

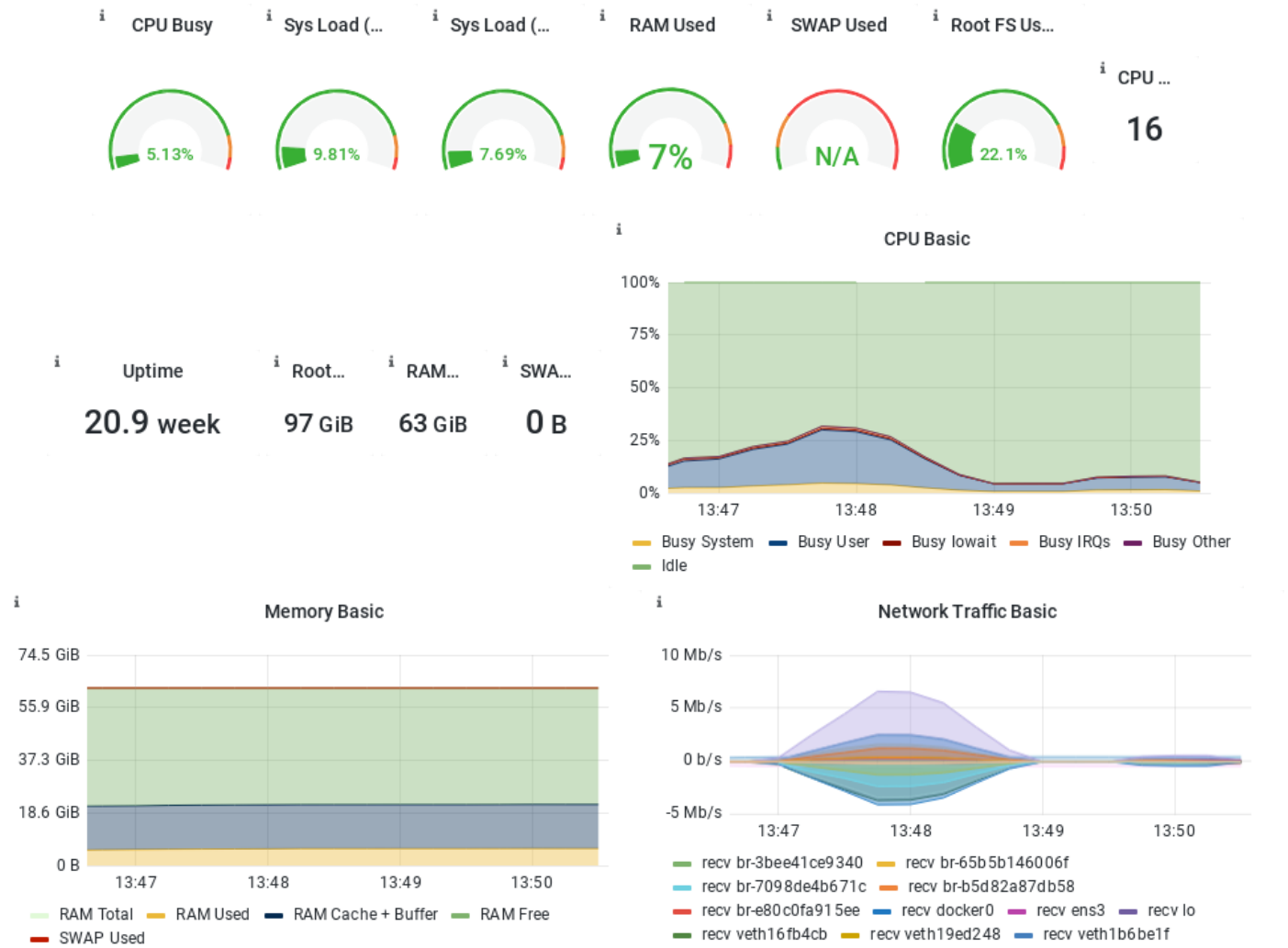
# Host Metrics

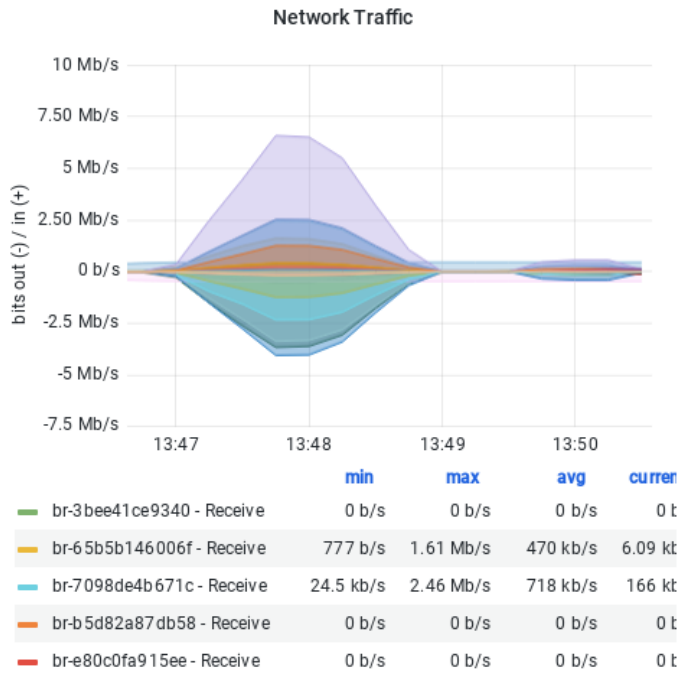
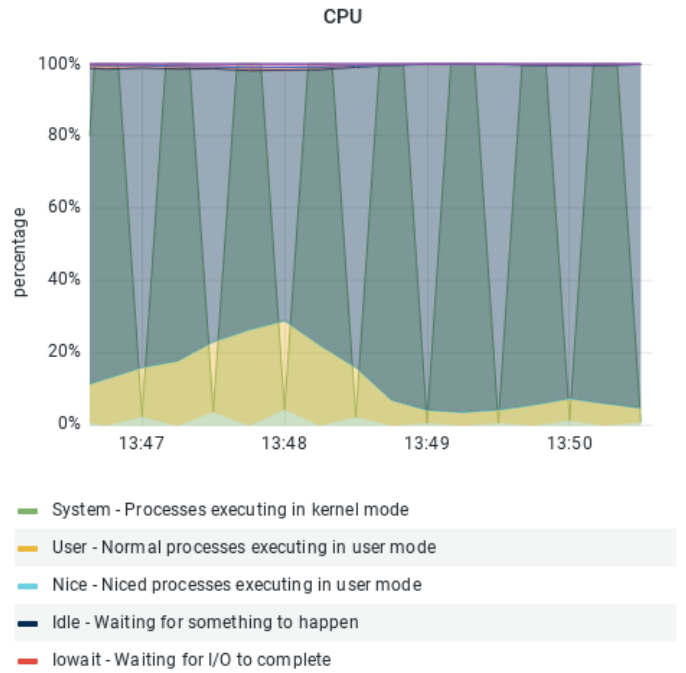
