

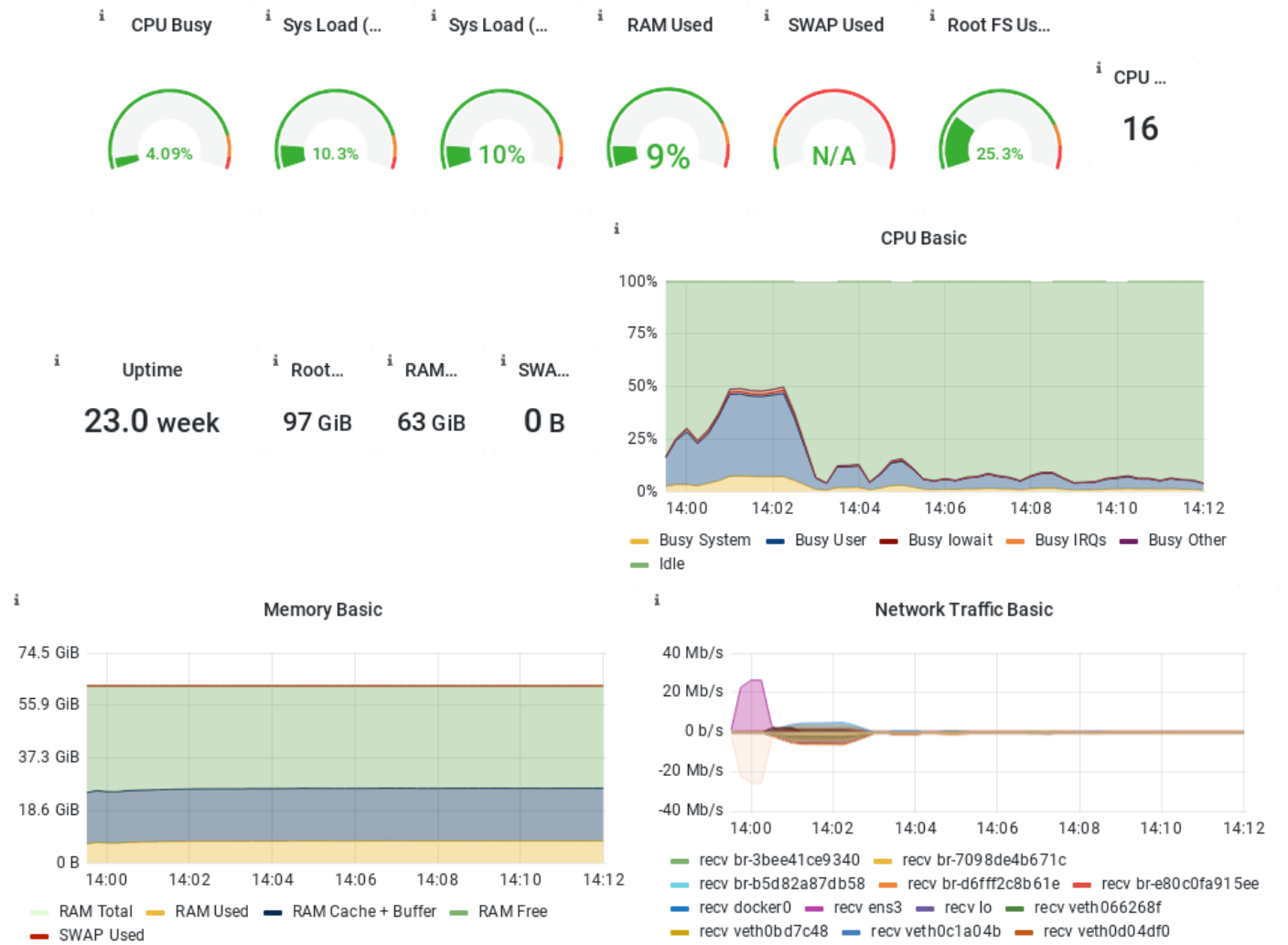
# Host Metrics

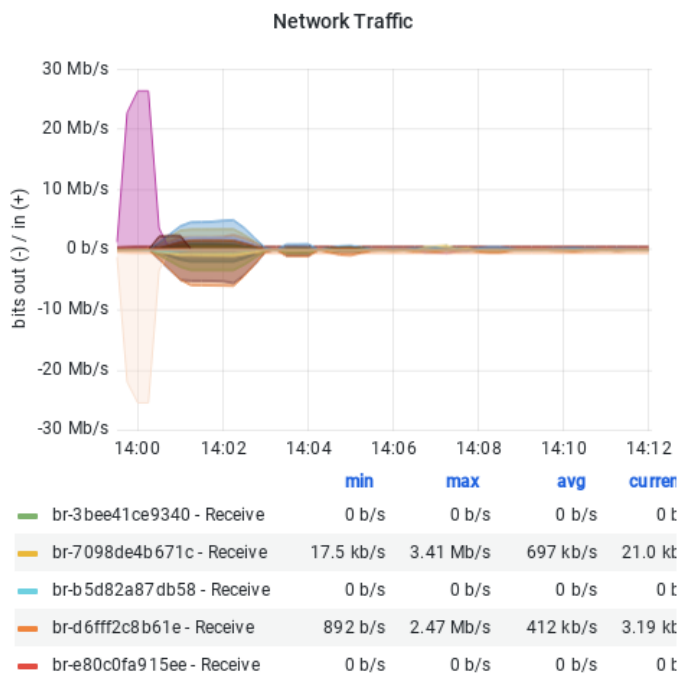
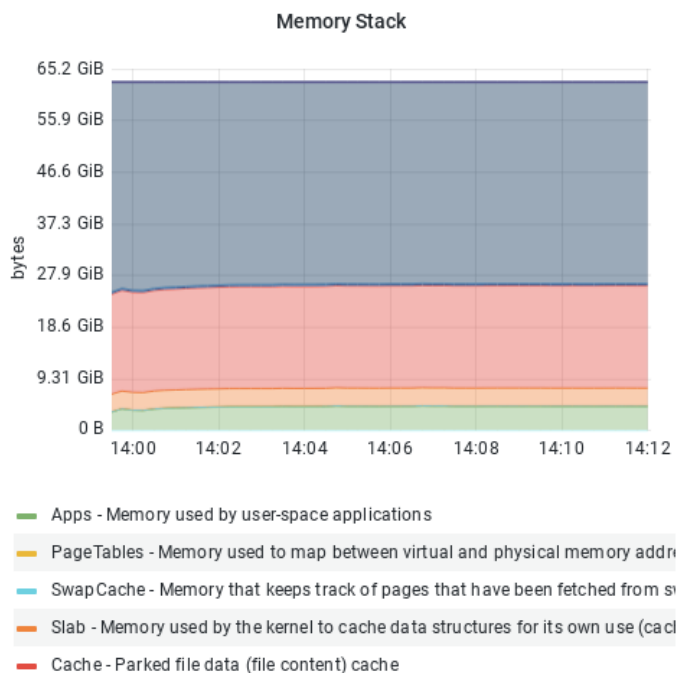
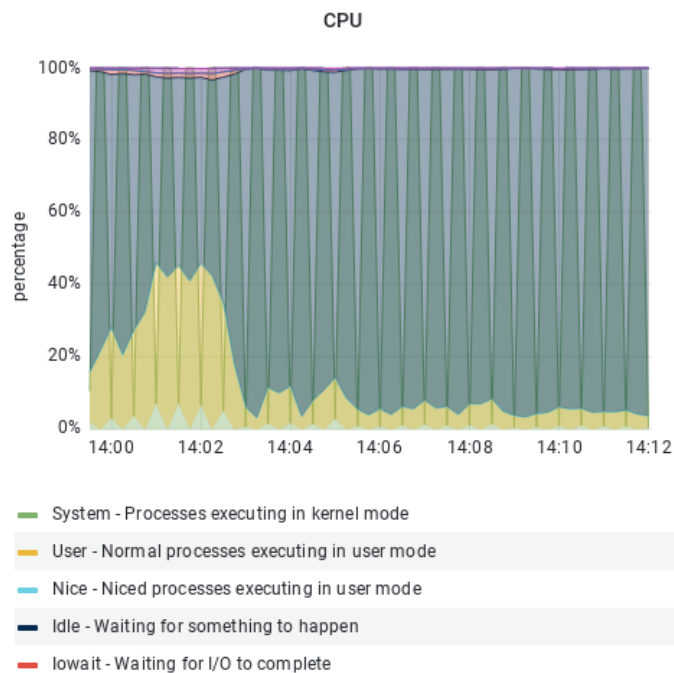
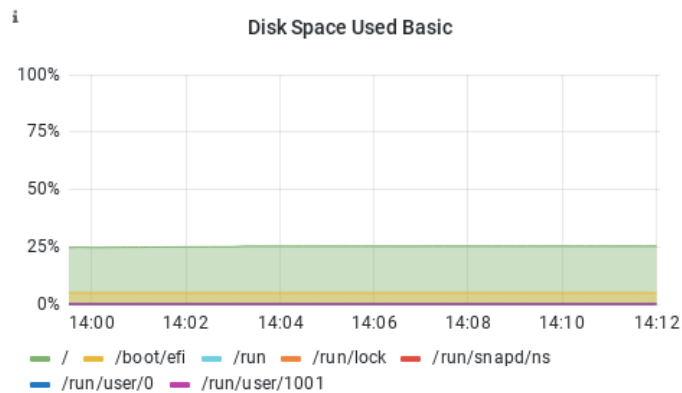
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Tue Mar 22 13:59:30 UTC 2022

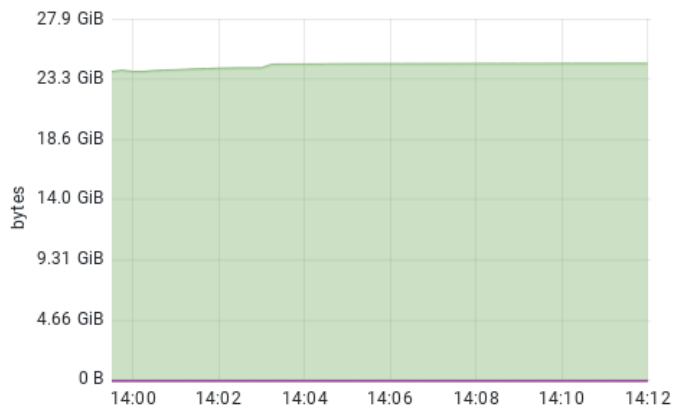
to

Tue Mar 22 14:12:04 UTC 2022



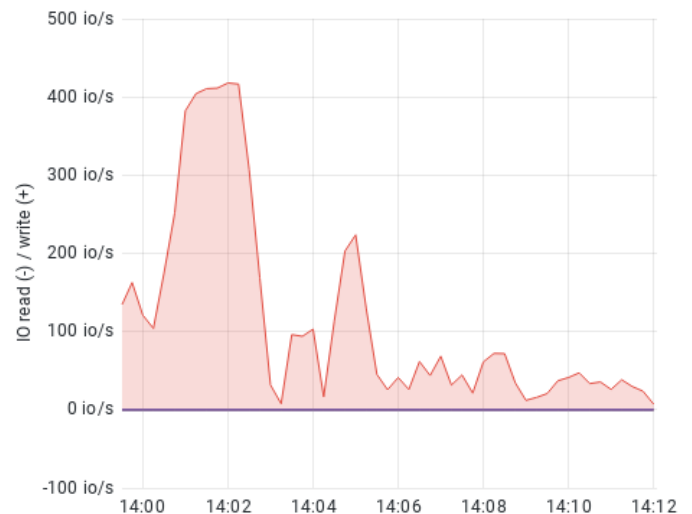


Disk Space Used



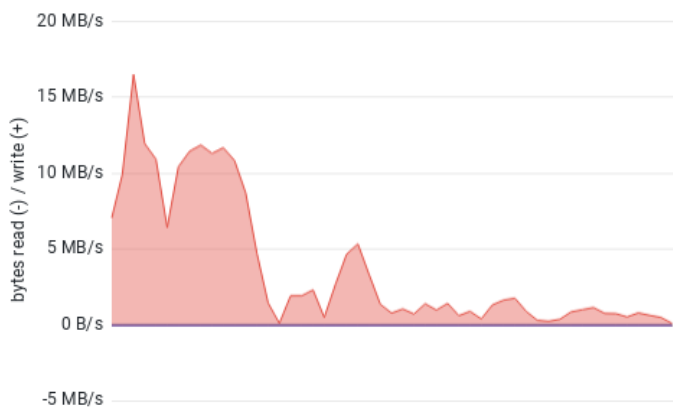
	min	max	avg	current
/run/lock	0 B	0 B	0 B	0 B
/run/user/0	0 B	0 B	0 B	0 B
/run/user/1001	0 B	0 B	0 B	0 B
/run	3.652 MiB	3.719 MiB	3.717 MiB	3.719 MiB
/run/snapd/ns	3.652 MiB	3.719 MiB	3.717 MiB	3.719 MiB

