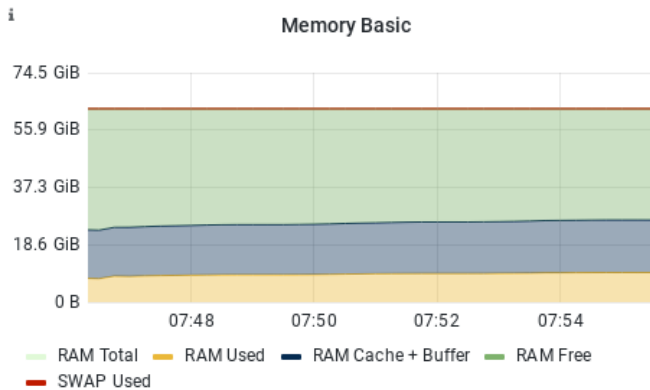
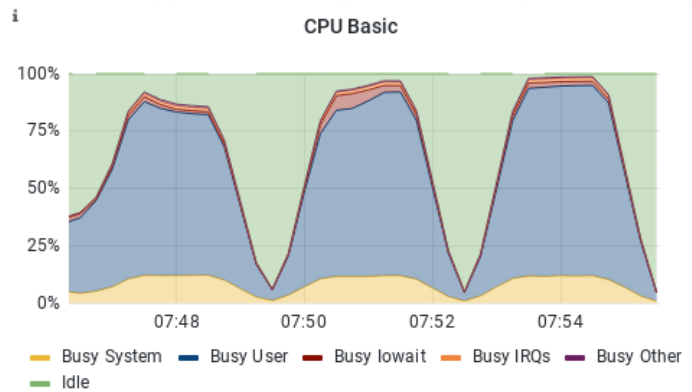
Tue Mar 8 07:46:19 UTC 2022

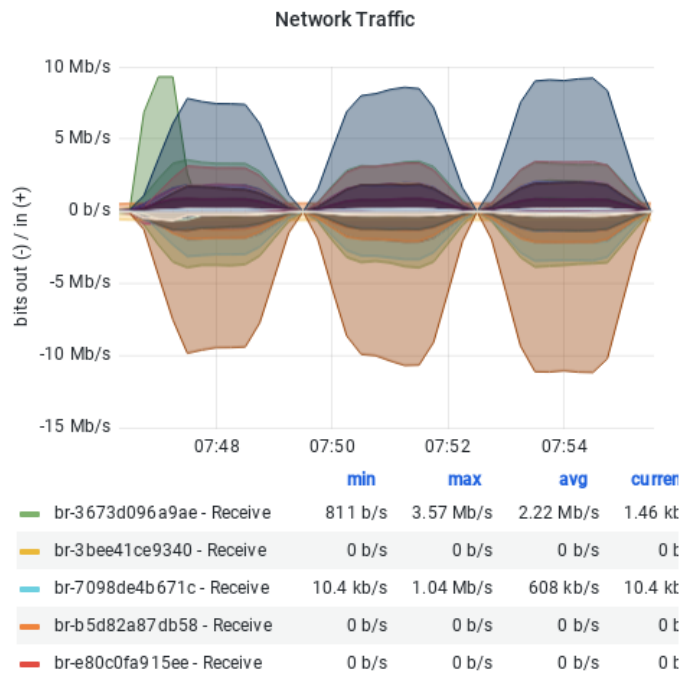
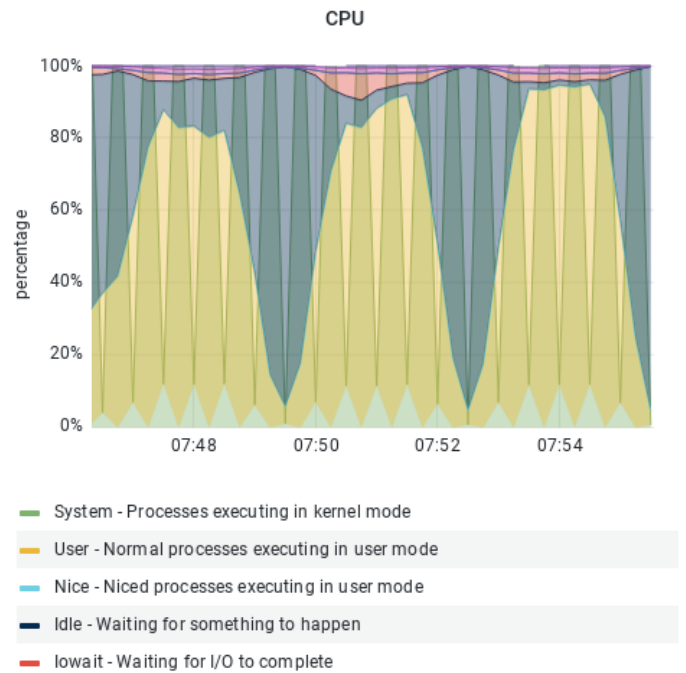
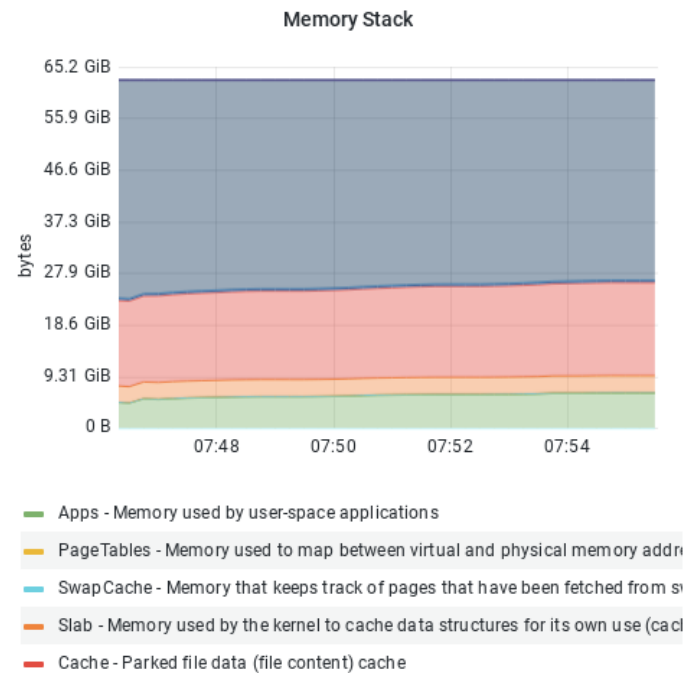
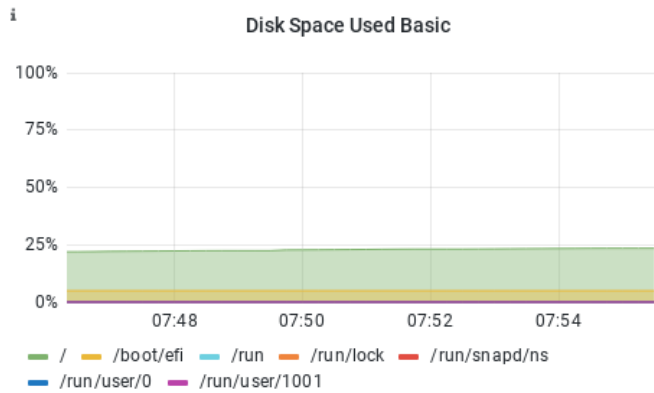
to

Tue Mar 8 07:55:33 UTC 2022

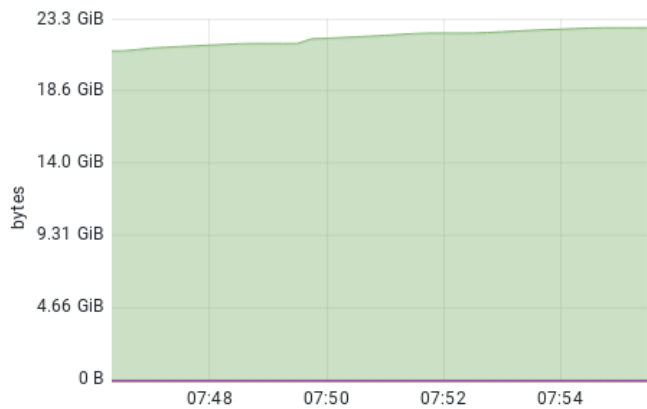


Uptime: 21.0 week  
Root FS Used: 97 GiB  
RAM Used: 63 GiB  
SWAP Used: 0 B



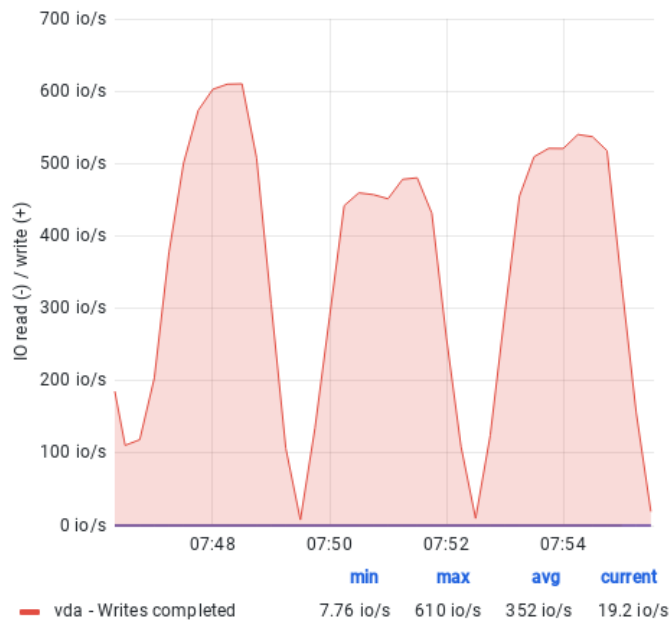


Disk Space Used



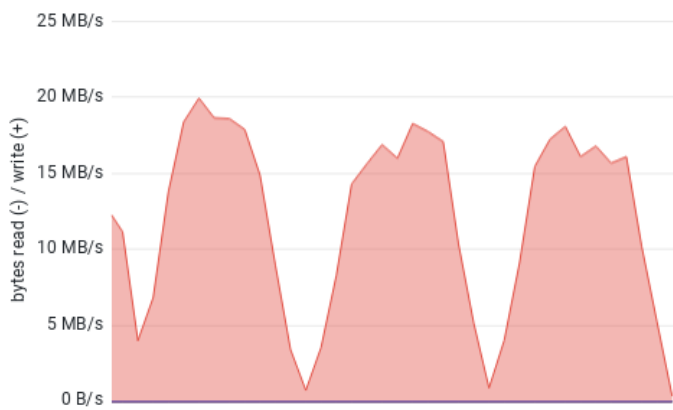
/run/lock	0 B	0 B	0 B	0 B
/run/user/0	0 B	0 B	0 B	0 B
/run/user/1001	0 B	0 B	0 B	0 B
/run	4.180 MiB	4.180 MiB	4.180 MiB	4.180 MiB
/run/snapd/ns	4.180 MiB	4.180 MiB	4.180 MiB	4.180 MiB

Disk IOps



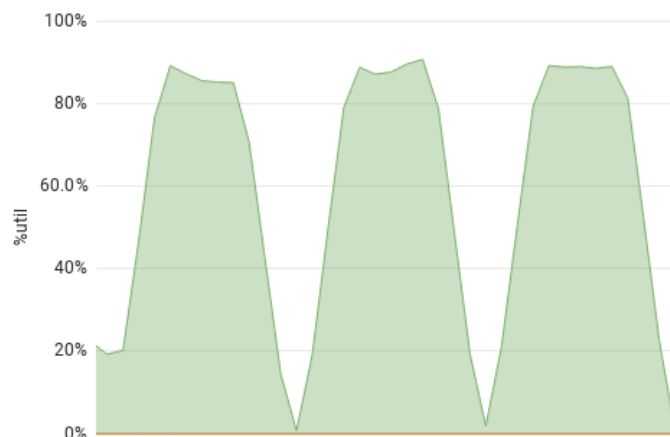
vda - Writes completed

I/O Usage Read / Write



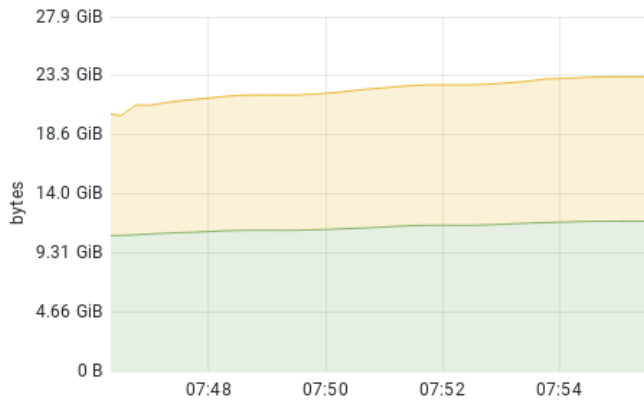
vda - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdb - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdc - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdd - Successfully read bytes	0 B/s	0 B/s	0 B/s
vda - Successfully written bytes	352.893 kB/s	19.921 MB/s	12.056 MB/s

I/O Utilization



vda	0.684%	90.630%	58.863%	0.827%
vdb	0%	0%	0%	0%
vdc	0%	0%	0%	0%
vdd	0%	0%	0%	0%