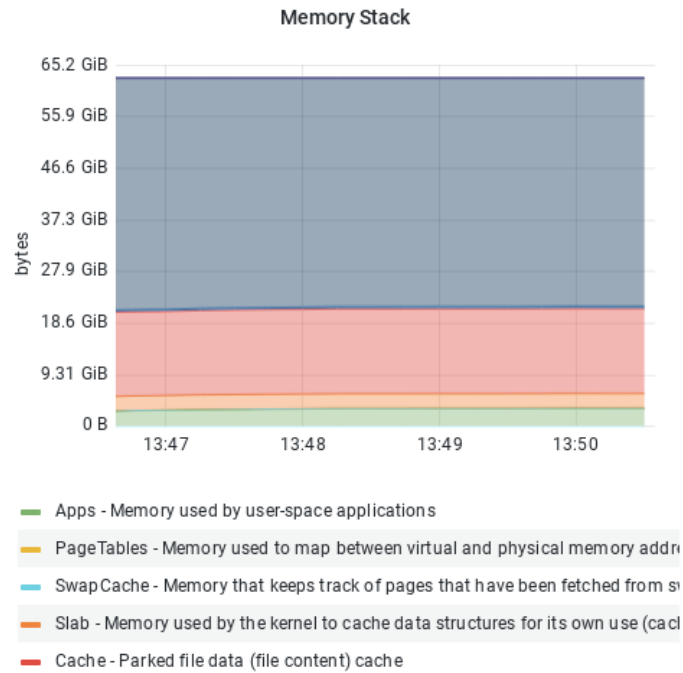
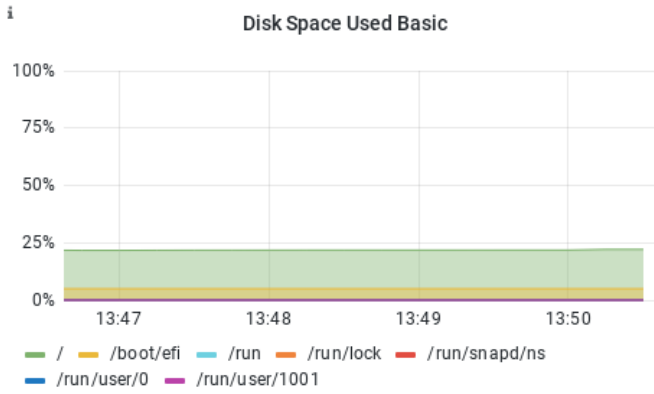
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Mon Mar 7 13:46:37 UTC 2022