Disk IOps



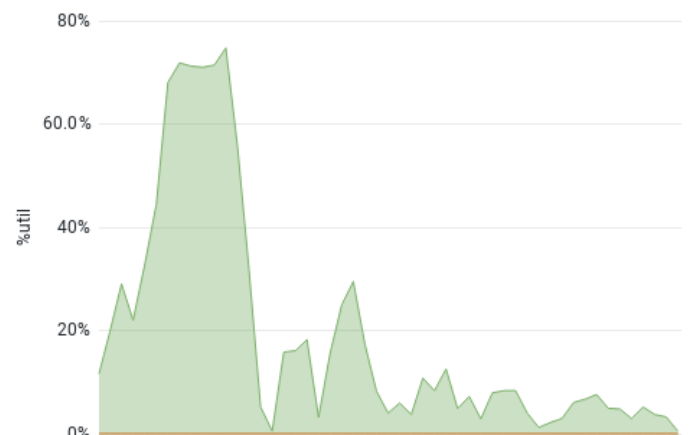
	min	max	avg	current
vda - Reads completed	0 io/s	0.117 io/s	0.0179 io/s	0 io/s
vda - Writes completed	7.13 io/s	418 io/s	116 io/s	7.13 io/s

I/O Usage Read / Write



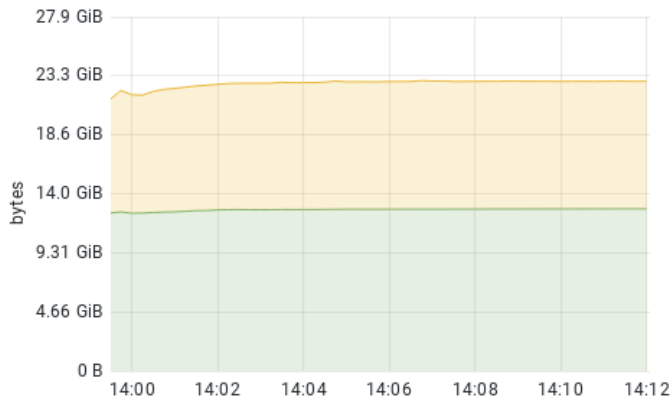
	min	max	avg
vda - Successfully read bytes	0 B/s	3.550 kB/s	251.650 B/s
vdb - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdc - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdd - Successfully read bytes	0 B/s	0 B/s	0 B/s
vda - Successfully written bytes	143.360 kB/s	16.481 MB/s	3.767 MB/s

I/O Utilization



	min	max	avg	current
vda	0.480%	74.747%	19.017%	0.480%
vdb	0%	0%	0%	0%
vdc	0%	0%	0%	0%
vdd	0%	0%	0%	0%

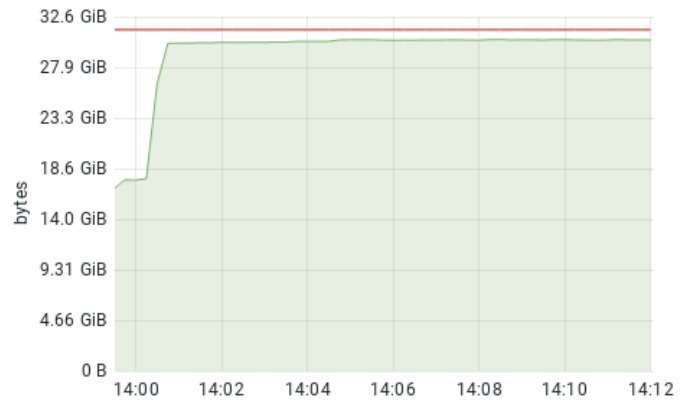
Memory Active / Inactive



— 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

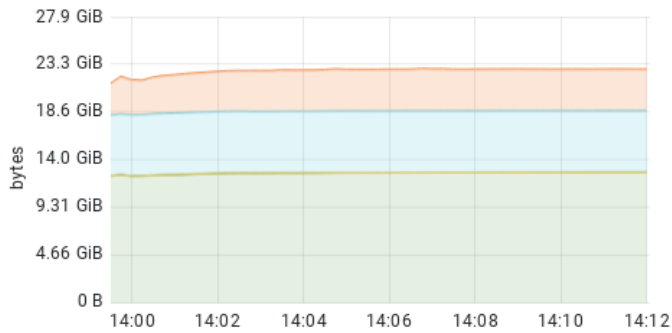
Memory Committed



— 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



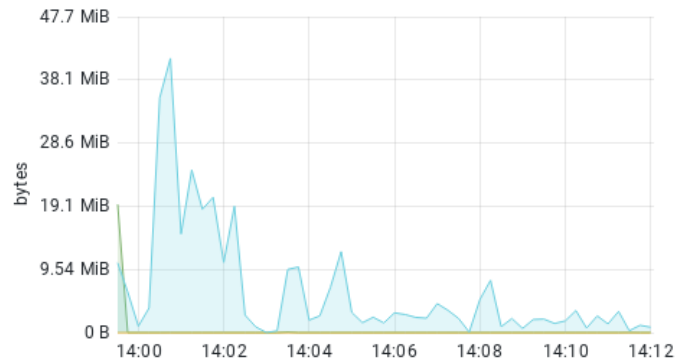
— Inactive\_file - File-backed memory on inactive LRU list

— 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



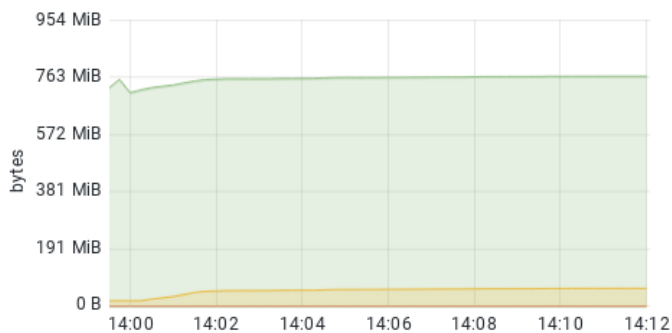
— Writeback - Memory which is actively being written back to disk

— WritebackTmp - Memory used by FUSE for temporary writeback buffers

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

4.00

Memory Shared and Mapped



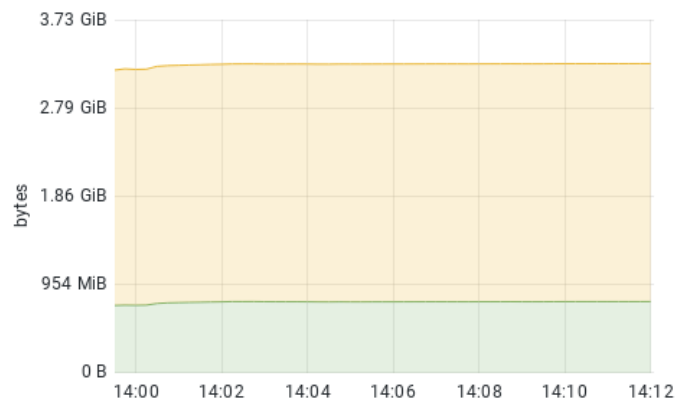
— Mapped - Used memory in mapped pages files which have been mmaped, such

— 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

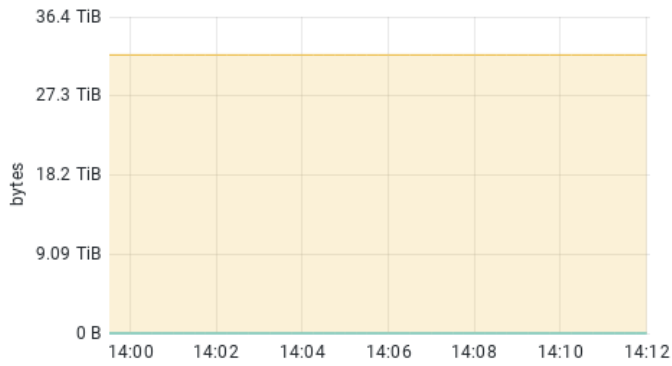


— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure

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

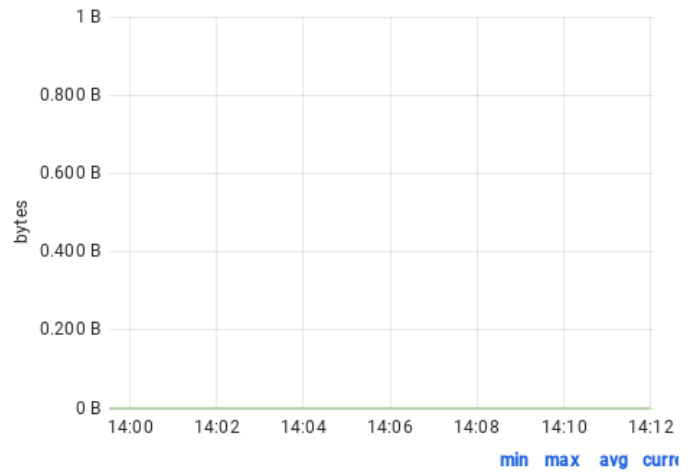
73

Memory Vmalloc



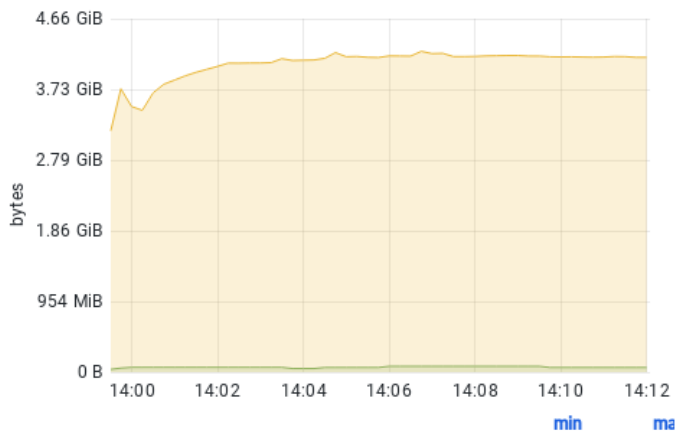
VmallocChunk - Largest contiguous block of vmalloc area which is free	
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	44.9

Memory Bounce



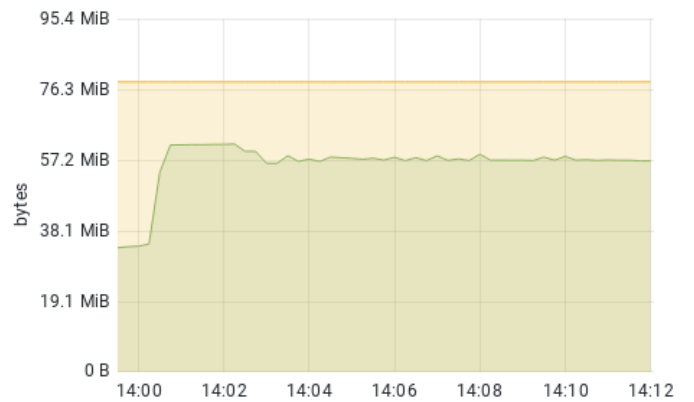
Bounce - Memory used for block device bounce buffers	0 B	0 B	0 B
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Memory Anonymous



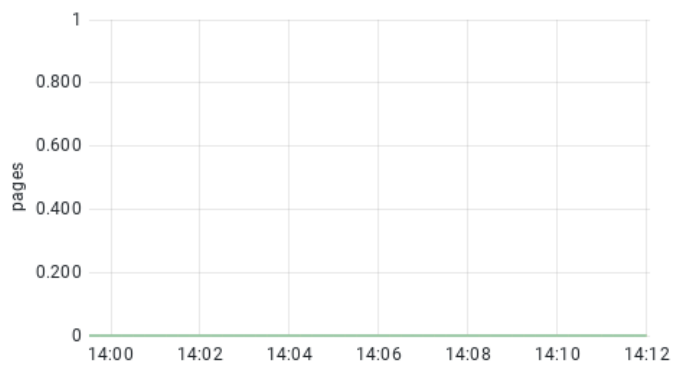
AnonHugePages - Memory in anonymous huge pages	36.00 MiB	78.00 MiB
AnonPages - Memory in user pages not backed by files	3.15 GiB	4.23 GiB

Memory Kernel / CPU



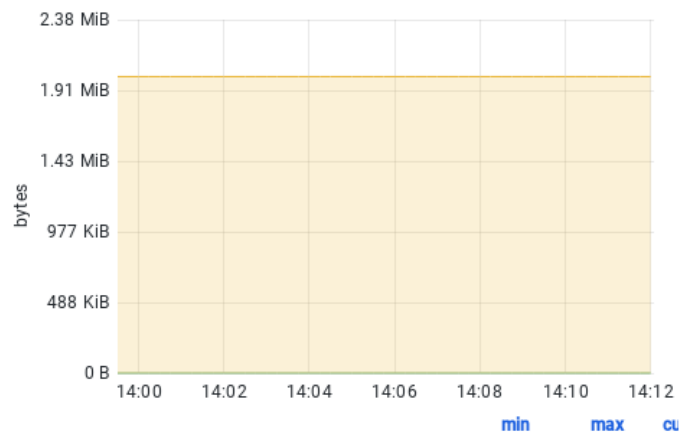
KernelStack - Kernel memory stack. This is not reclaimable	33.5
PerCPU - Per CPU memory allocated dynamically by loadable modules	78.3

Memory HugePages Counter



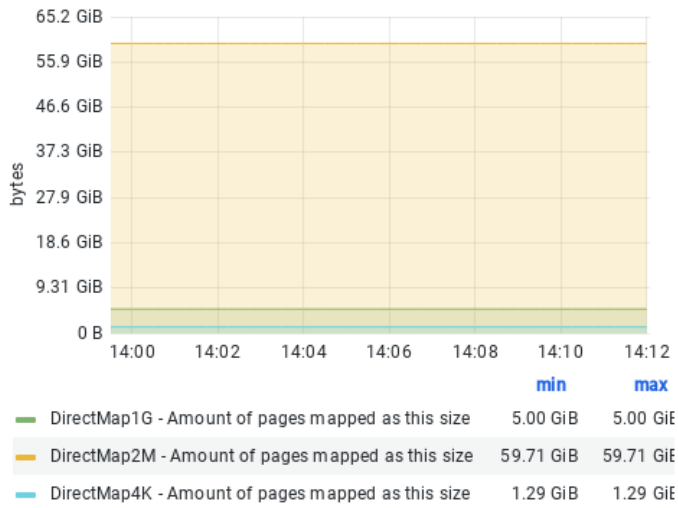
HugePages_Free - Huge pages in the pool that are not yet allocated	
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	