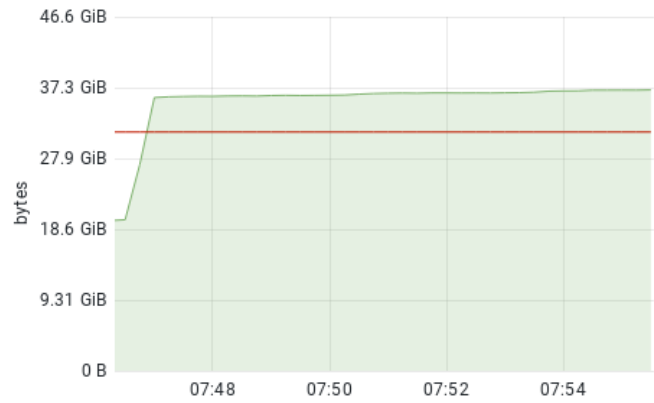
Memory Active / Inactive



— 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

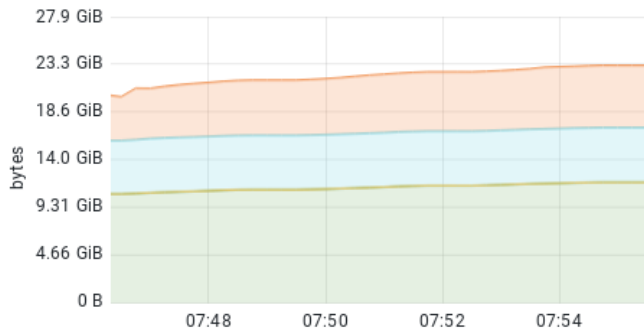
Memory Committed



— 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



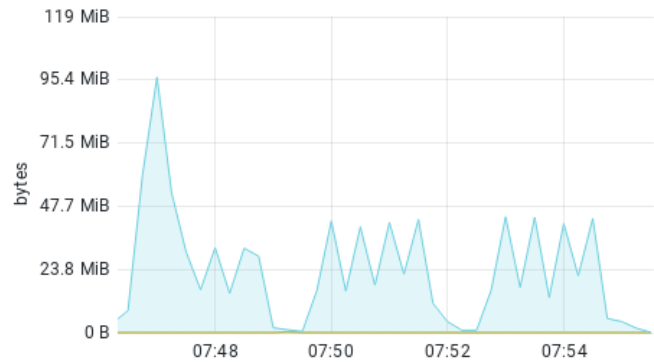
— Inactive\_file - File-backed memory on inactive LRU list

— 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



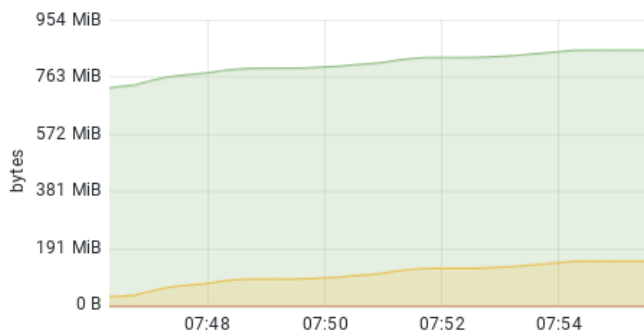
— Writeback - Memory which is actively being written back to disk

— WritebackTmp - Memory used by FUSE for temporary writeback buffers

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

80.0

Memory Shared and Mapped



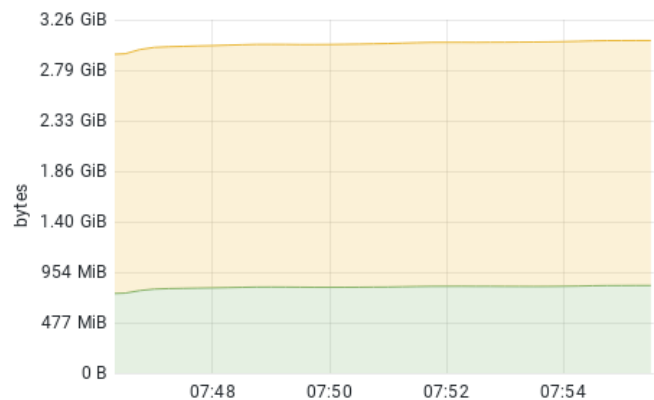
— Mapped - Used memory in mapped pages files which have been mmaped, such

— 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

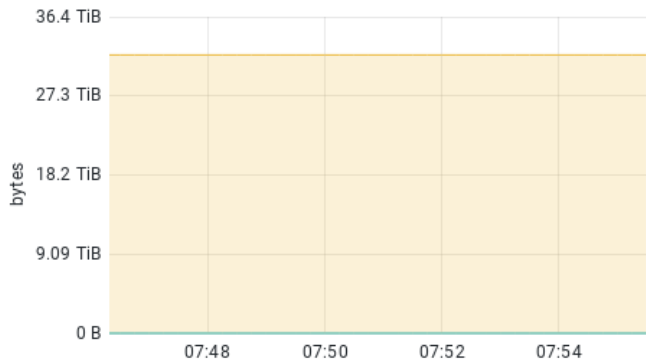


— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure

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

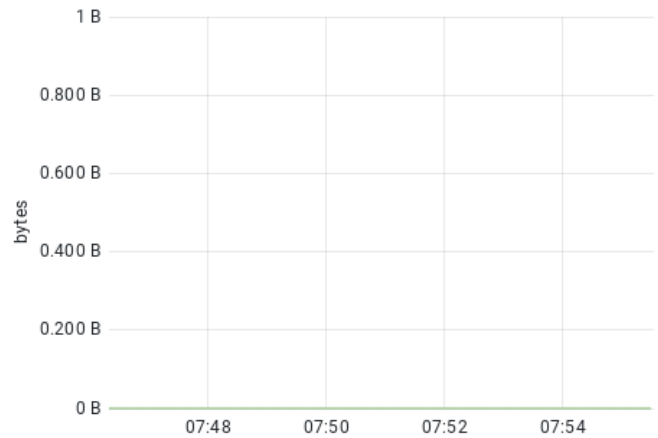
75

Memory Vmalloc



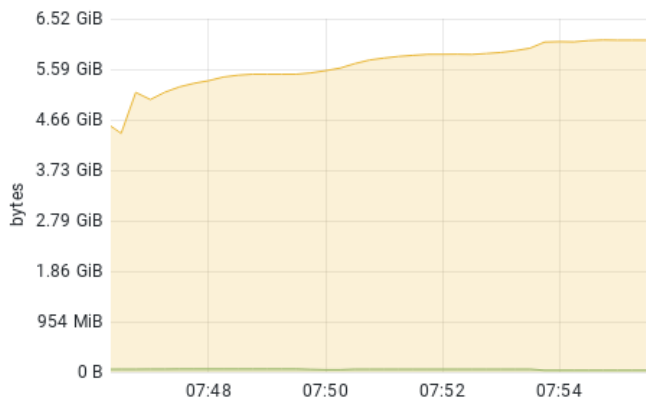
VmallocChunk - Largest contiguous block of vmalloc area which is free  
 VmallocTotal - Total size of vmalloc memory area 32.0  
 VmallocUsed - Amount of vmalloc area which is used 48.7

Memory Bounce



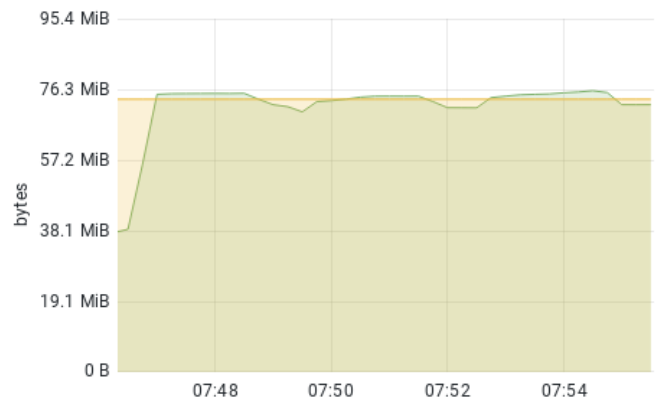
Bounce - Memory used for block device bounce buffers 0 B 0 B 0 B

Memory Anonymous



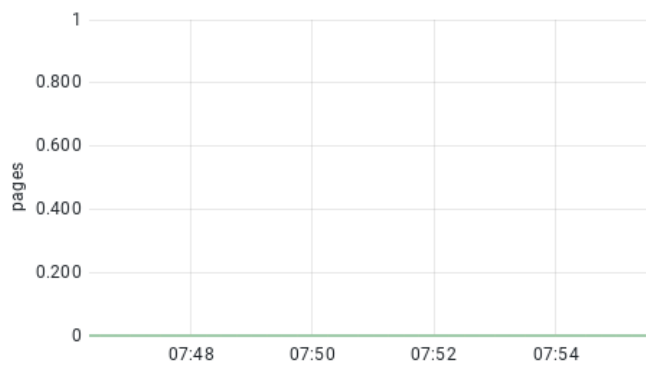
AnonHugePages - Memory in anonymous huge pages 34.00 MiB 58.00 MiB  
 AnonPages - Memory in user pages not backed by files 4.40 GiB 6.13 GiB

Memory Kernel / CPU



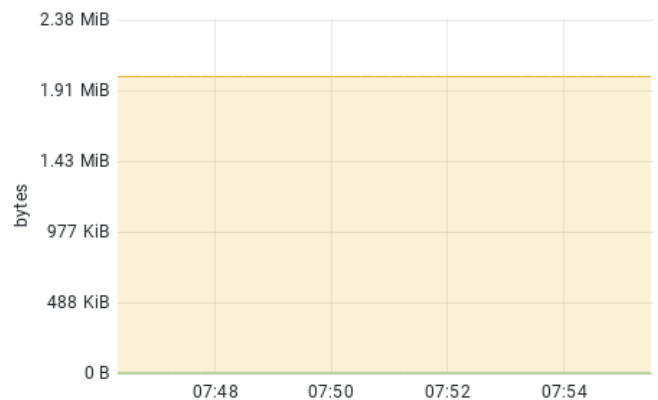
KernelStack - Kernel memory stack. This is not reclaimable 37.6  
 PerCPU - Per CPU memory allocated dynamically by loadable modules 73.6

Memory HugePages Counter



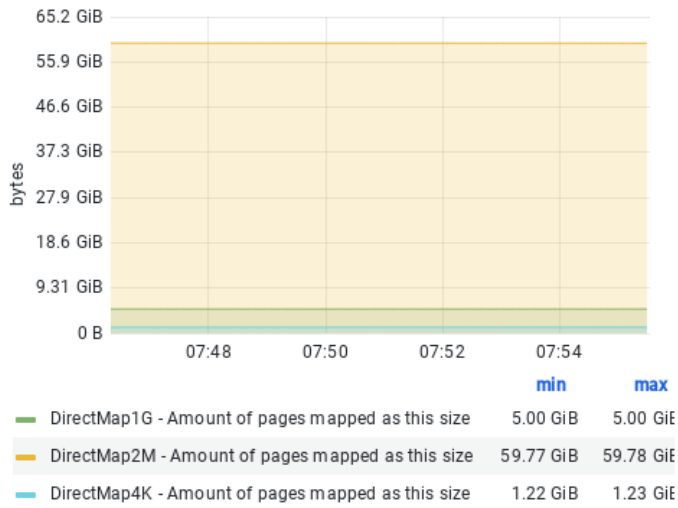
HugePages\_Free - Huge pages in the pool that are not yet allocated  
 HugePages\_Rsvd - Huge pages for which a commitment to allocate from the pool has been made but which are not yet allocated  
 HugePages\_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr\_hugepages

Memory HugePages Size

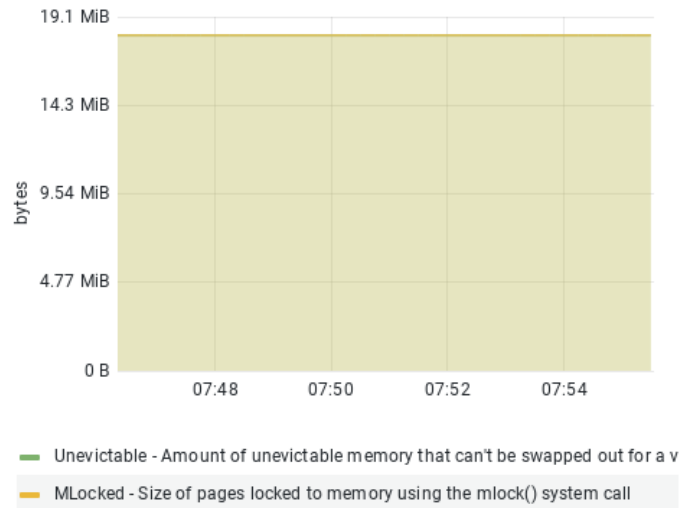


HugePages - Total size of the pool of huge pages 0 B 0 B  
 Hugepagesize - Huge Page size 2.00 MiB 2.00 MiB 2.00 MiB