Memory HugePages Size

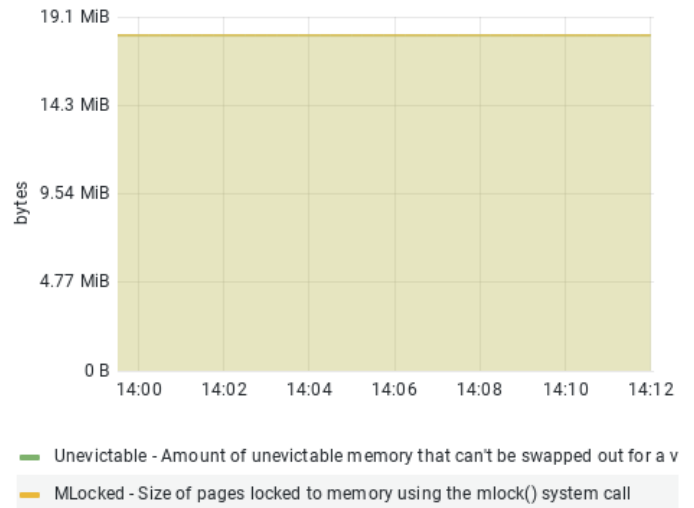


HugePages - Total size of the pool of huge pages	0 B	0 B
Hugepagesize - Huge Page size	2.00 MiB	2.00 MiB

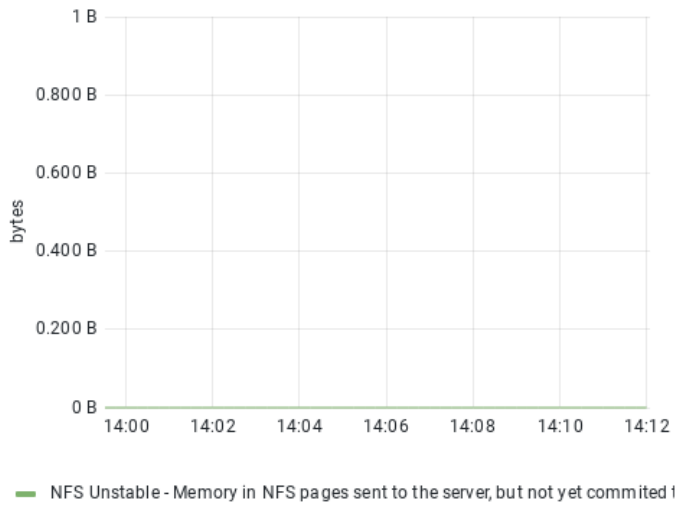
Memory DirectMap



Memory Unevictable and MLocked



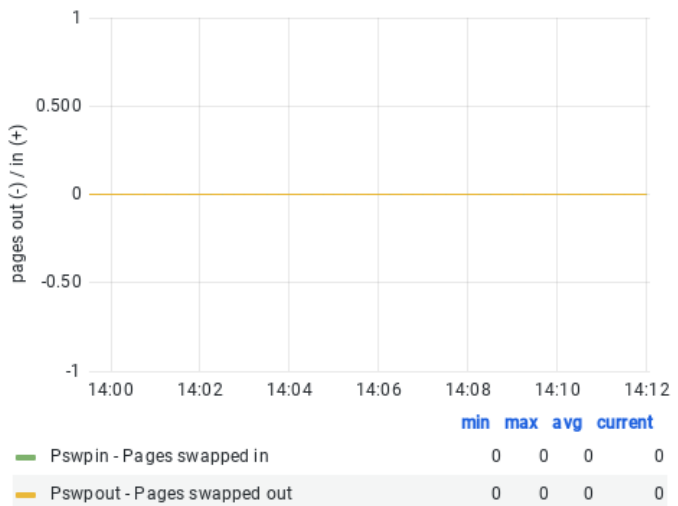
Memory NFS



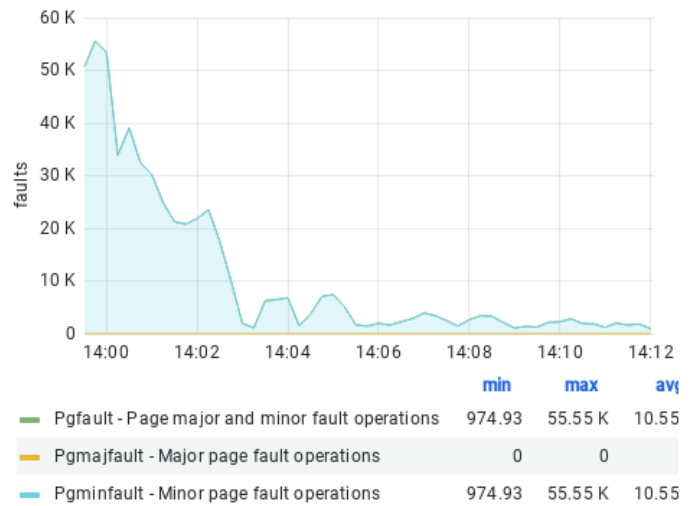
Memory Pages In / Out



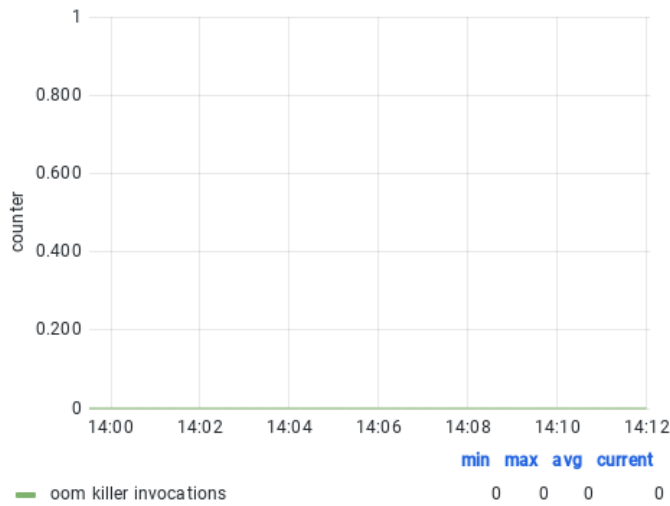
Memory Pages Swap In / Out



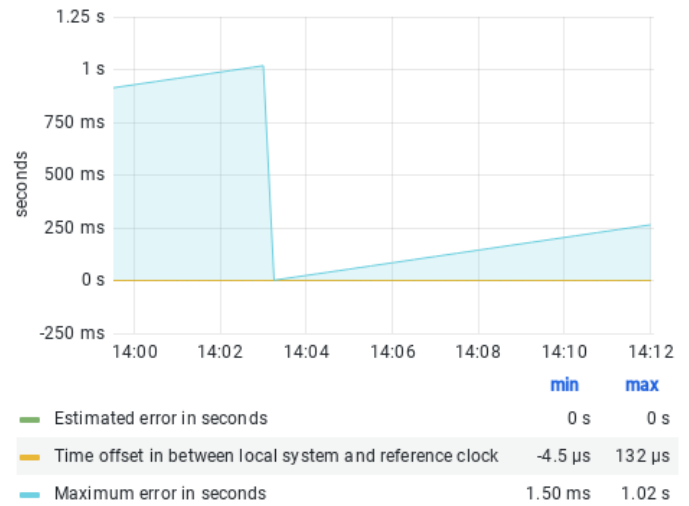
Memory Page Faults



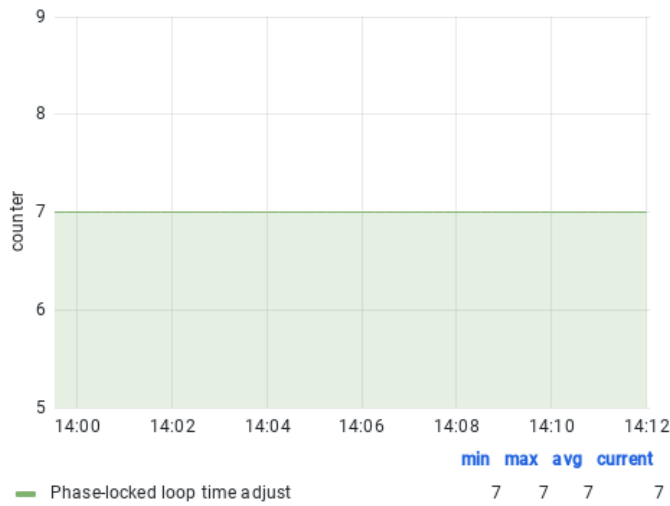
OOM Killer



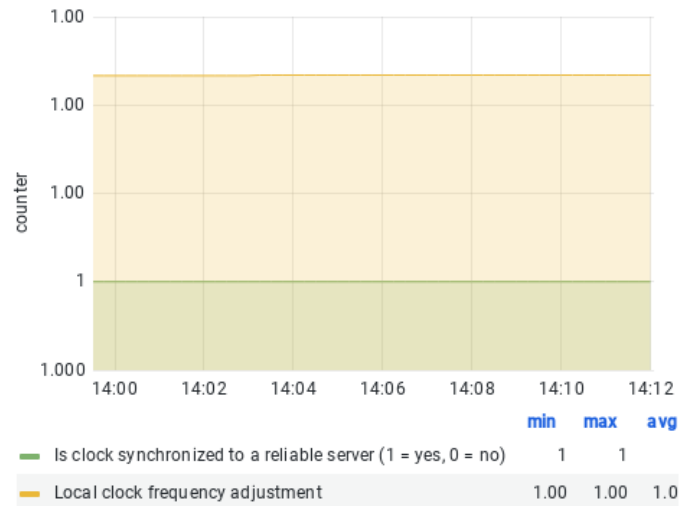
Time Synchronized Drift



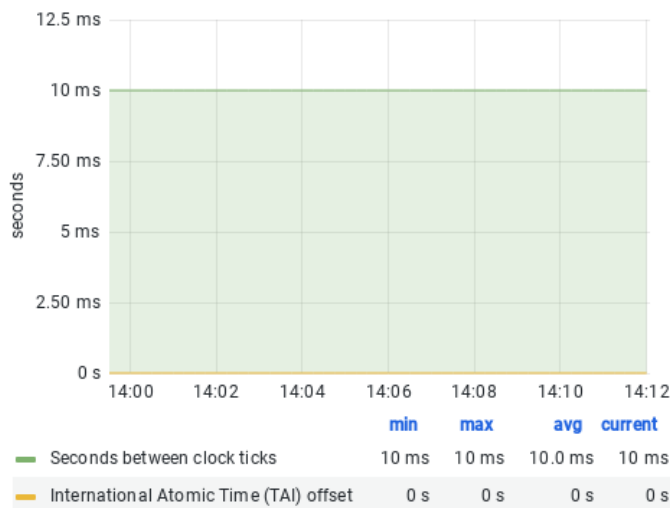
Time PLL Adjust



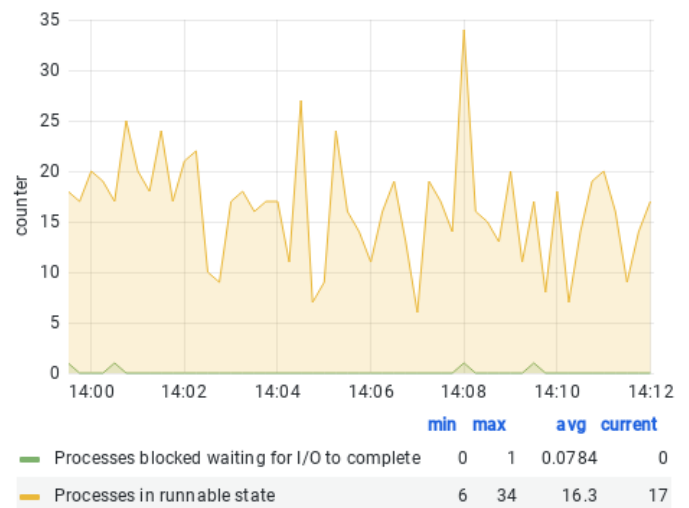
Time Synchronized Status



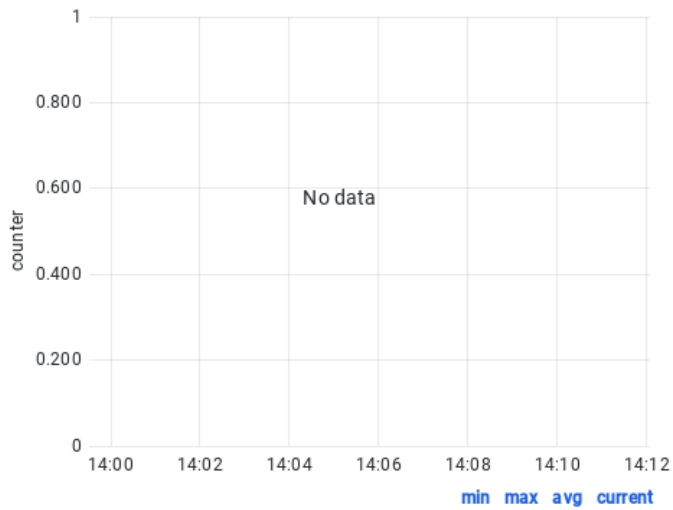
Time Misc



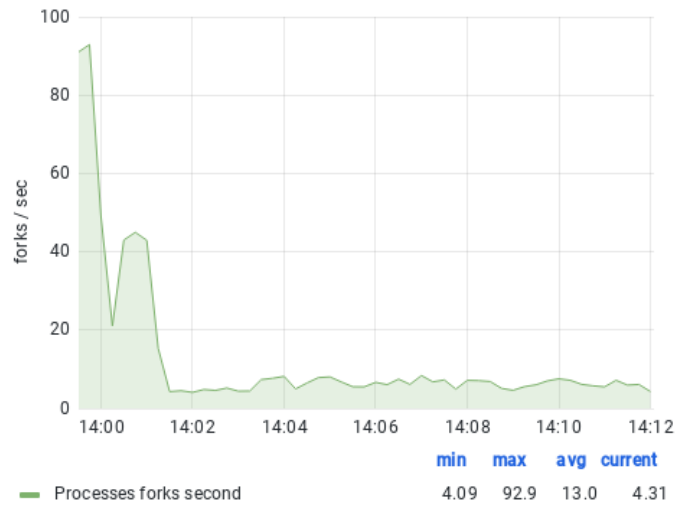
Processes Status



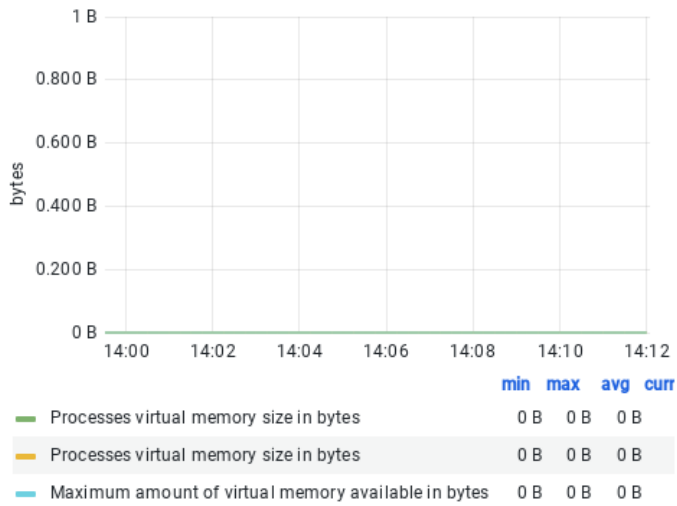
Processes State



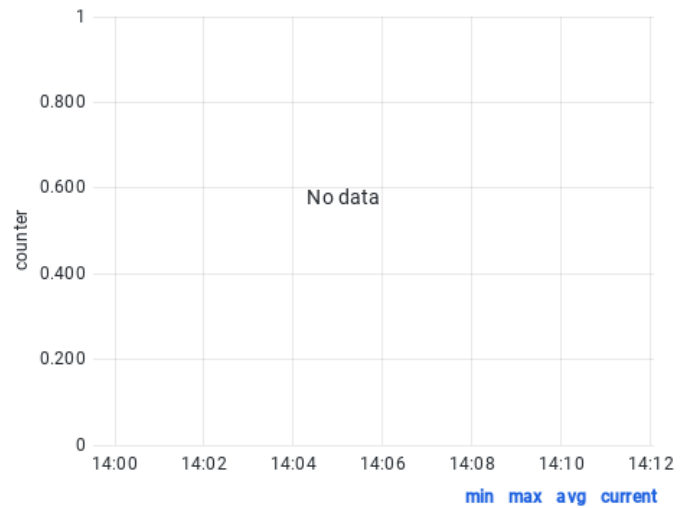
Processes Forks



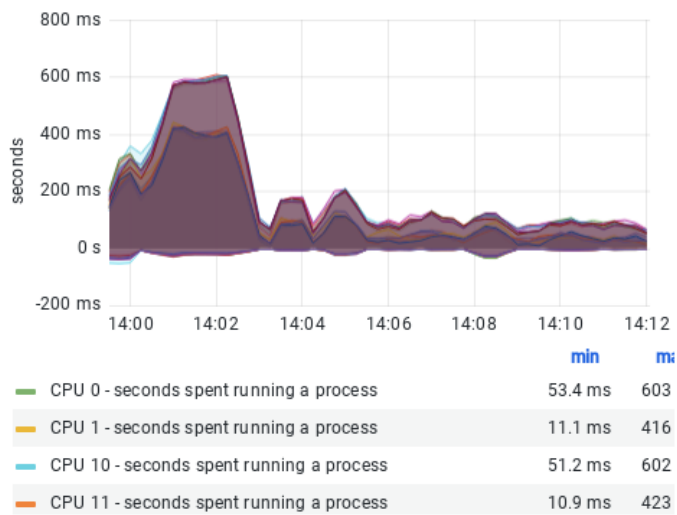
Processes Memory



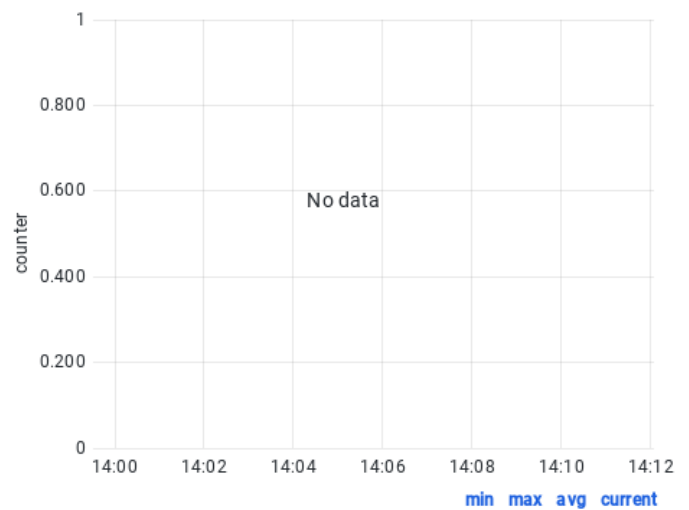
PIDs Number and Limit



Process schedule stats Running / Waiting

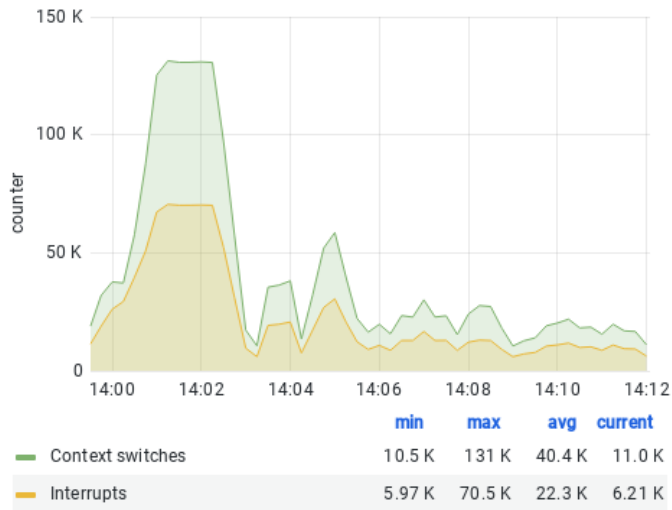


Threads Number and Limit

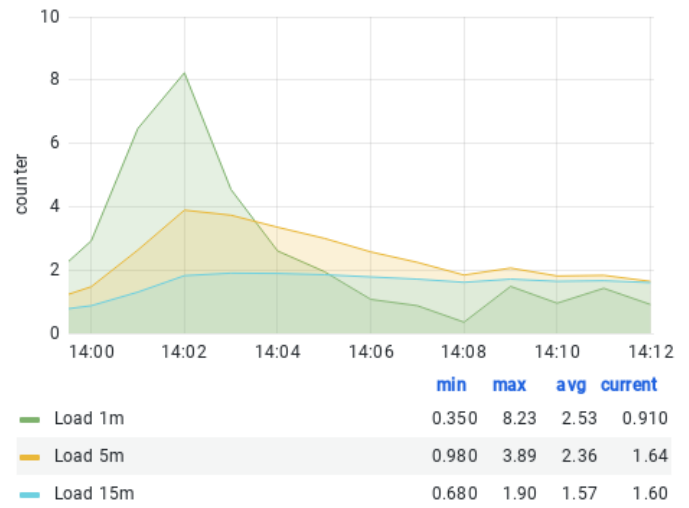




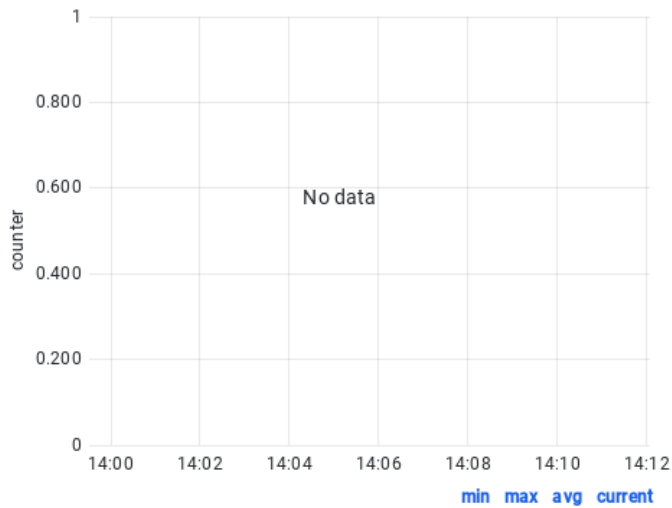
Context Switches / Interrupts



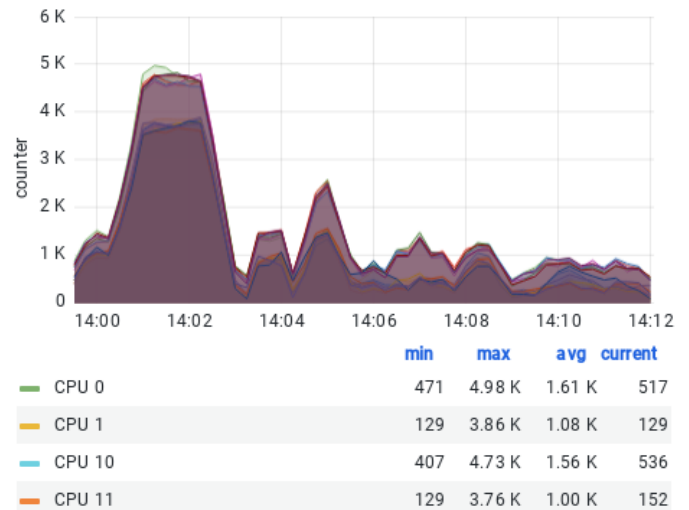
System Load



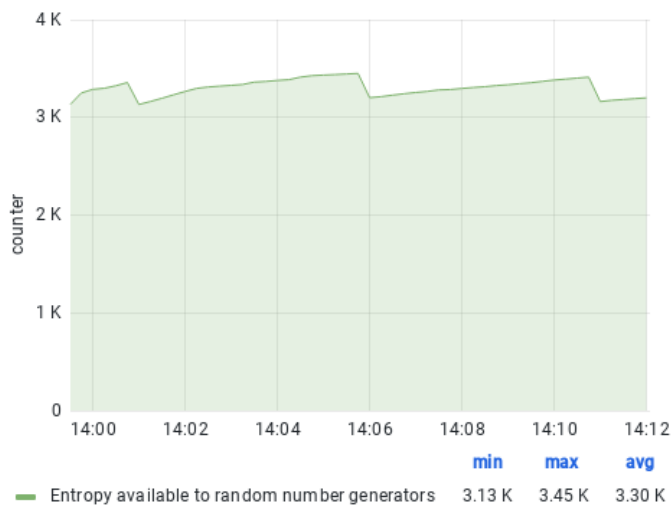
Interrupts Detail



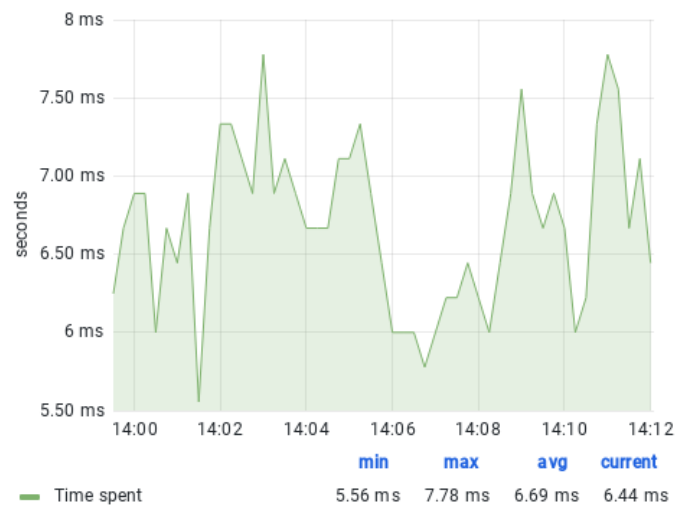
Schedule timeslices executed by each cpu