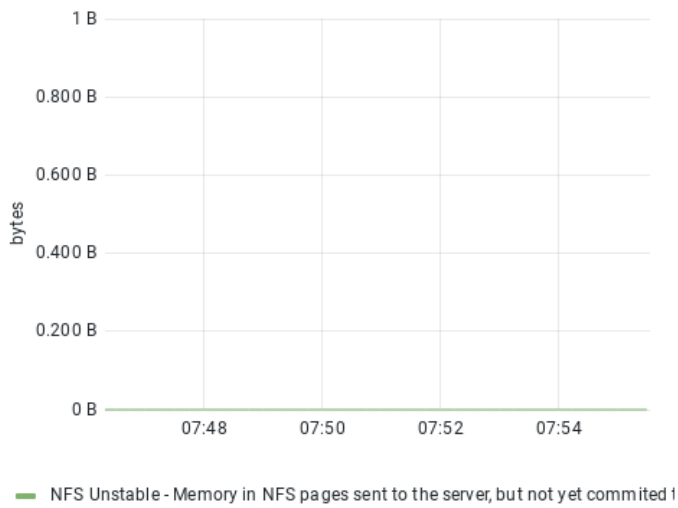
Memory DirectMap



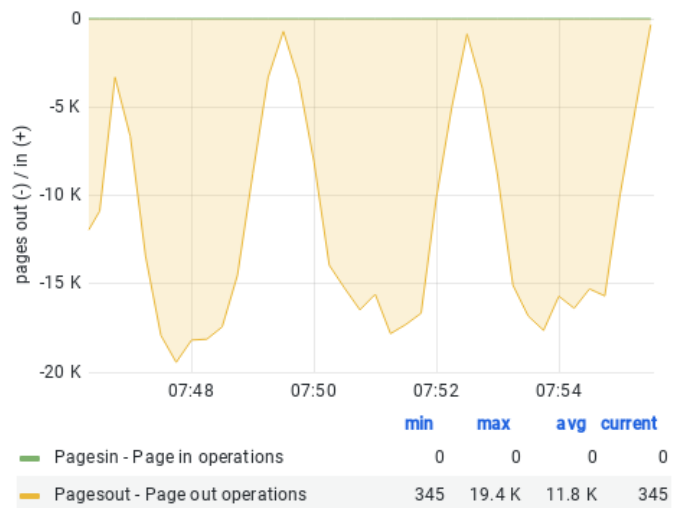
Memory Unevictable and MLocked



Memory NFS



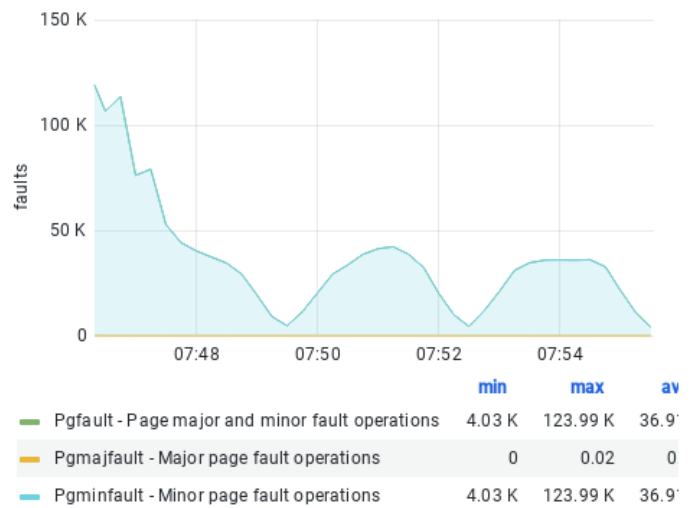
Memory Pages In / Out



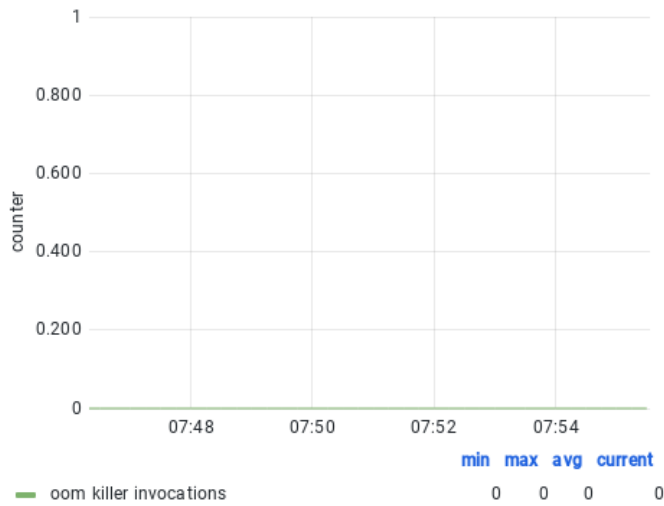
Memory Pages Swap In / Out



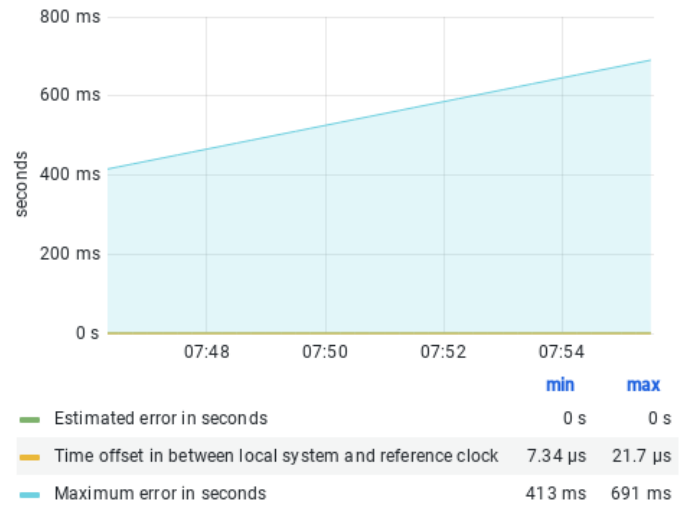
Memory Page Faults



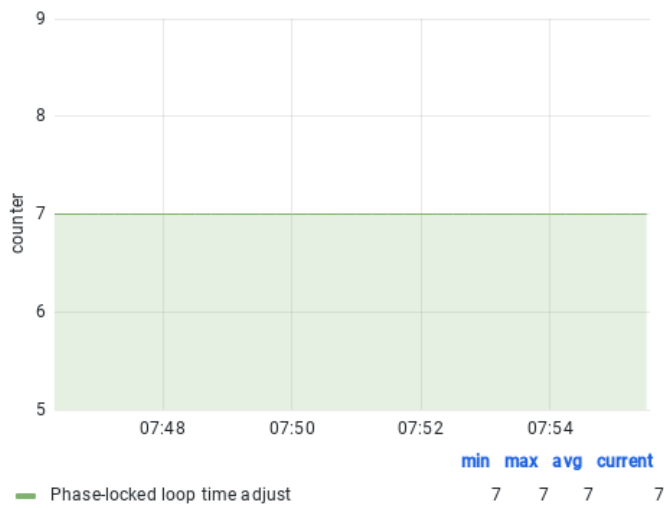
OOM Killer



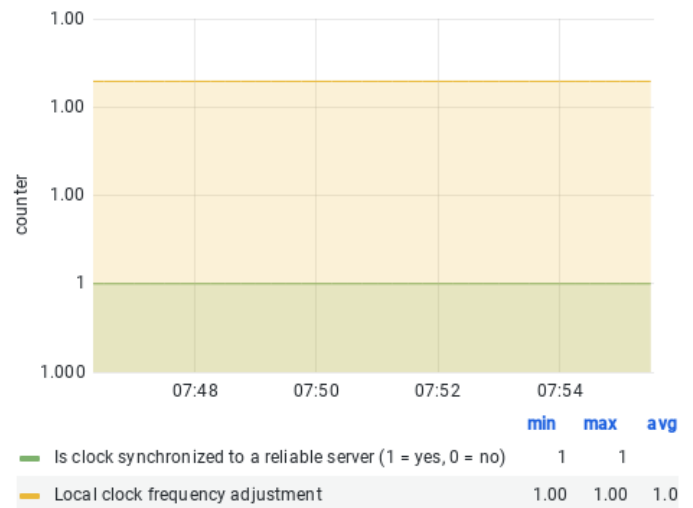
Time Synchronized Drift



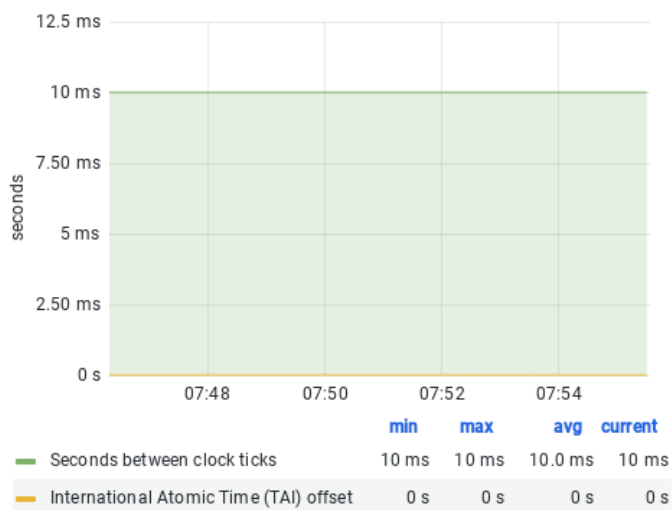
Time PLL Adjust



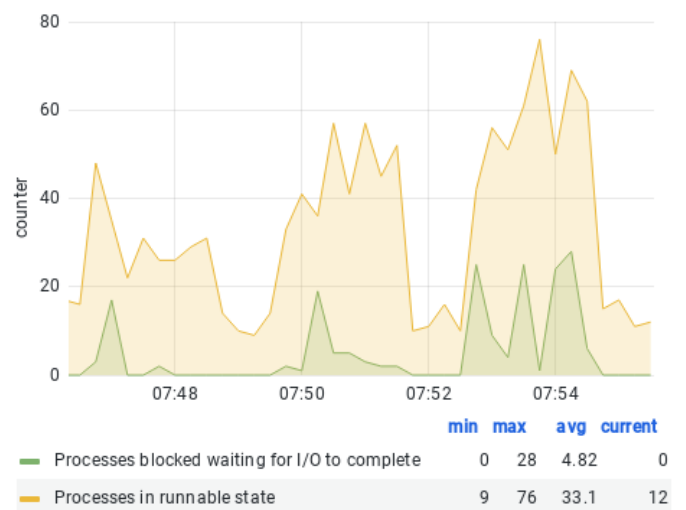
Time Synchronized Status



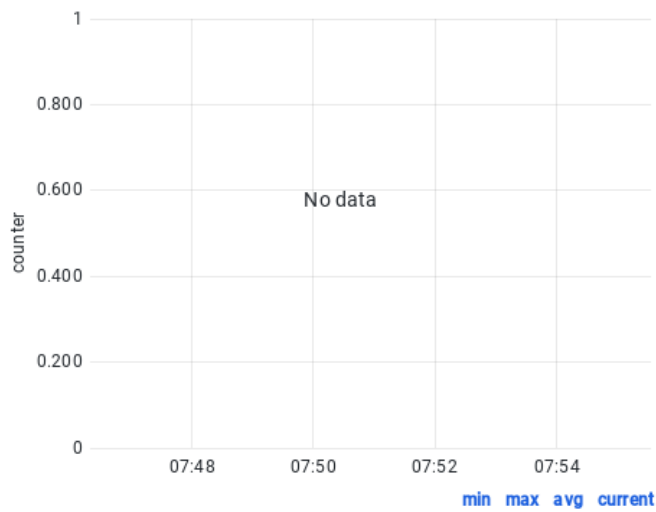
Time Misc



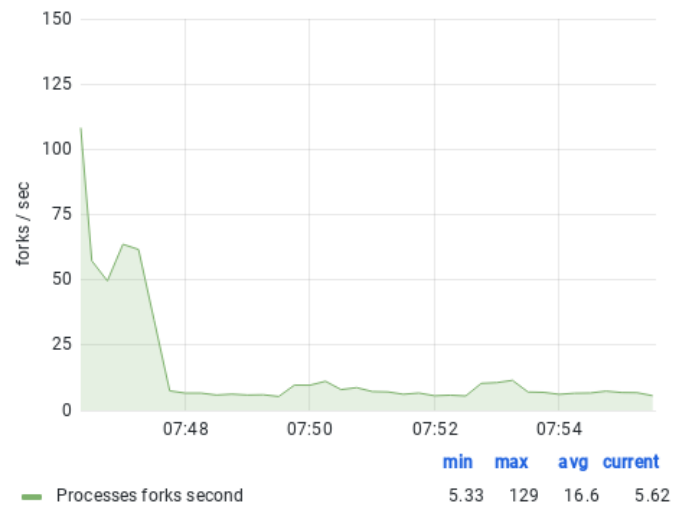
Processes Status



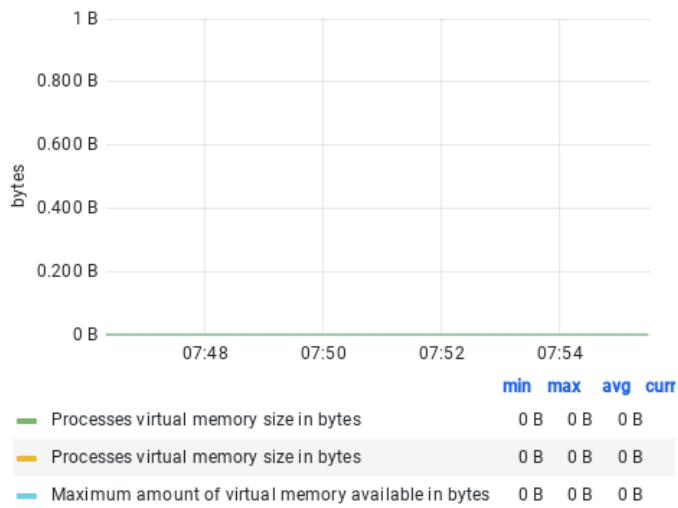
Processes State



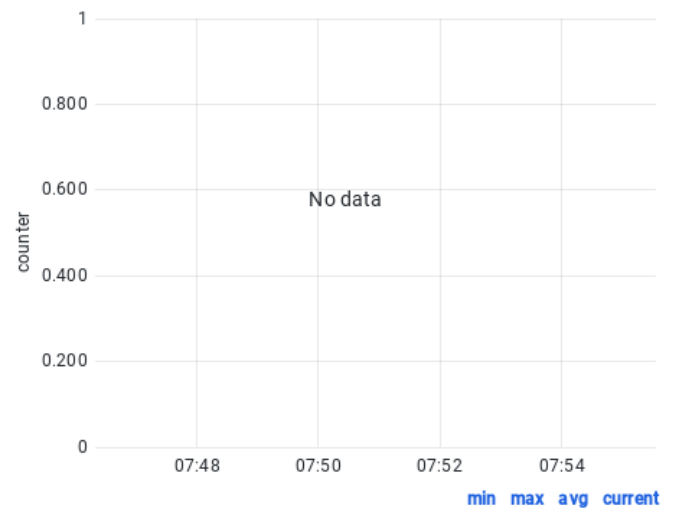
Processes Forks



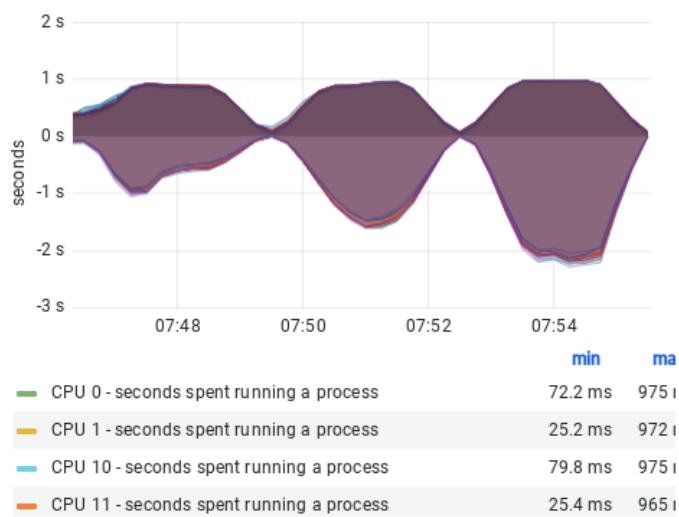
Processes Memory



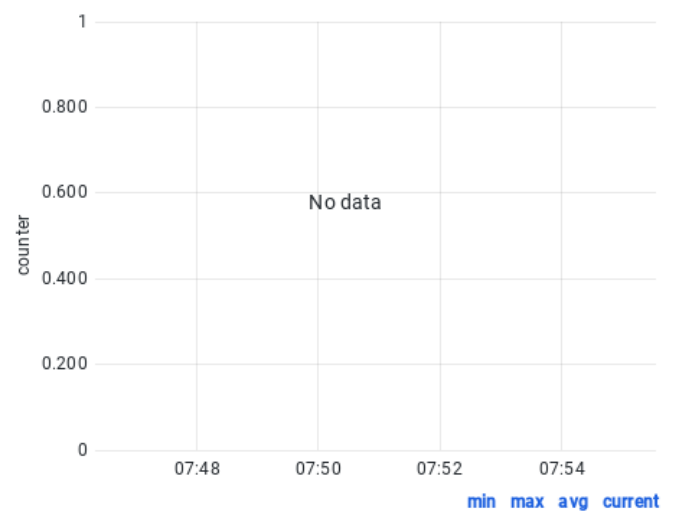
PIDs Number and Limit



Process schedule stats Running / Waiting

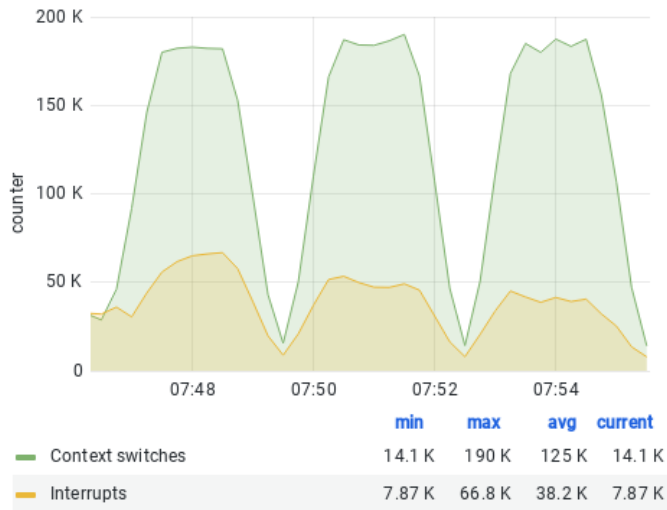


Threads Number and Limit

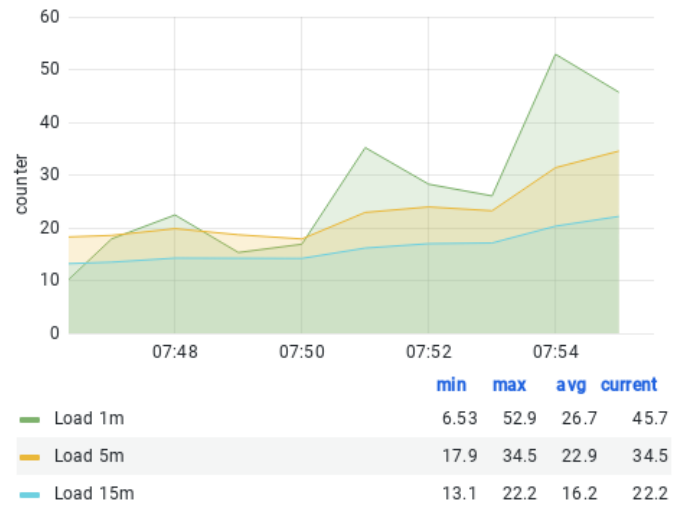




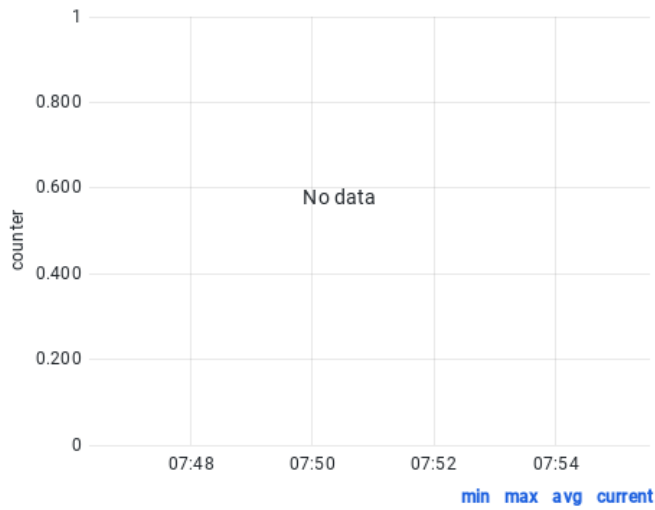
Context Switches / Interrupts



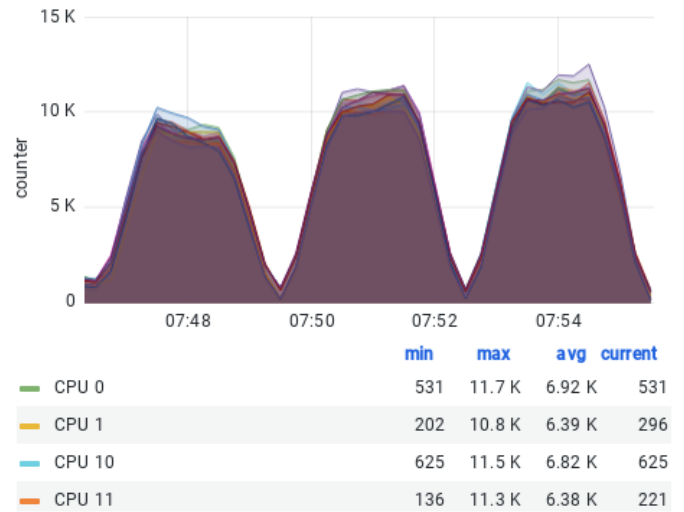
System Load



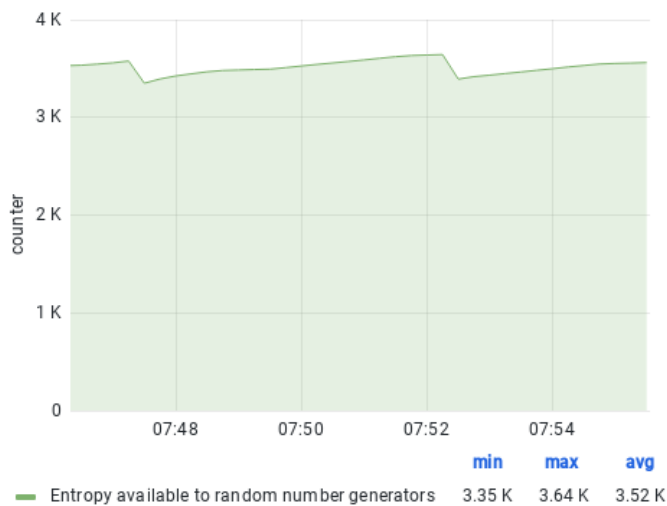
Interrupts Detail



Schedule timeslices executed by each cpu



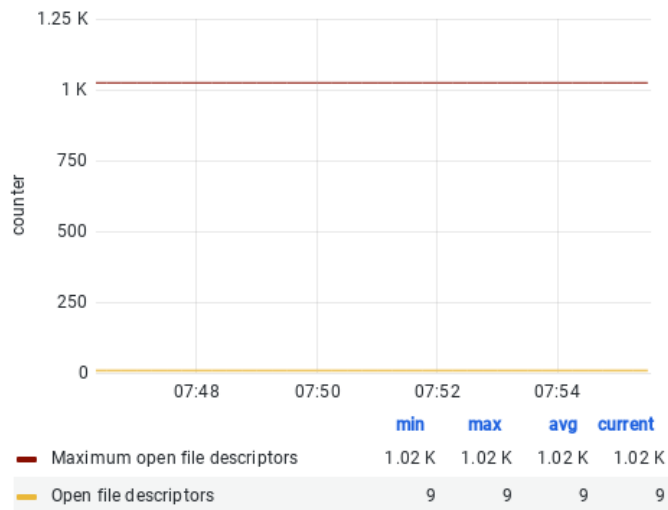
Entropy



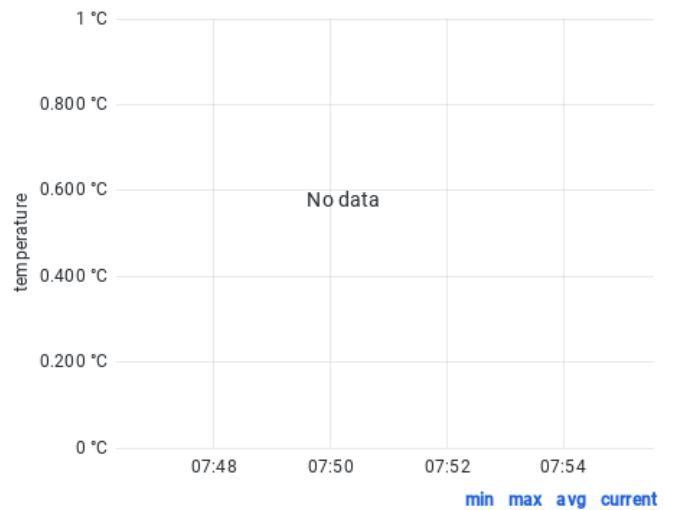
CPU time spent in user and system contexts