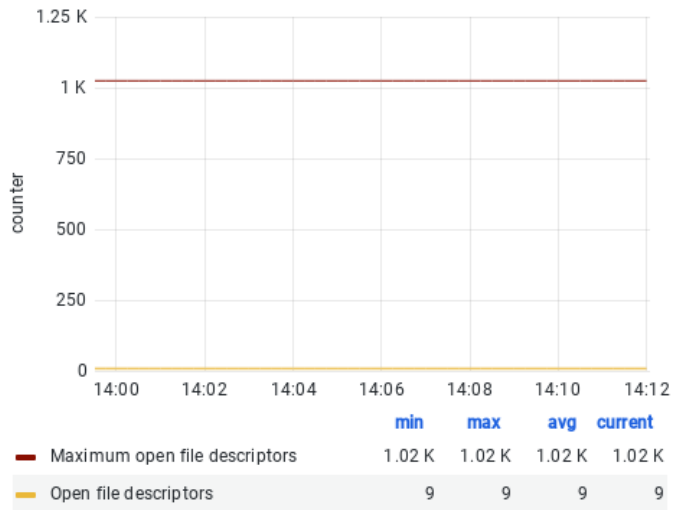
Entropy



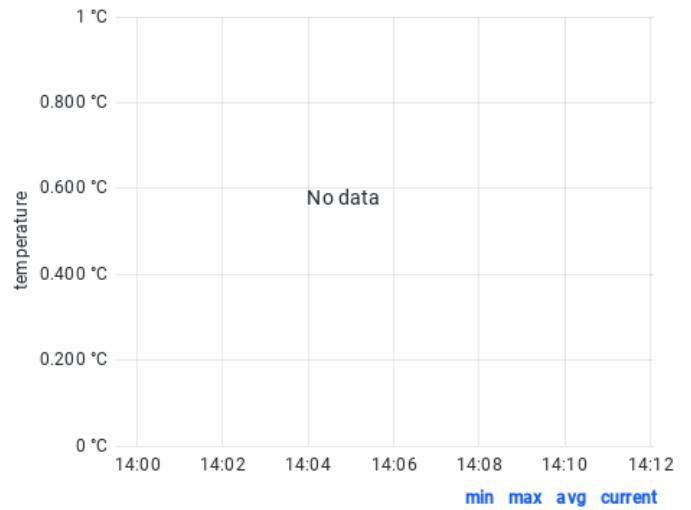
CPU time spent in user and system contexts



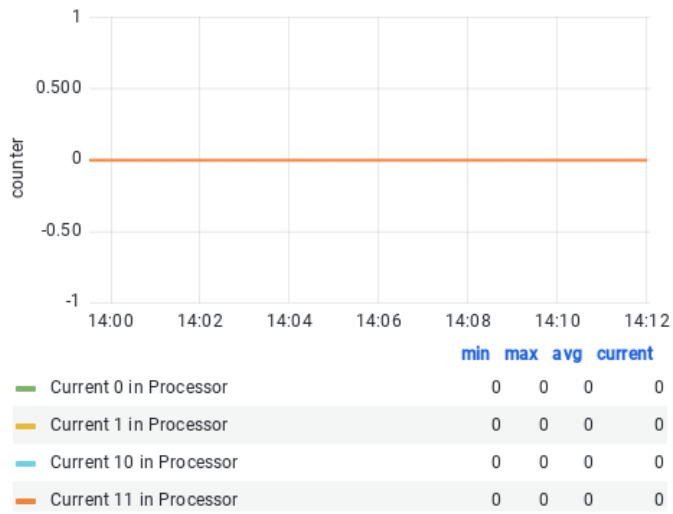
File Descriptors



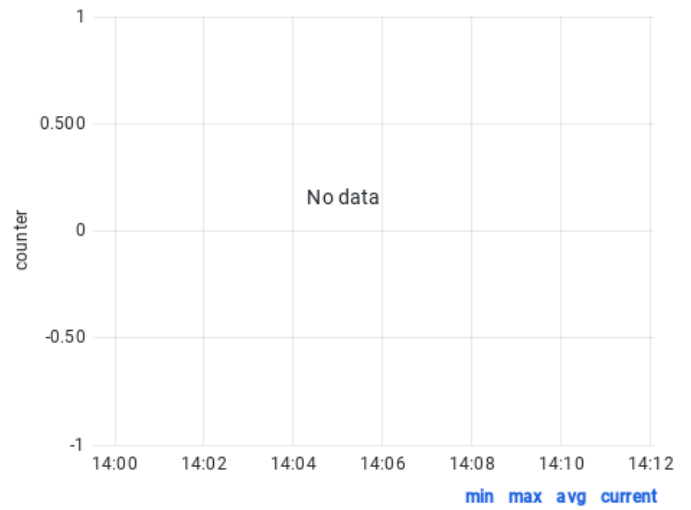
Hardware temperature monitor



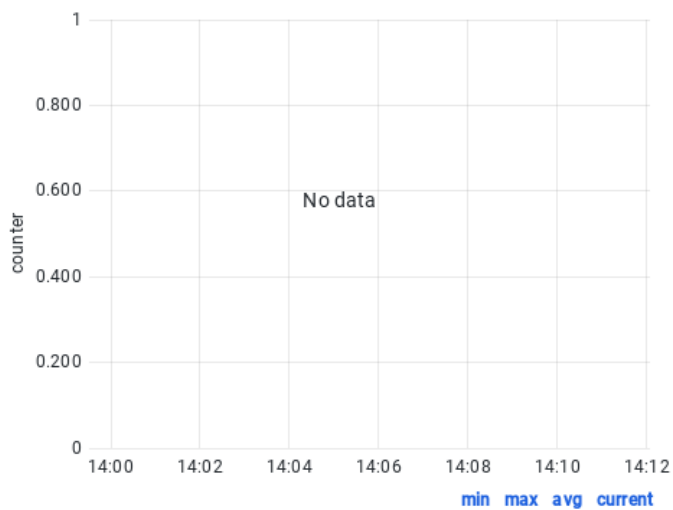
Throttle cooling device



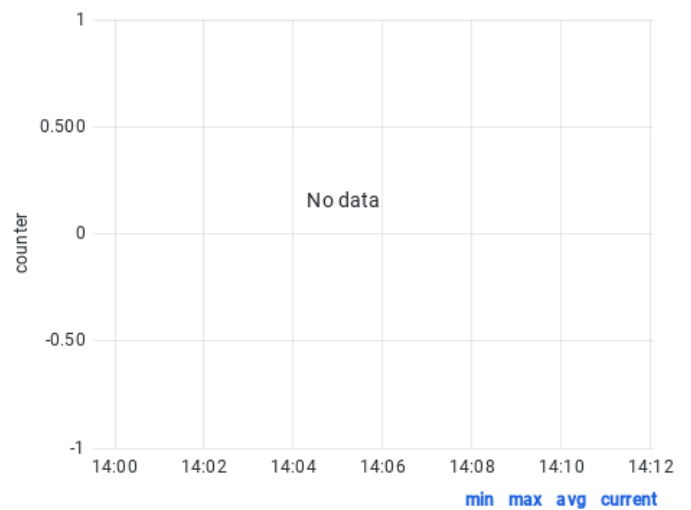
Power supply

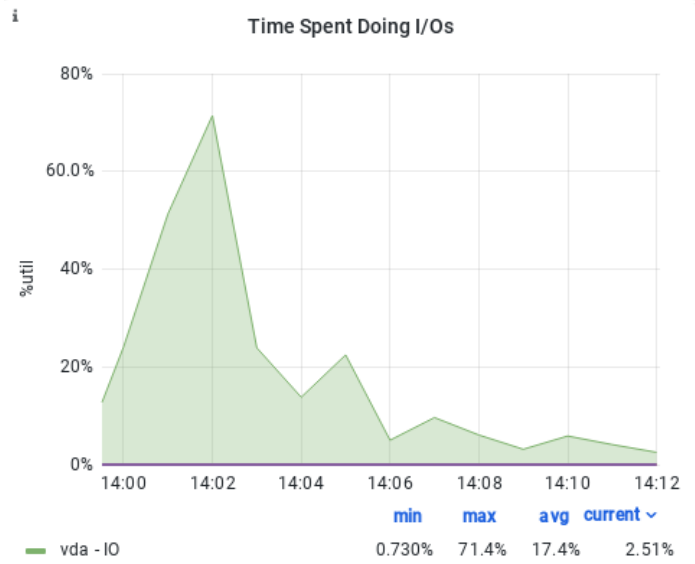
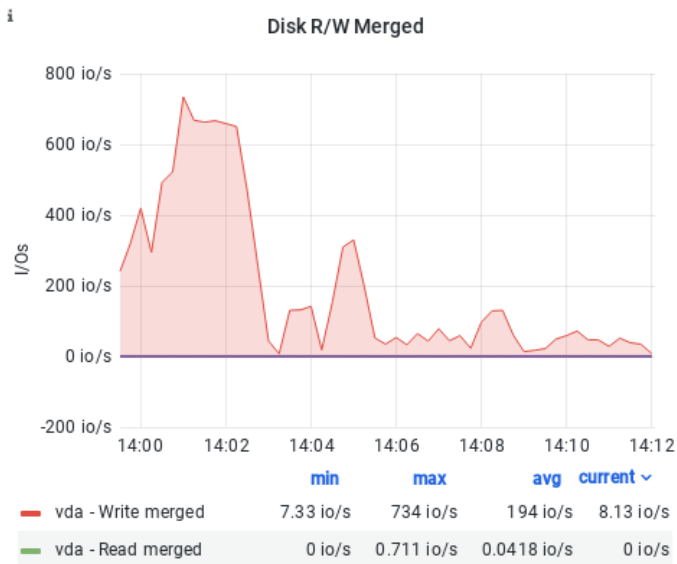
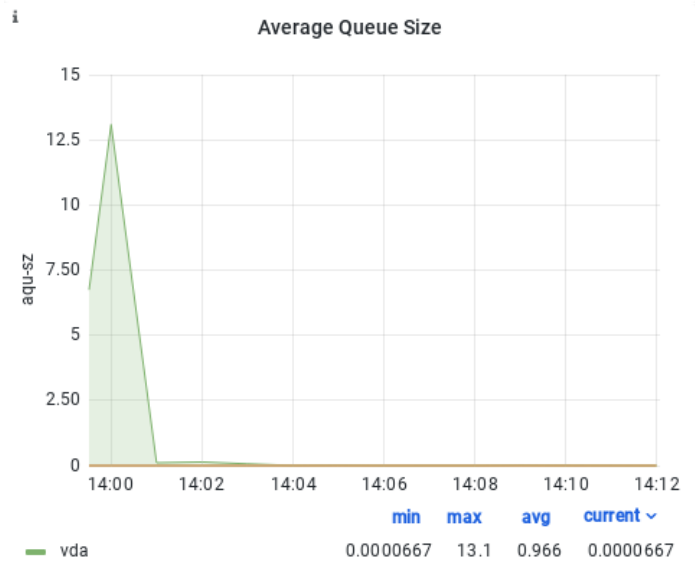
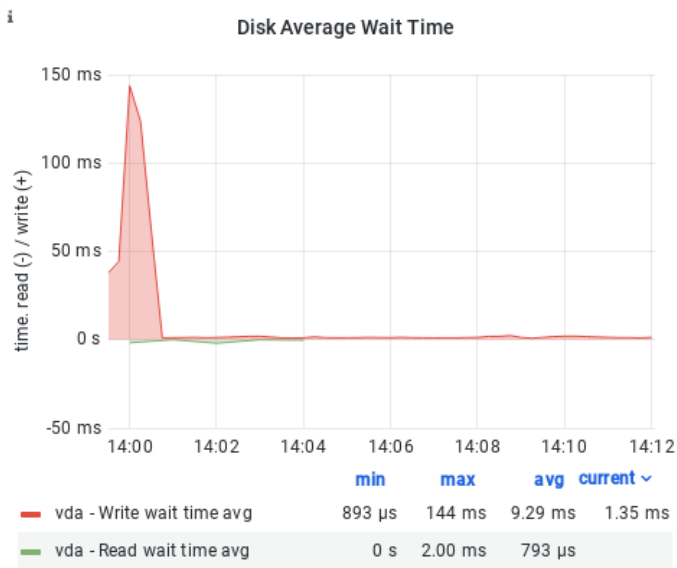
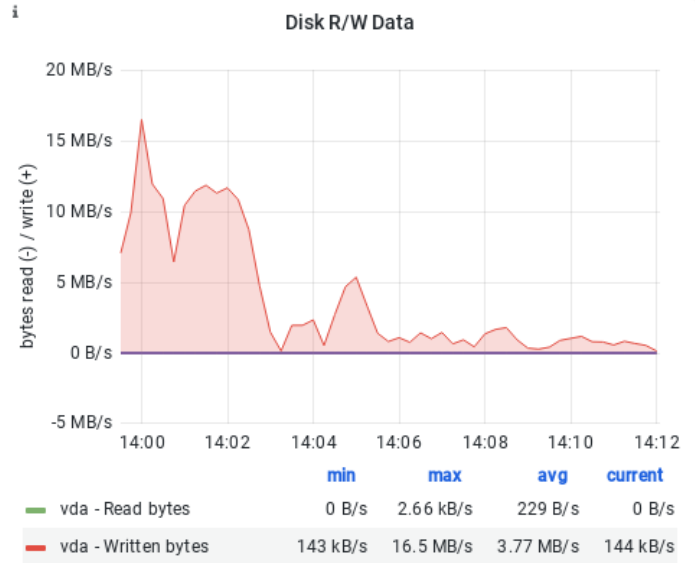