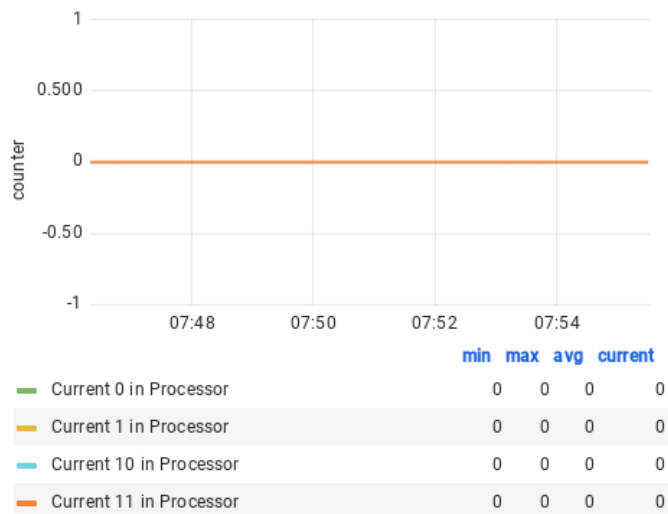
File Descriptors



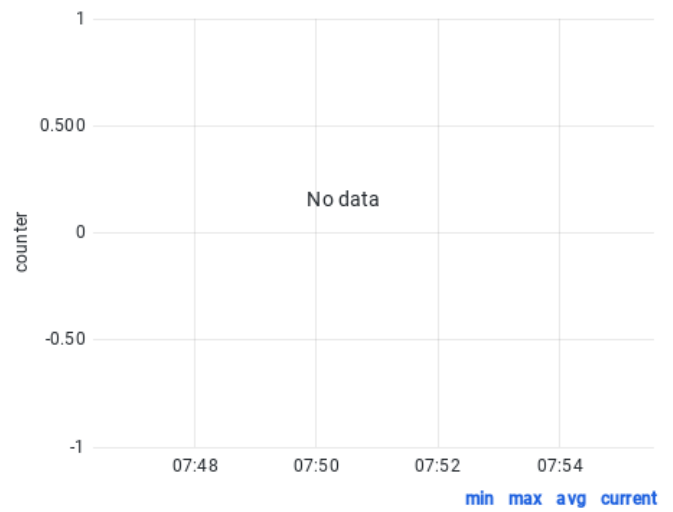
Hardware temperature monitor



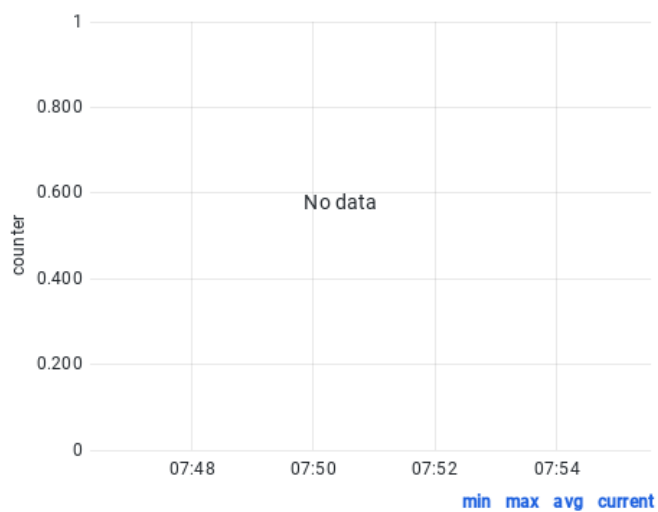
Throttle cooling device



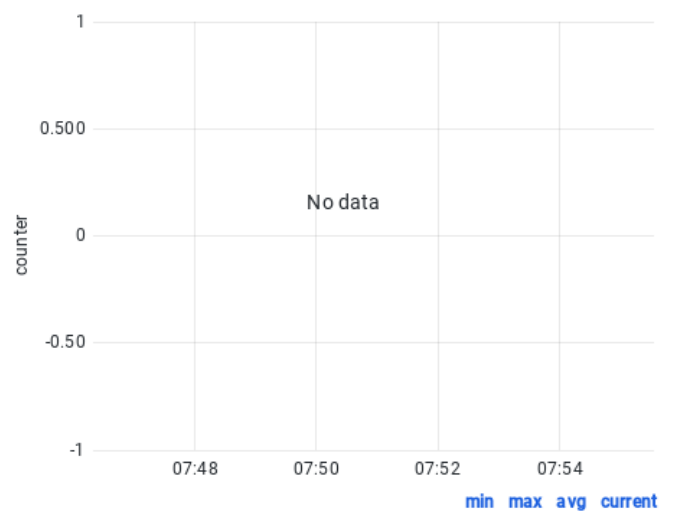
Power supply

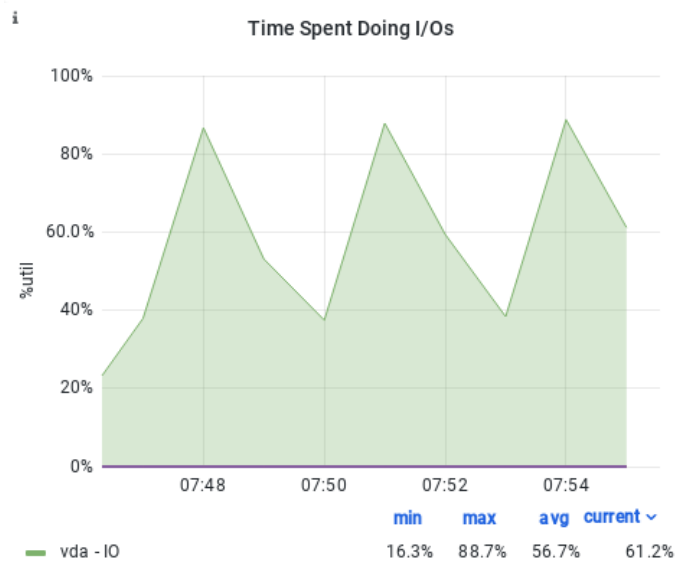
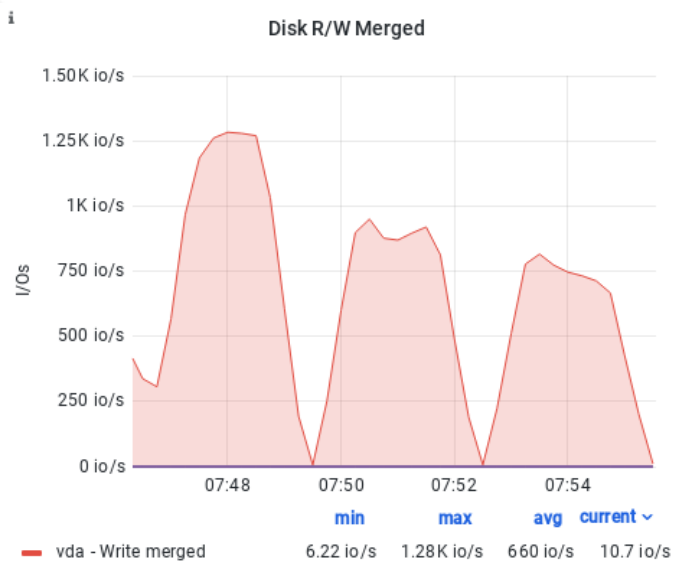
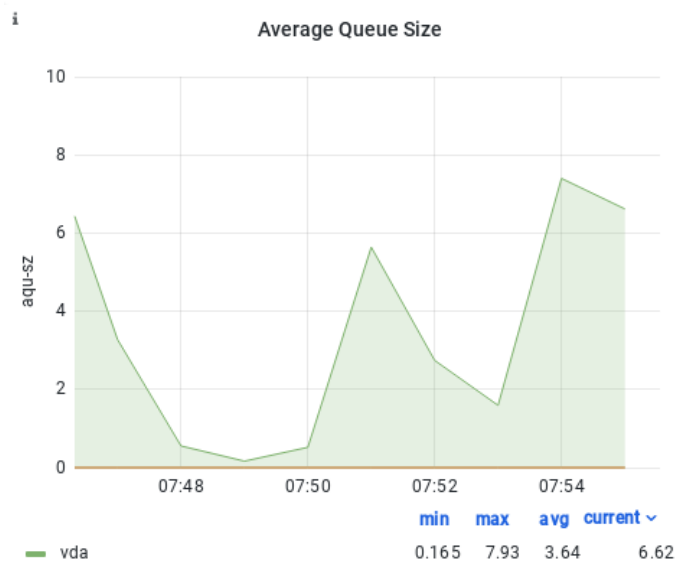
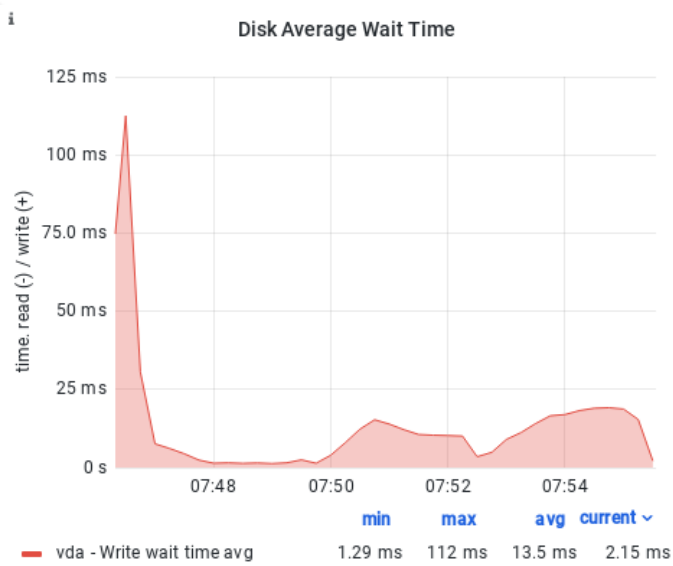
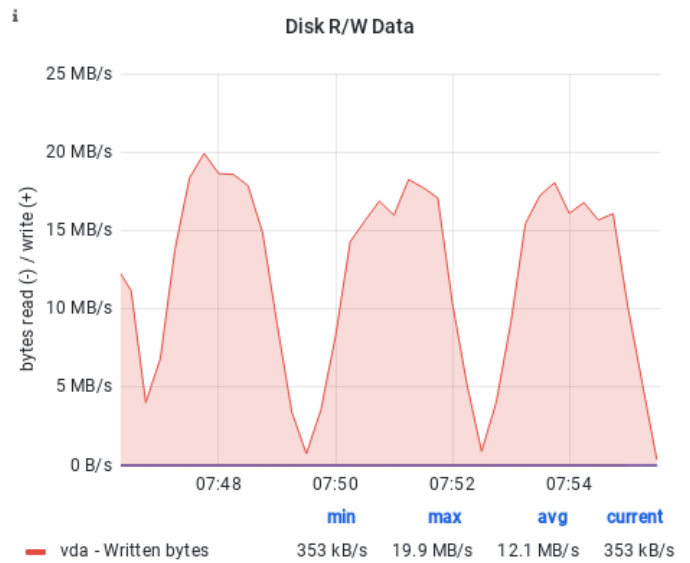
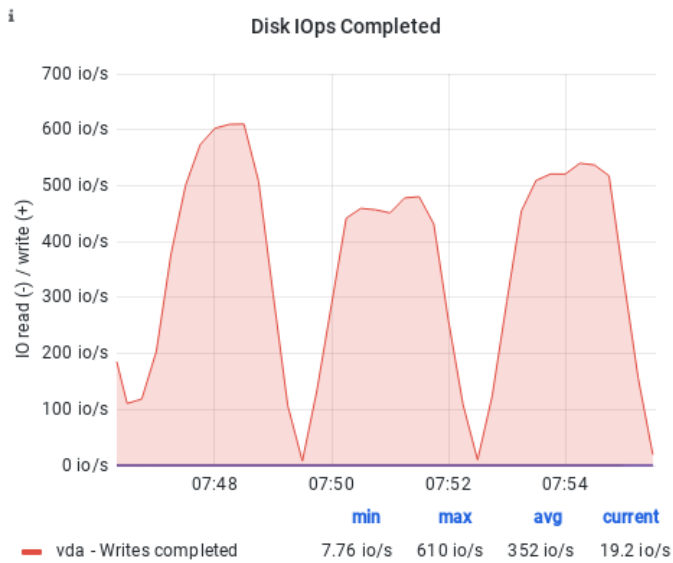


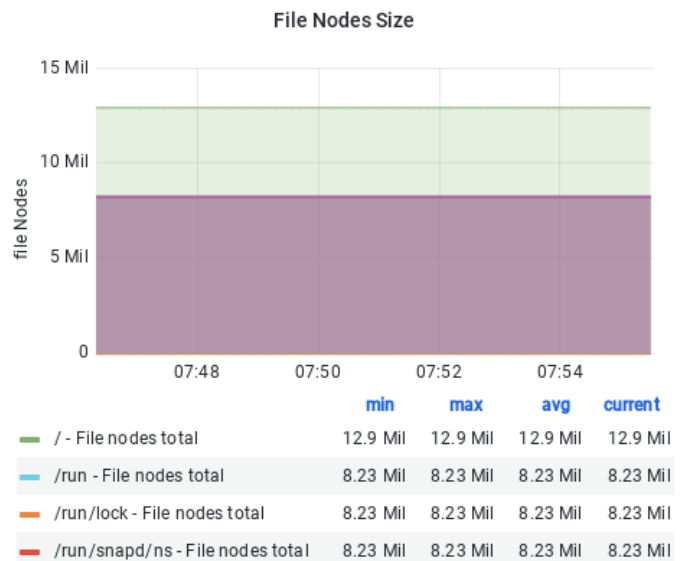
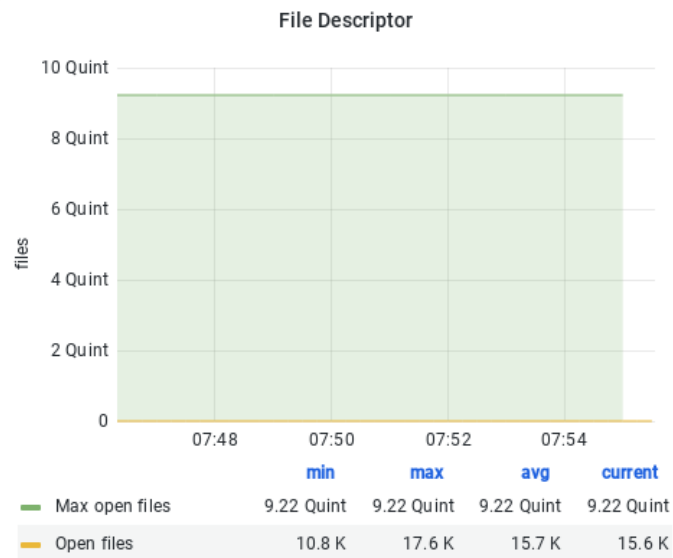
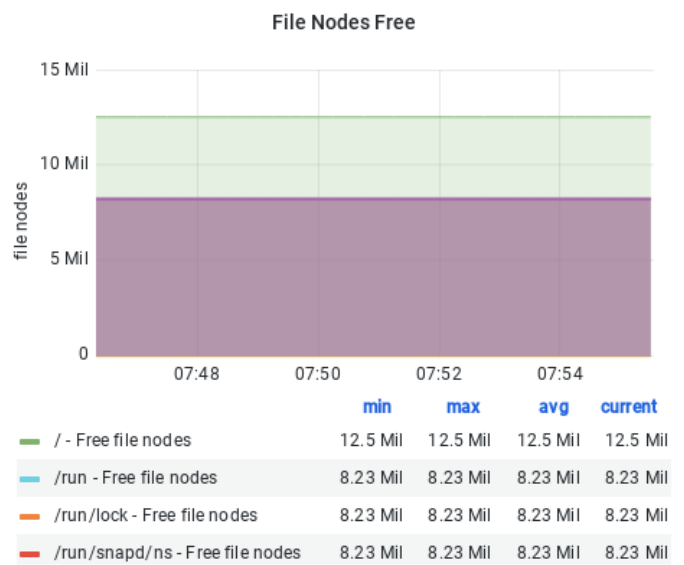
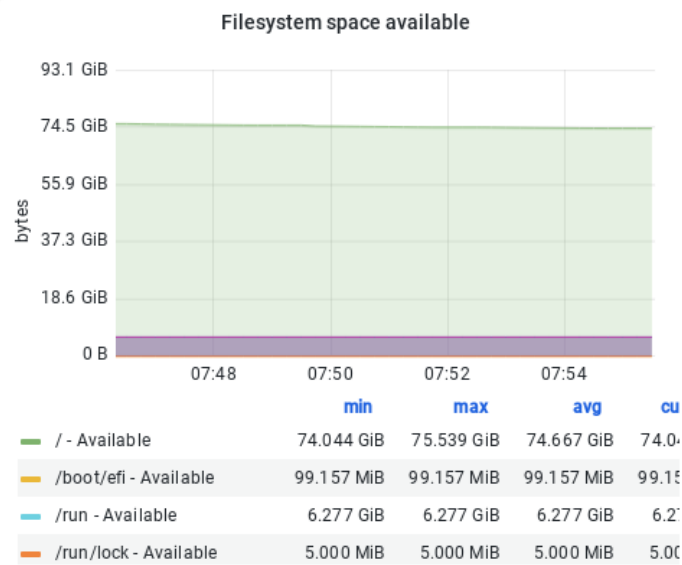
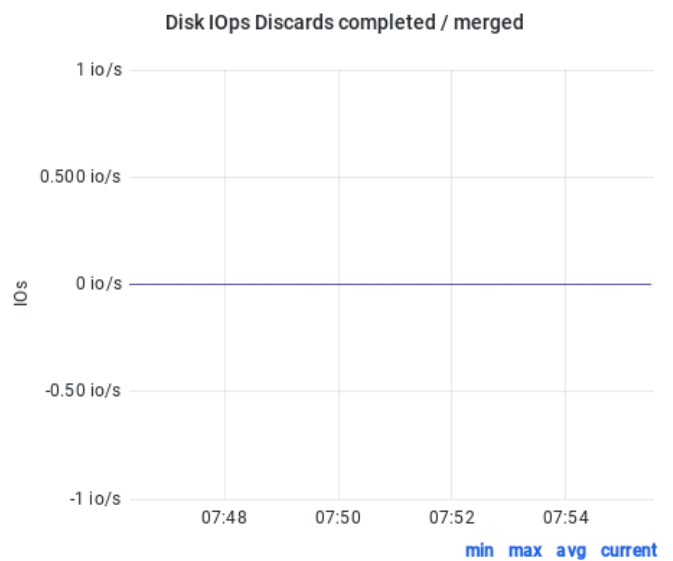
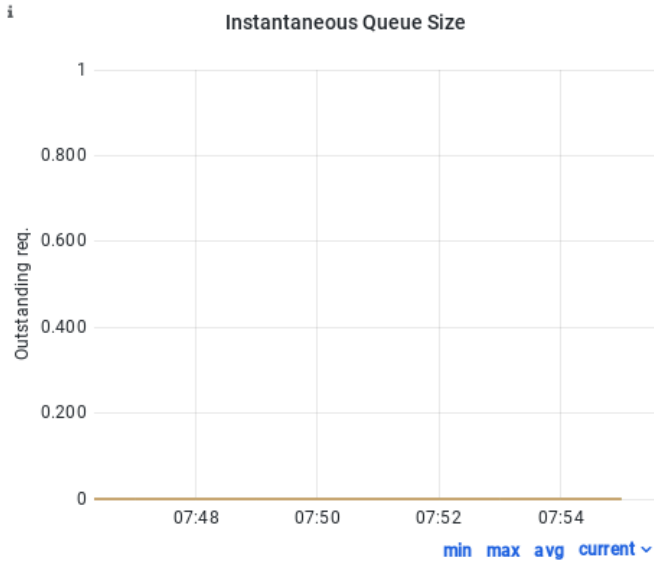
Systemd Sockets



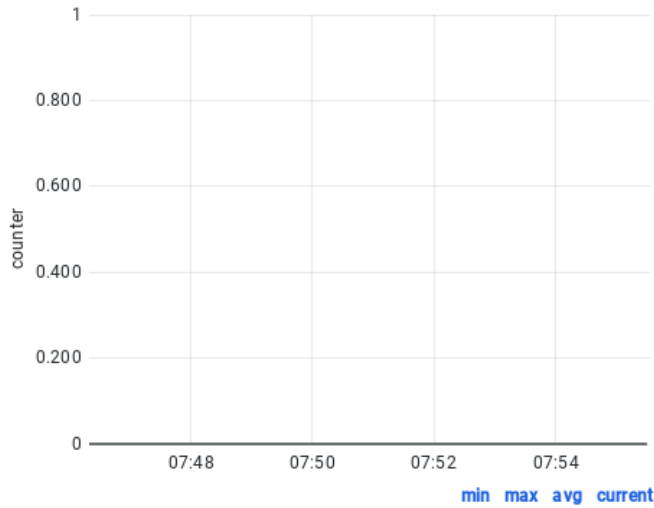
Systemd Units State



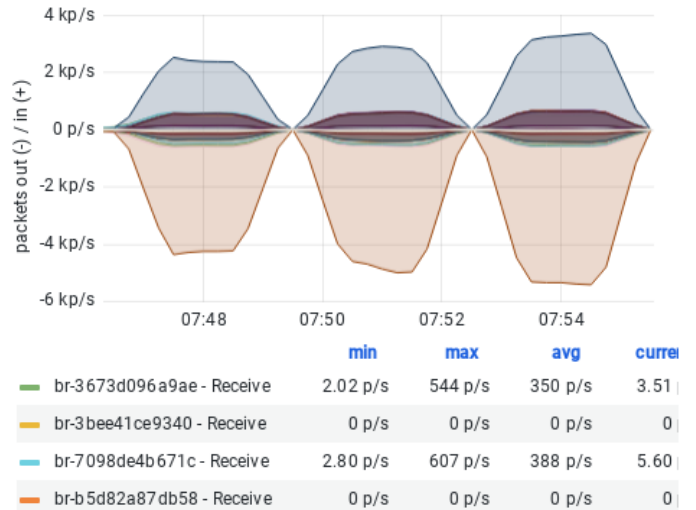




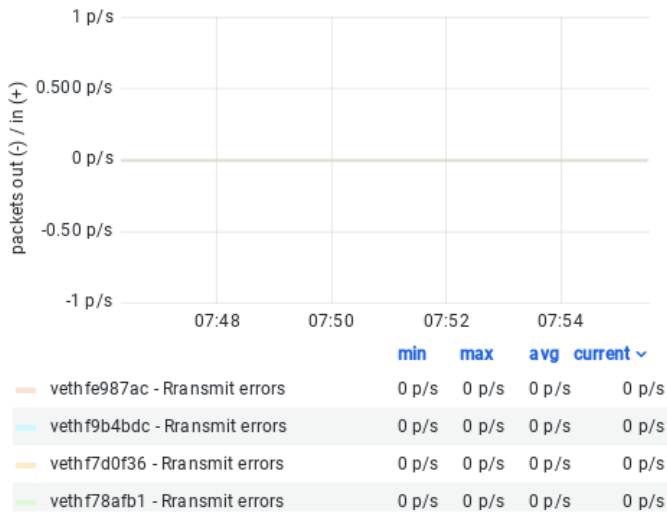
Filesystem in ReadOnly / Error



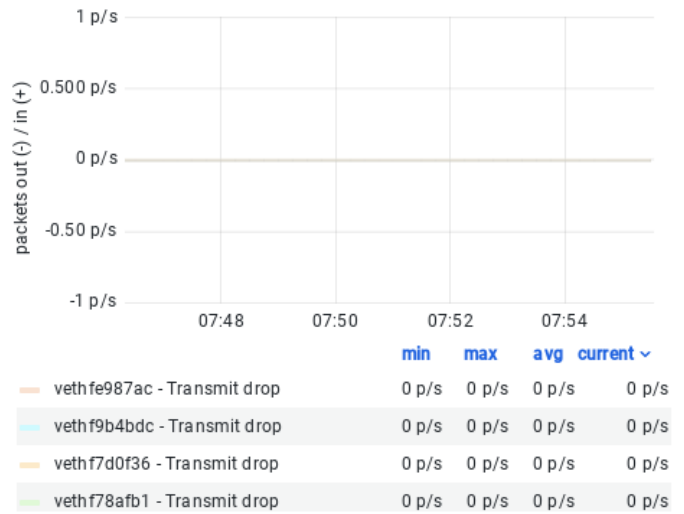
Network Traffic by Packets



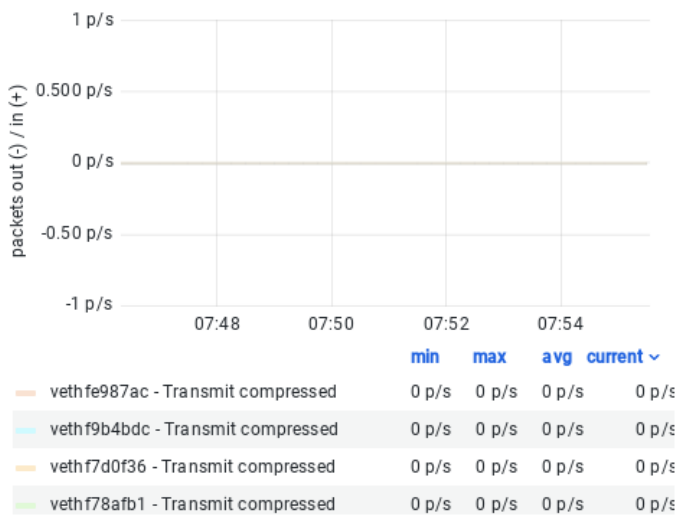
Network Traffic Errors



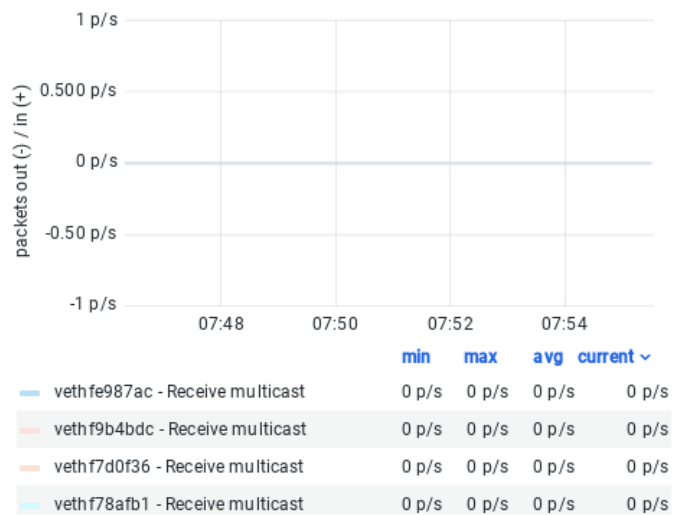
Network Traffic Drop



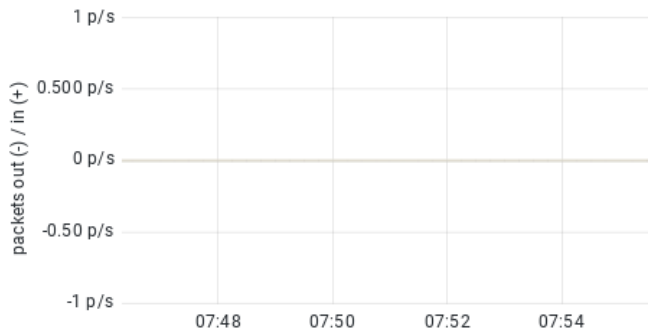
Network Traffic Compressed



Network Traffic Multicast

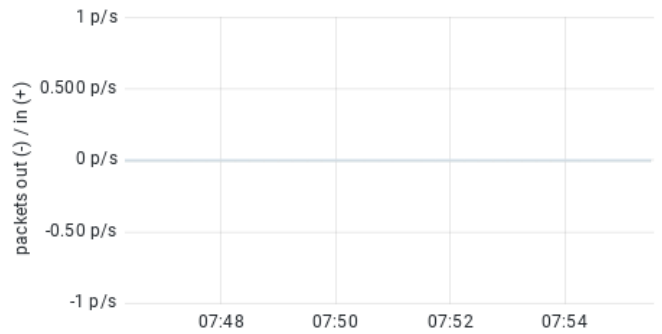


Network Traffic Fifo



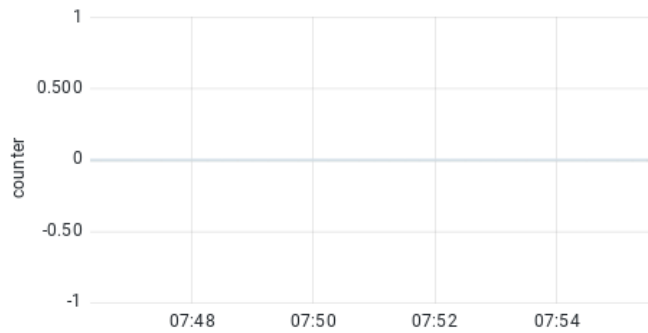
	min	max	avg	current
vethfe987ac - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf9b4bdc - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf7d0f36 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf78afb1 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