Systemd Sockets



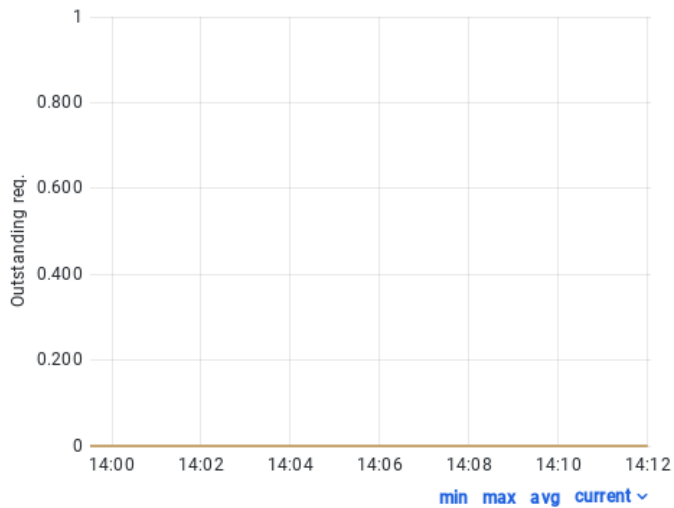
Systemd Units State



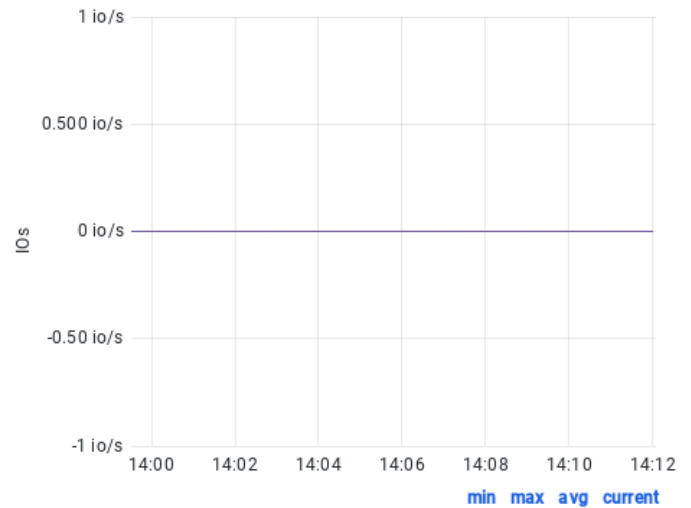


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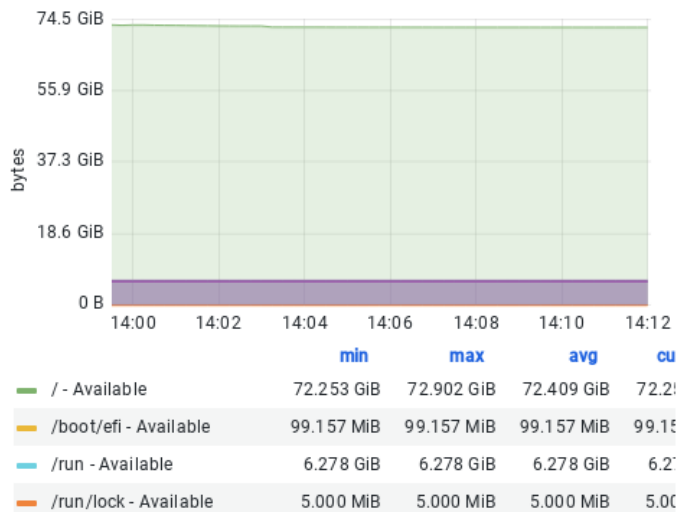
Instantaneous Queue Size



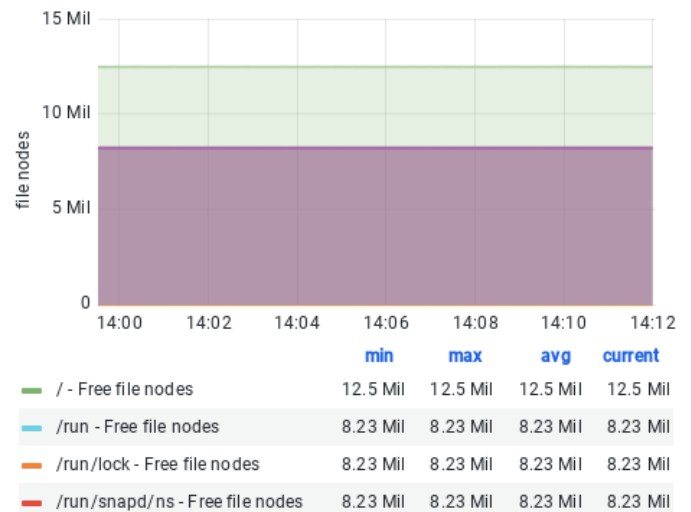
Disk IOps Discards completed / merged



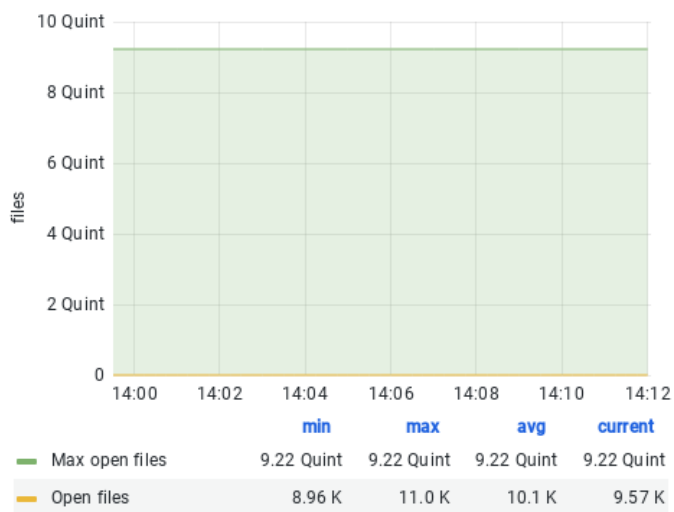
Filesystem space available



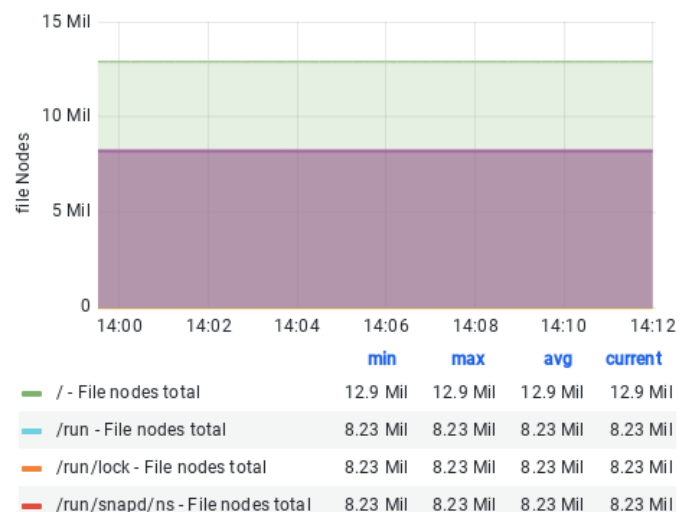
File Nodes Free



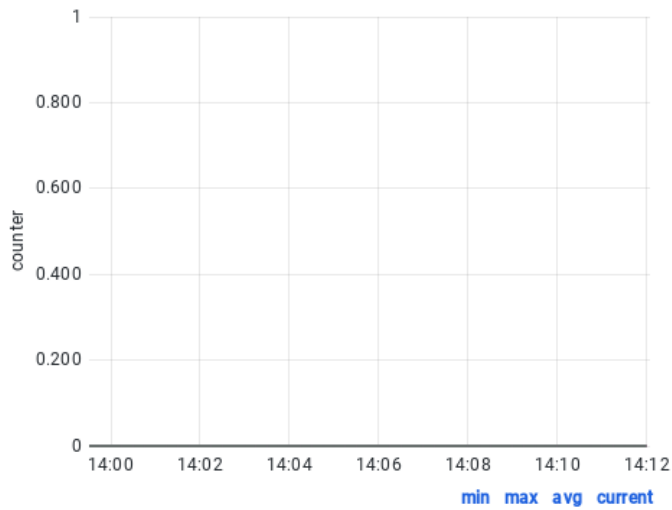
File Descriptor



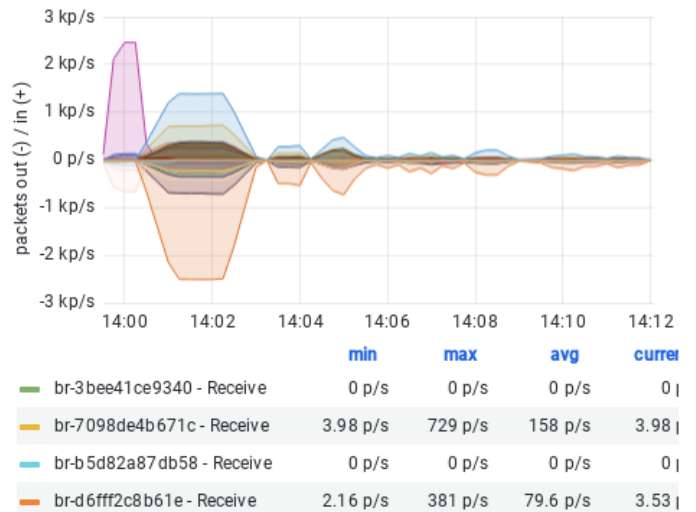
File Nodes Size



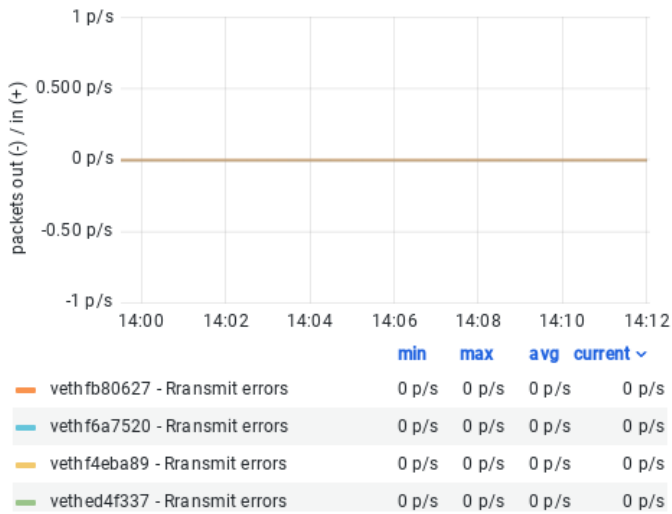
Filesystem in ReadOnly / Error



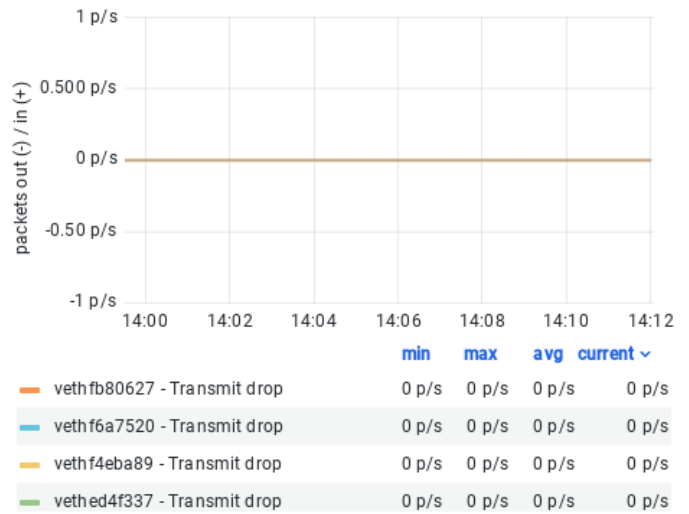
Network Traffic by Packets



Network Traffic Errors



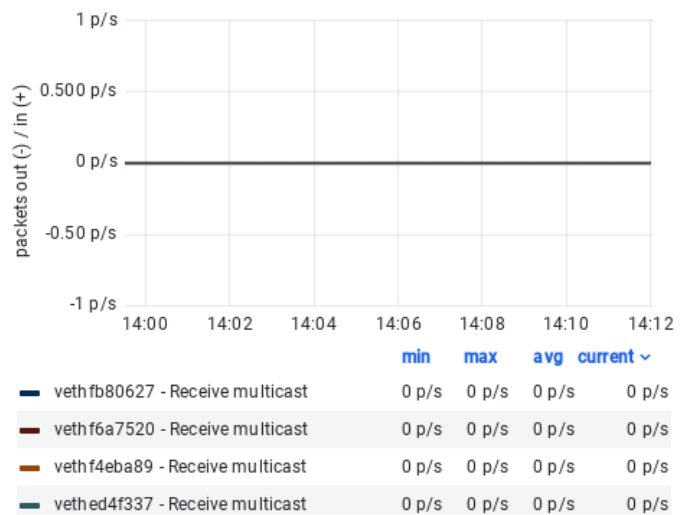
Network Traffic Drop



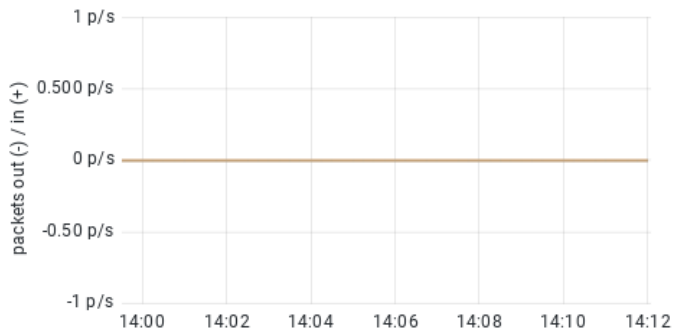
Network Traffic Compressed



Network Traffic Multicast

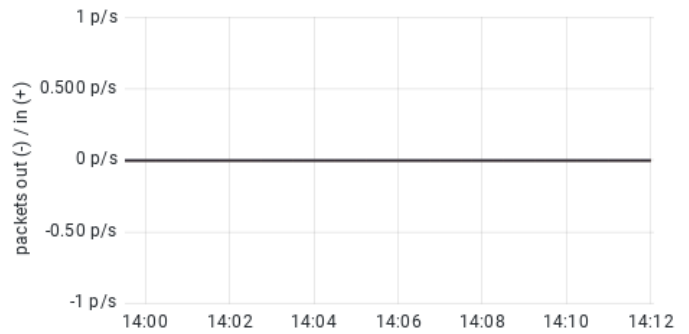


Network Traffic Fifo



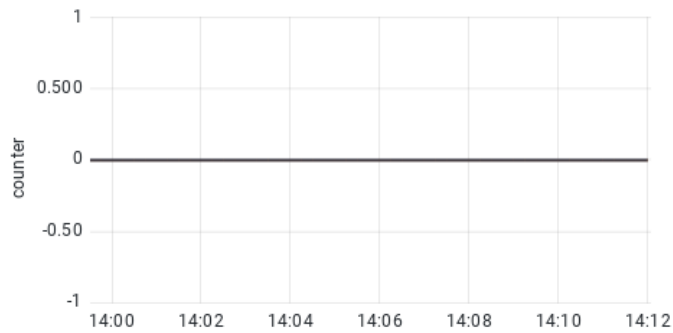
	min	max	avg	current
vethfb80627 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf6a7520 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf4eba89 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethed4f337 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