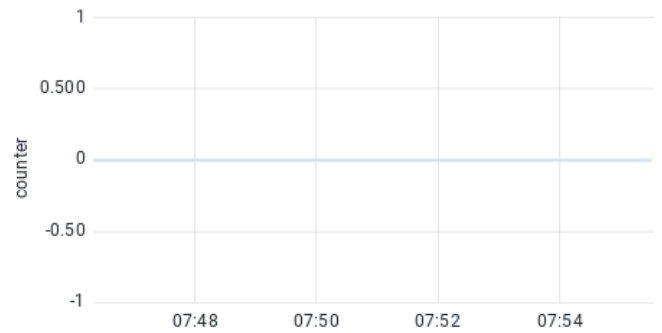
	min	max	avg	current
vethfe987ac - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf9b4bdc - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf7d0f36 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf78afb1 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



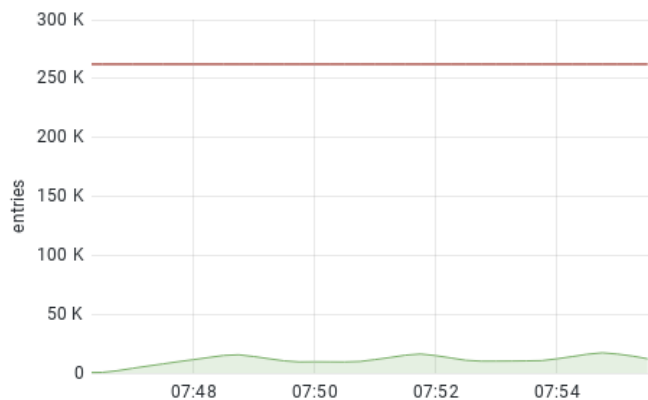
	min	max	avg	current
vethfe987ac - Statistic transmit_carrier	0	0	0	0
vethf9b4bdc - Statistic transmit_carrier	0	0	0	0
vethf7d0f36 - Statistic transmit_carrier	0	0	0	0
vethf78afb1 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



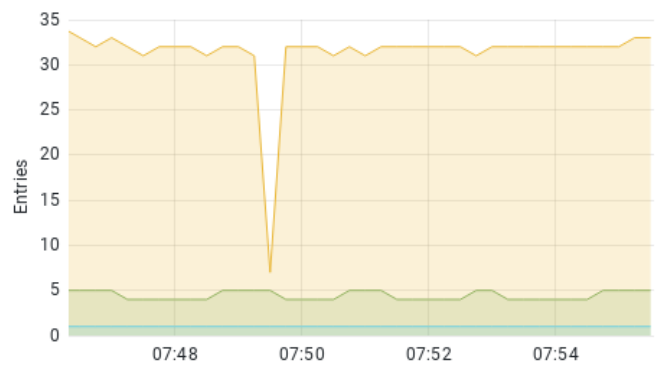
	min	max	avg	current
vethfe987ac - Transmit colls	0	0	0	0
vethf9b4bdc - Transmit colls	0	0	0	0
vethf7d0f36 - Transmit colls	0	0	0	0
vethf78afb1 - Transmit colls	0	0	0	0

NF Contrack



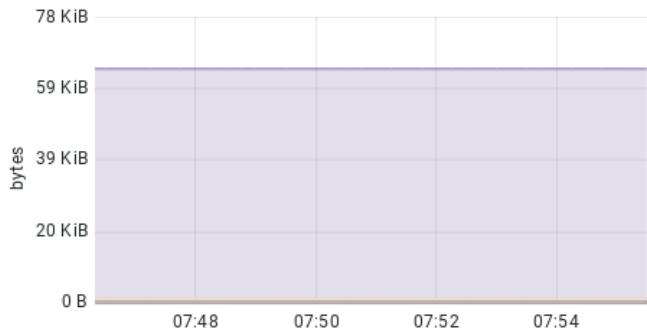
	min	max	avg	current
NF conntrack entries	458	17.2 K	11.0 K	12.1 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



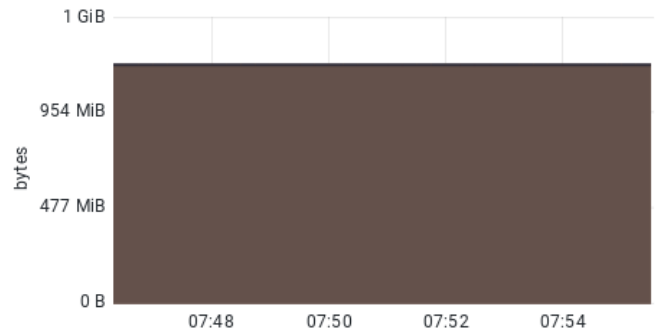
	min	max	avg	current
br-3673d096a9ae - ARP entries	4	5	4.45	5
br-7098de4b671c - ARP entries	7	34	31.3	33
ens3 - ARP entries	1	1	1	1

MTU



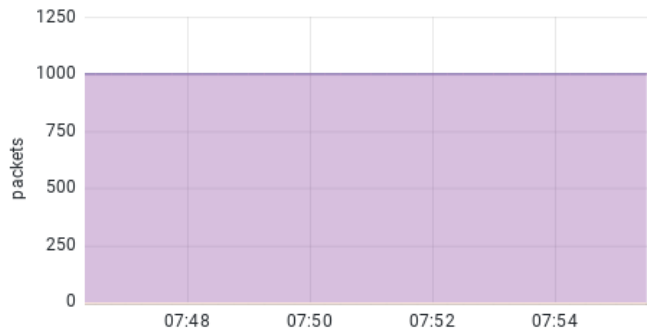
	min	max	avg	current
br-3673d096a9ae - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-3bee41ce9340 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7098de4b671c - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-b5d82a87db58 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



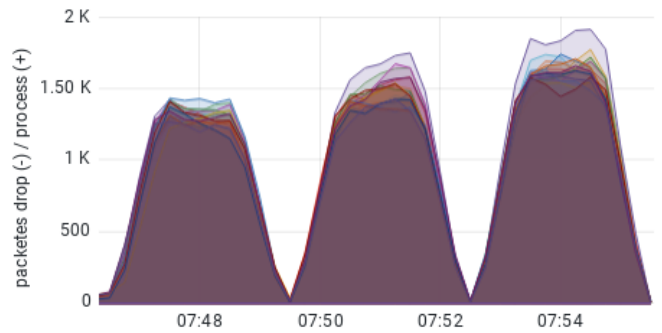
	min	max	avg	current
ens3 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
veth098a5b7 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth0b1ad9f - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth129dadd - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB

Queue Length



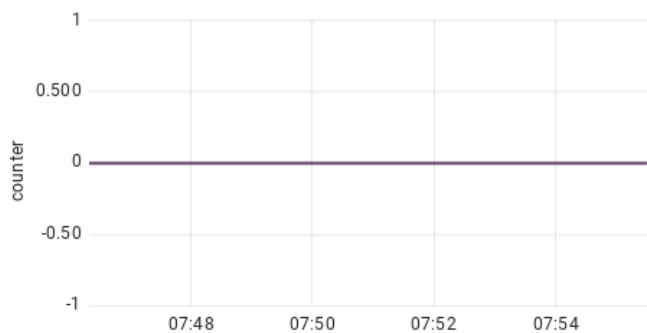
	min	max	a
br-3673d096a9ae - Interface transmit queue length	0	0	
br-3bee41ce9340 - Interface transmit queue length	0	0	
br-7098de4b671c - Interface transmit queue length	0	0	
br-b5d82a87db58 - Interface transmit queue length	0	0	

Softnet Packets



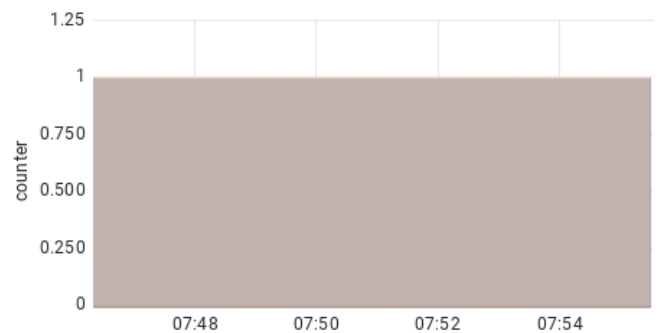
	min	max	avg	current
CPU 4 - Processed	14.8	1.63 K	952	19.6
CPU 10 - Processed	12.5	1.74 K	953	18.7
CPU 12 - Processed	5.38	1.64 K	974	15.1
CPU 14 - Processed	11.3	1.69 K	987	14.2

Softnet Out of Quota



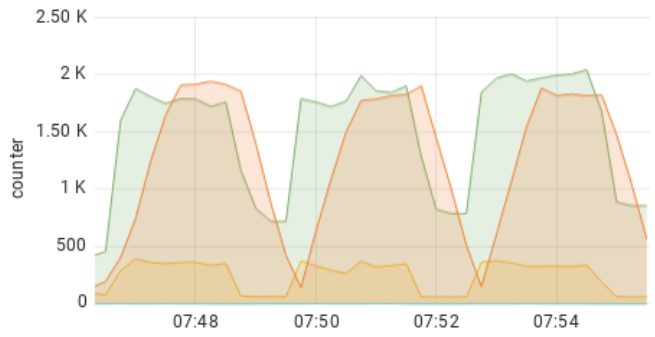
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status



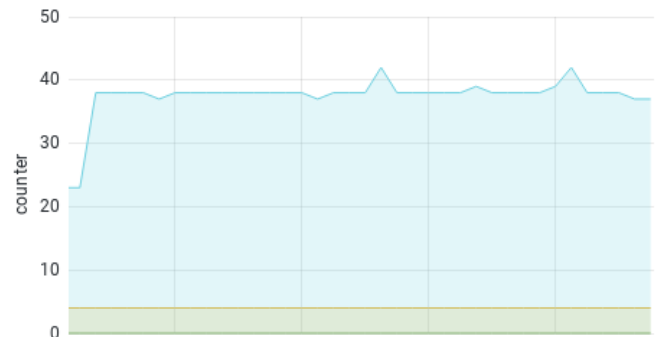
	min	max	avg	current
vethfe987ac - Physical link state	1	1	1	1
vethf9b4bdc - Physical link state	1	1	1	1
vethf7d0f36 - Physical link state	1	1	1	1
vethf78afb1 - Physical link state	1	1	1	1

Sockstat TCP



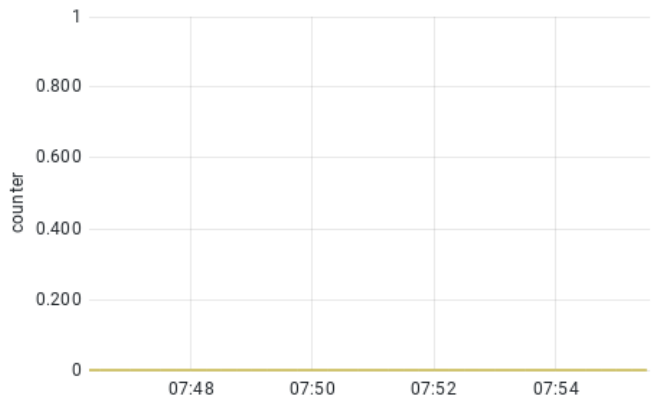
	min	max	avg	current
TCP_alloc - Allocated sockets	414	2.04 K	1.49 K	855
TCP_inuse - Tcp sockets currently in use	62	394	244	62
TCP_orphan - Orphan sockets	0	3	0.789	0
TCP_tw - Sockets waiting close	137	1.94 K	1.25 K	564