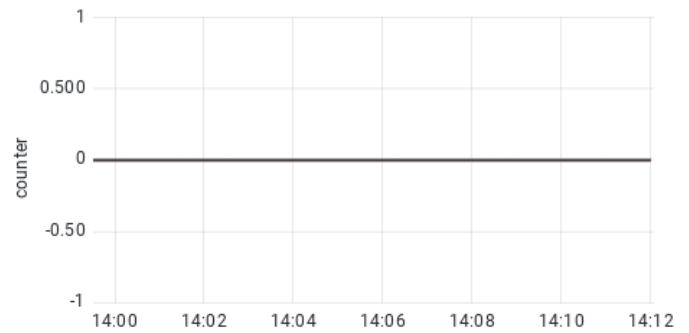
	min	max	avg	current
vethfb80627 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf6a7520 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf4eba89 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethed4f337 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



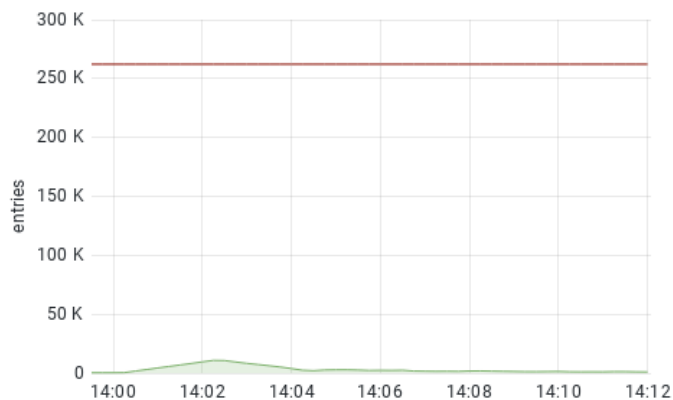
	min	max	avg	current
vethfb80627 - Statistic transmit_carrier	0	0	0	0
vethf6a7520 - Statistic transmit_carrier	0	0	0	0
vethf4eba89 - Statistic transmit_carrier	0	0	0	0
vethed4f337 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



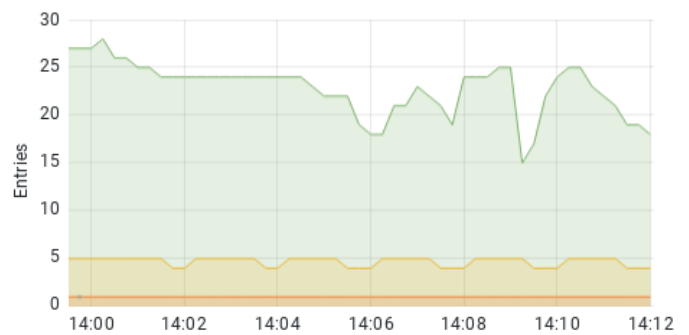
	min	max	avg	current
vethfb80627 - Transmit colls	0	0	0	0
vethf6a7520 - Transmit colls	0	0	0	0
vethf4eba89 - Transmit colls	0	0	0	0
vethed4f337 - Transmit colls	0	0	0	0

NF Contrack



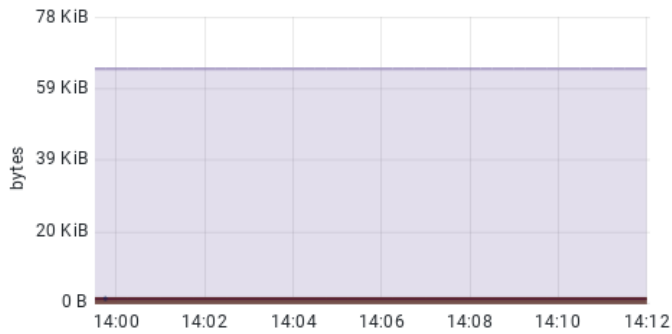
	min	max	avg	current
NF conntrack entries	314	10.8 K	3.08 K	980
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



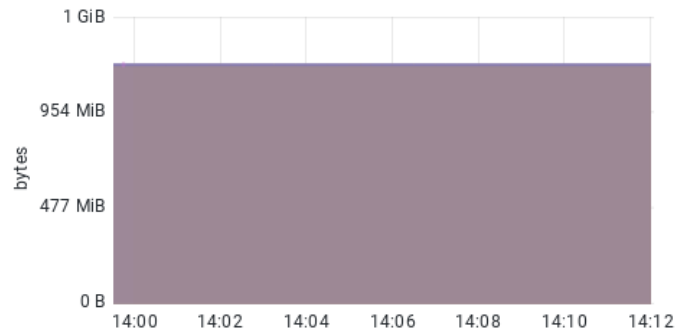
	min	max	avg	current
br-7098de4b671c - ARP entries	15	28	22.9	18
br-d6ff2c8b61e - ARP entries	4	5	4.69	4
docker0 - ARP entries	1	1	1	
ens3 - ARP entries	1	1	1	1

MTU



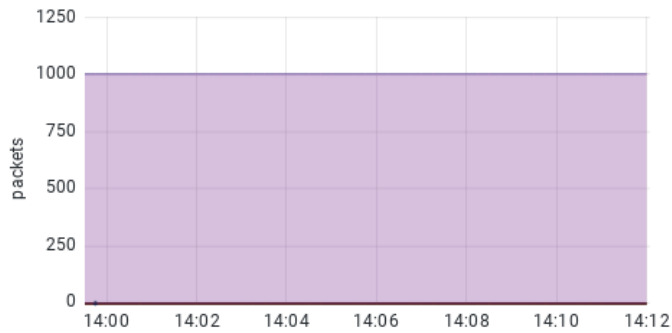
	min	max	avg	current
br-3bee41ce9340 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7098de4b671c - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-b5d82a87db58 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-d6fff2c8b61e - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



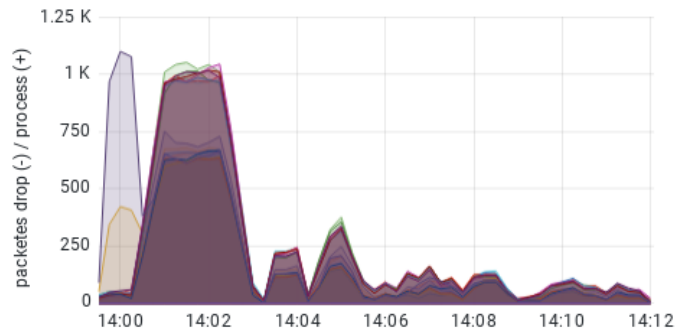
	min	max	avg	current
ens3 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
veth066268f - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth0bd7c48 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth0c1a04b - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB

Queue Length



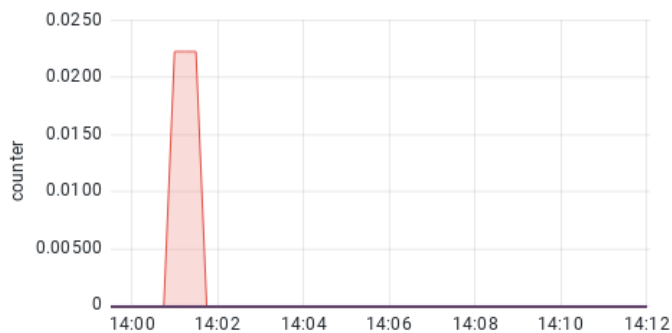
	min	max	a
br-3bee41ce9340 - Interface transmit queue length	0	0	
br-7098de4b671c - Interface transmit queue length	0	0	
br-b5d82a87db58 - Interface transmit queue length	0	0	
br-d6fff2c8b61e - Interface transmit queue length	0	0	

Softnet Packets



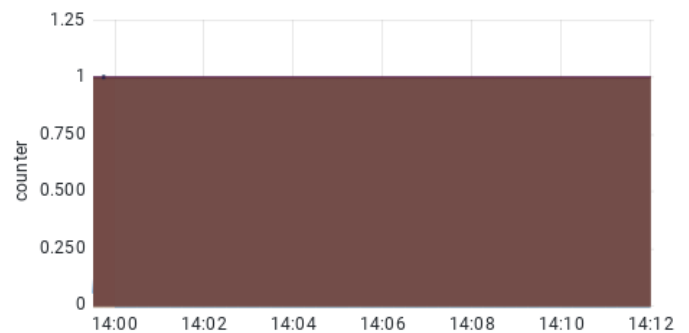
	min	max	avg	current	v
CPU 14 - Processed	12.2	1.04 K	237	22.4	
CPU 3 - Processed	4.02	640	142	16.1	
CPU 12 - Processed	4.62	994	236	15.3	
CPU 15 - Processed	1.60	751	169	11.2	

Softnet Out of Quota



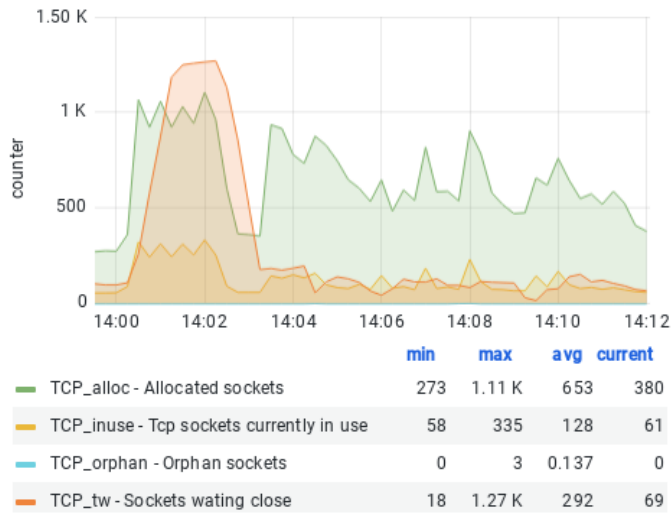
	min	max	avg	current	v
CPU 9 - Squeezed	0	0	0	0	
CPU 8 - Squeezed	0	0	0	0	
CPU 7 - Squeezed	0	0	0	0	
CPU 6 - Squeezed	0	0	0	0	

Network Operational Status

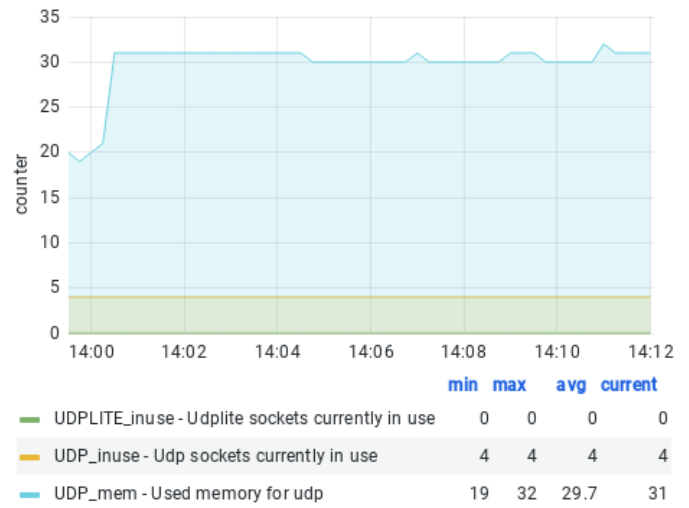


	min	max	avg	current	v
vethfb80627 - Physical link state	1	1	1	1	
vethf6a7520 - Physical link state	1	1	1	1	
vethf4eba89 - Physical link state	1	1	1	1	
vethed4f337 - Physical link state	1	1	1	1	

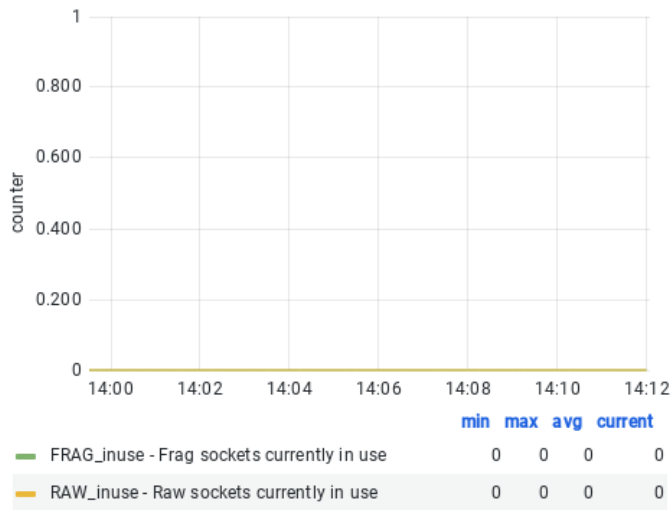
Sockstat TCP



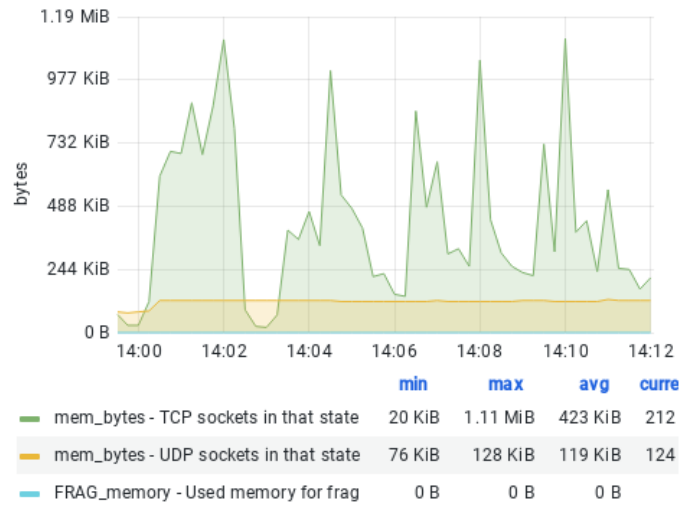
Sockstat UDP



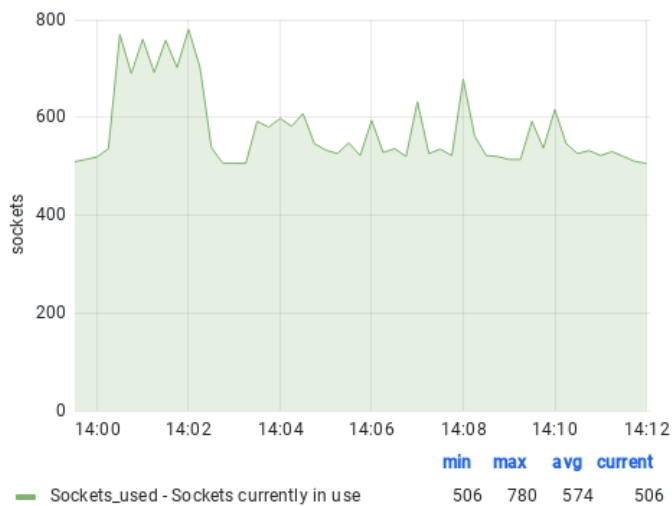
Sockstat FRAG / RAW



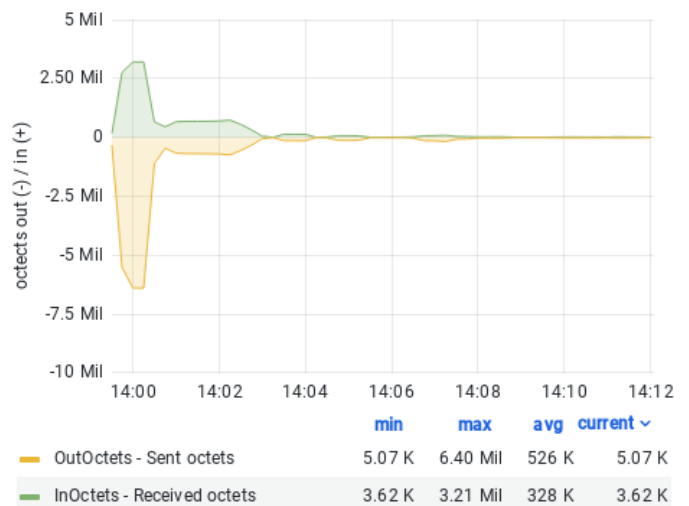
Sockstat Memory Size



Sockstat Used

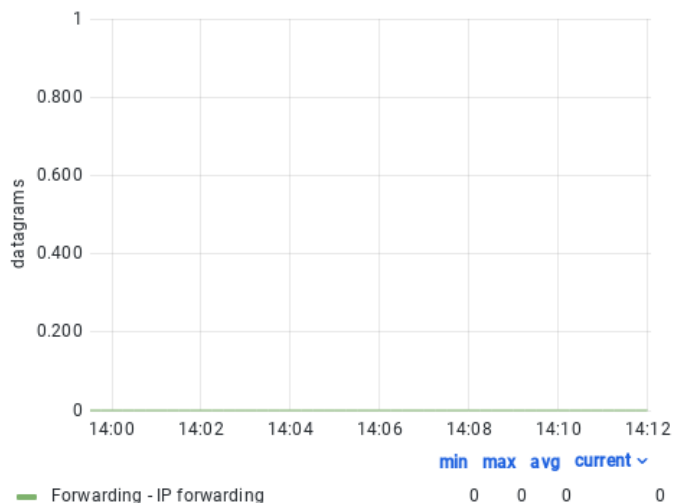


Netstat IP In / Out Octets





Netstat IP Forwarding



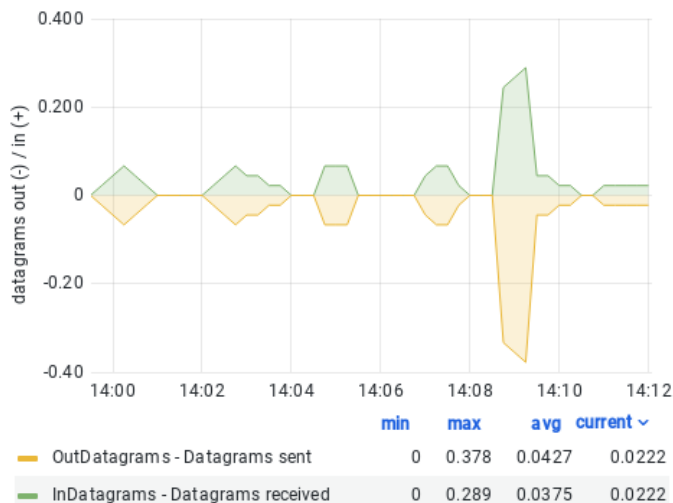
ICMP In / Out



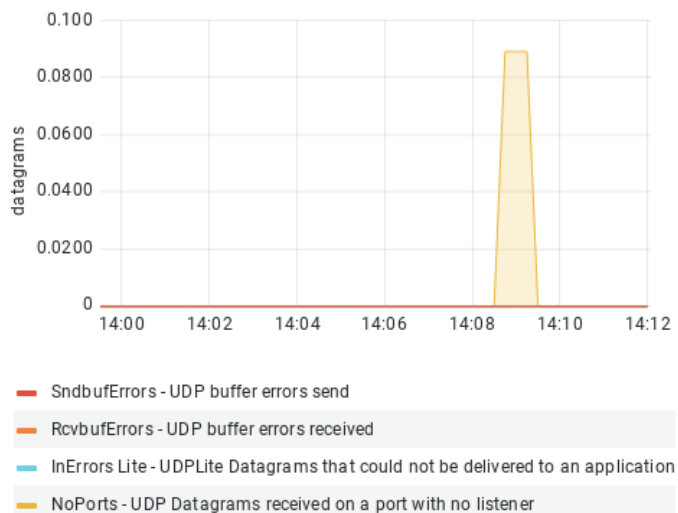
ICMP Errors



UDP In / Out



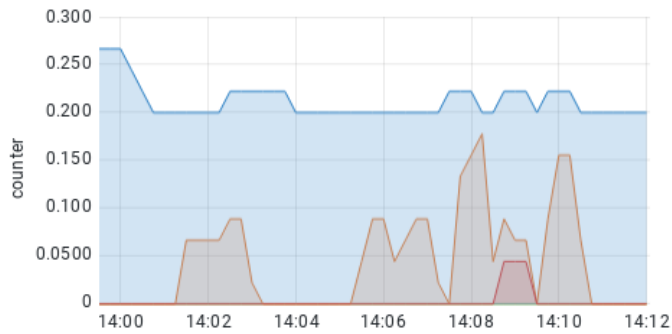
UDP Errors



TCP In / Out

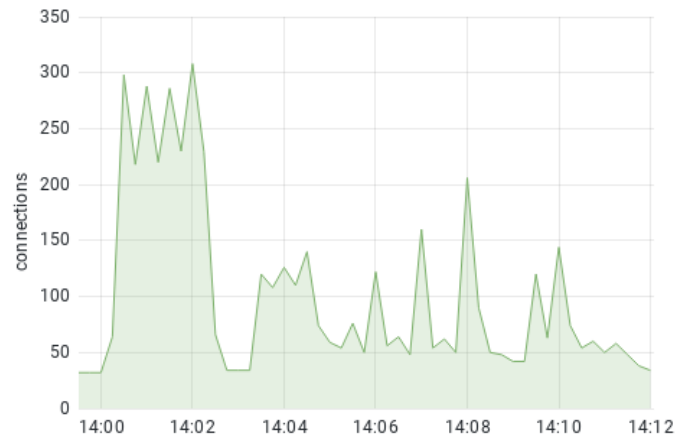


TCP Errors



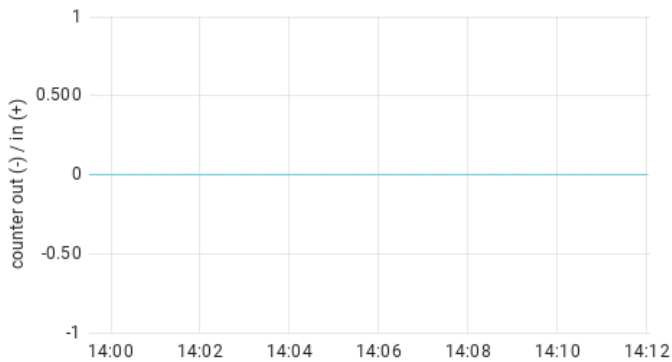
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



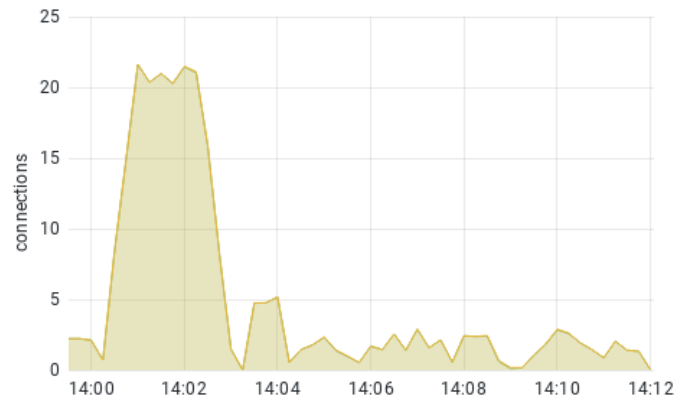
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



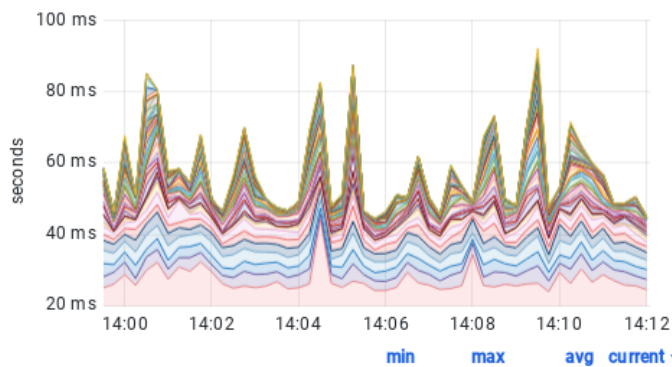
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



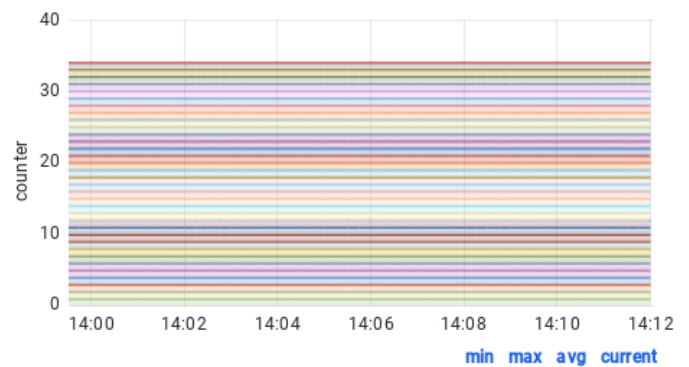
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	24.1 ms	44.2 ms	27.3 ms	24.6
diskstats - Scrape duration	1.52 ms	4.86 ms	3.18 ms	2.94
cpu - Scrape duration	1.09 ms	3.97 ms	2.79 ms	2.76
netdev - Scrape duration	1.73 ms	4.67 ms	3.20 ms	2.62

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