Sockstat UDP



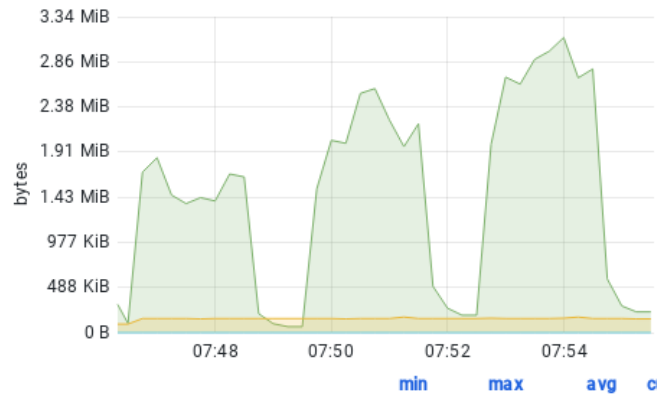
	min	max	avg	current
UDPLITE_inuse - Udp sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	4	4	4	4
UDP_mem - Used memory for udp	23	42	37.4	37

Sockstat FRAG / RAW



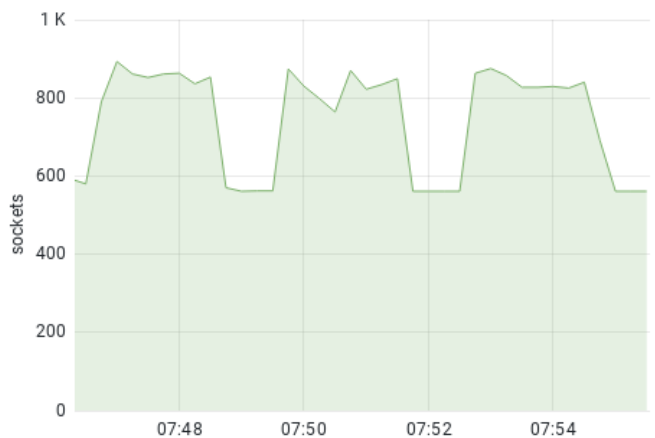
	min	max	avg	current
FRAG_inuse - Frag sockets currently in use	0	0	0	0
RAW_inuse - Raw sockets currently in use	0	0	0	0

Sockstat Memory Size



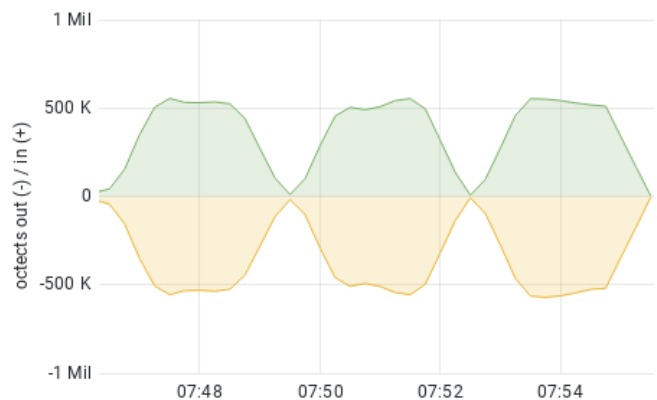
	min	max	avg	current
mem_bytes - TCP sockets in that state	64 KiB	3.12 MiB	1.44 MiB	224
mem_bytes - UDP sockets in that state	92 KiB	168 KiB	149 KiB	149
FRAG_memory - Used memory for frag	0 B	0 B	0 B	0

Sockstat Used



	min	max	avg	current
Sockets_used - Sockets currently in use	561	893	743	561

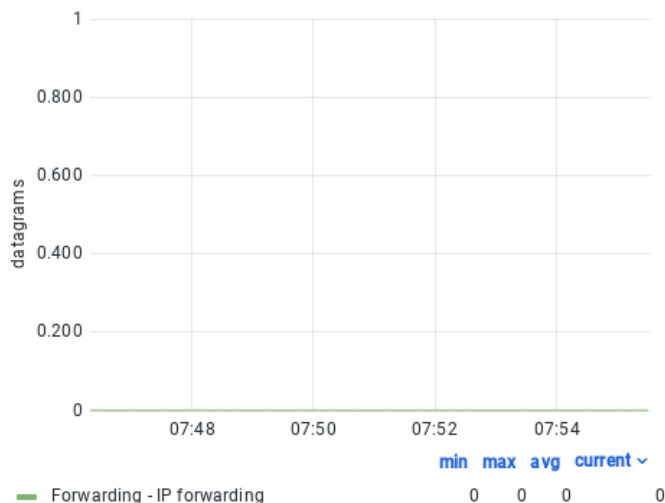
Netstat IP In / Out Octets



	min	max	avg	current
OutOctets - Sent octets	4.22 K	571 K	361 K	4.22 K
InOctets - Received octets	2.38 K	554 K	356 K	2.38 K



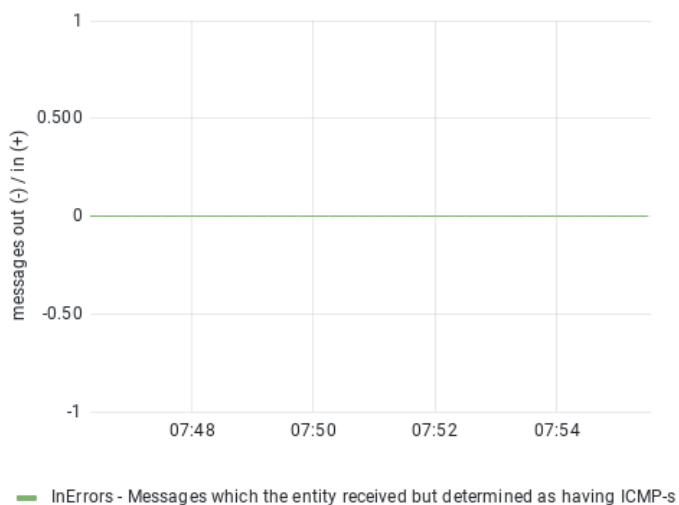
Netstat IP Forwarding



ICMP In / Out



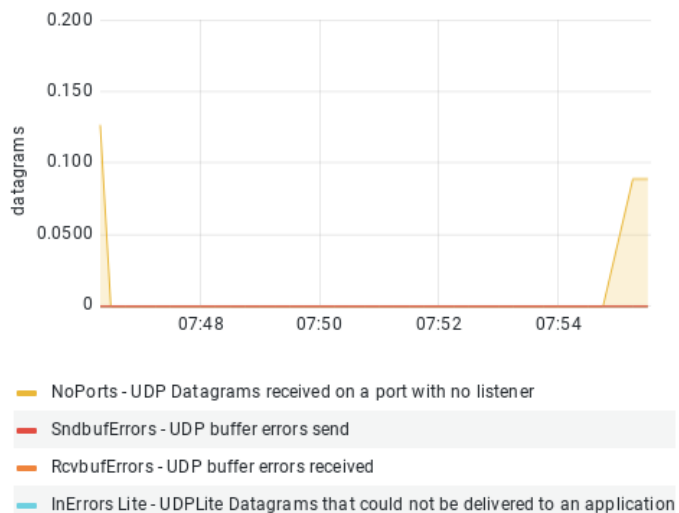
ICMP Errors



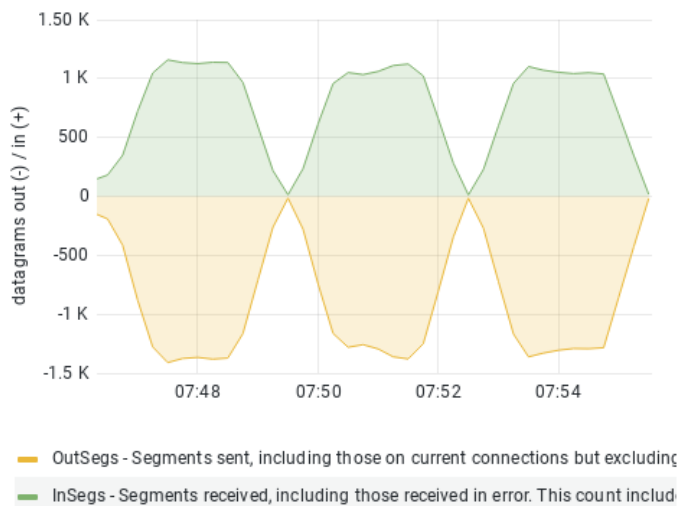
UDP In / Out



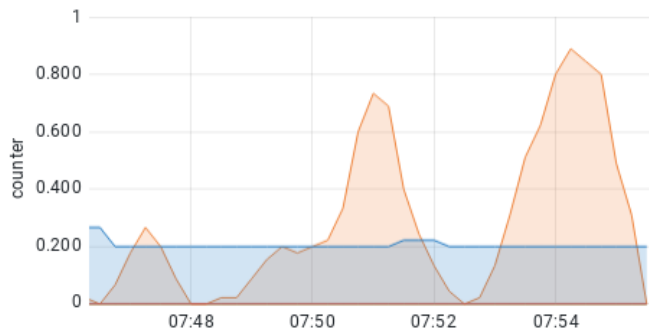
UDP Errors



TCP In / Out

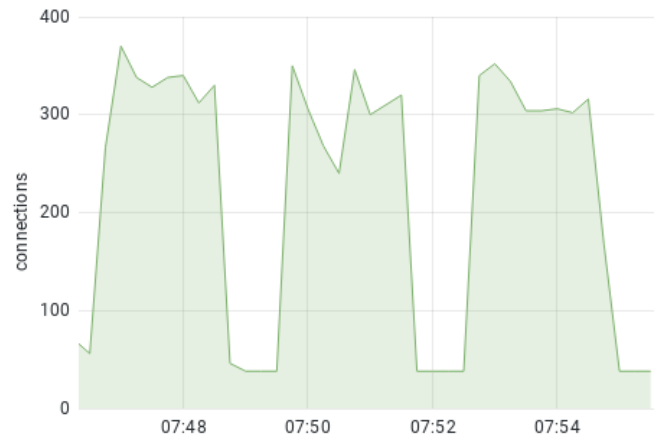


TCP Errors



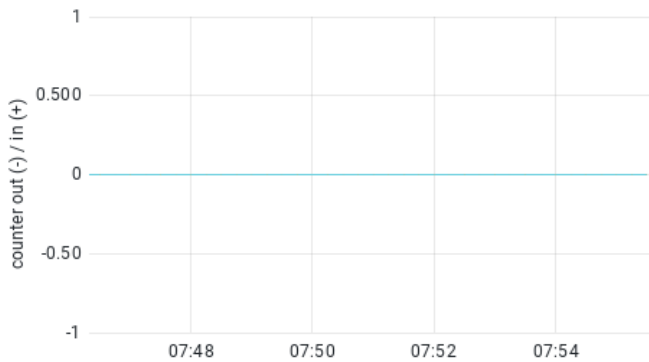
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



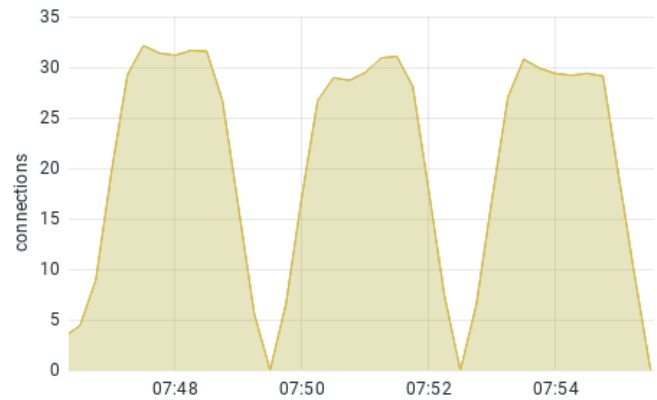
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



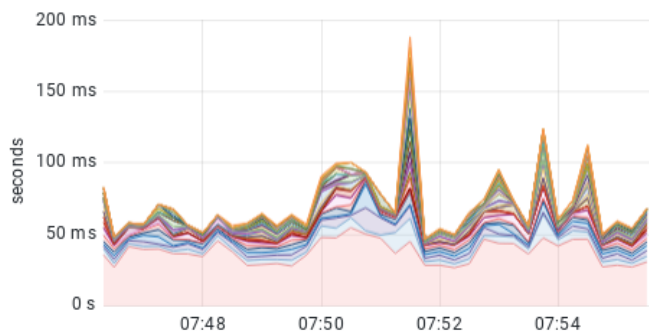
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



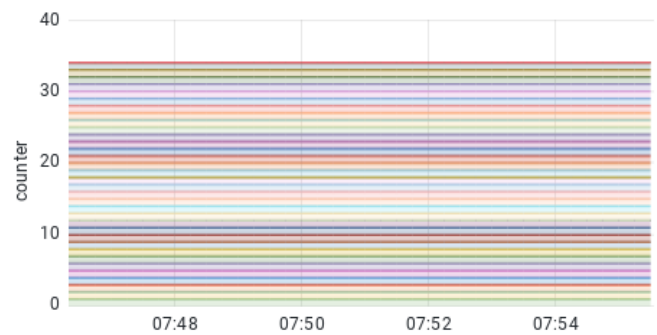
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	27.0 ms	54.9 ms	38.1 ms	31.0
netdev - Scrape duration	1.85 ms	16.4 ms	4.54 ms	3.97
diskstats - Scrape duration	1.15 ms	16.0 ms	3.71 ms	3.91
cpu - Scrape duration	948 μs	16.6 ms	2.75 ms	3.56

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