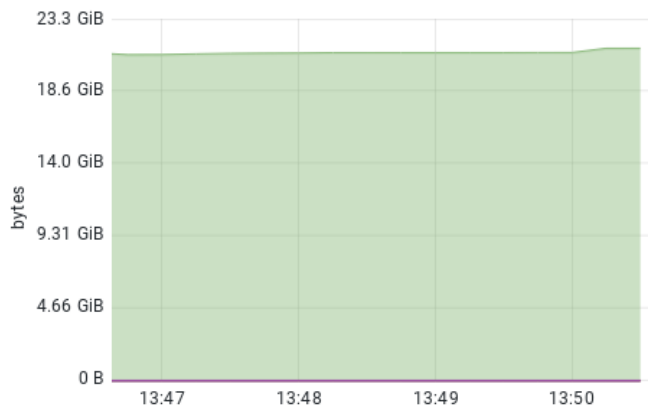
to

Mon Mar 7 13:50:34 UTC 2022



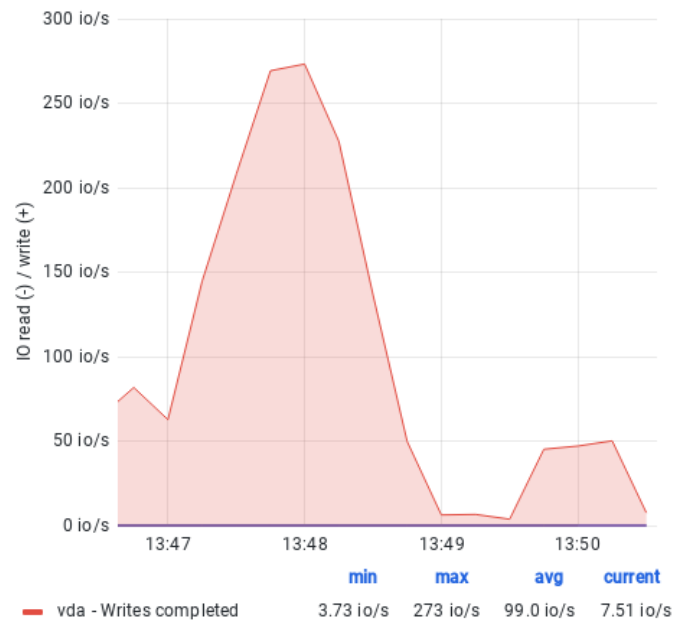


Disk Space Used



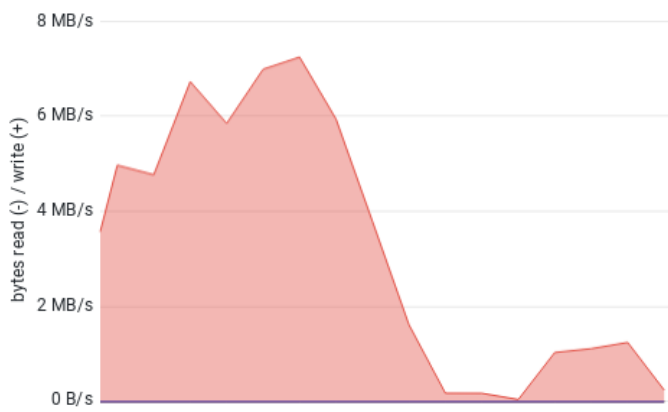
	min	max	avg	current ^
/run/lock	0 B	0 B	0 B	0 B
/run/user/0	0 B	0 B	0 B	0 B
/run/user/1001	0 B	0 B	0 B	0 B
/run	3.047 MiB	3.113 MiB	3.109 MiB	3.113 MiB
/run/snapd/ns	3.047 MiB	3.113 MiB	3.109 MiB	3.113 MiB

Disk IOps



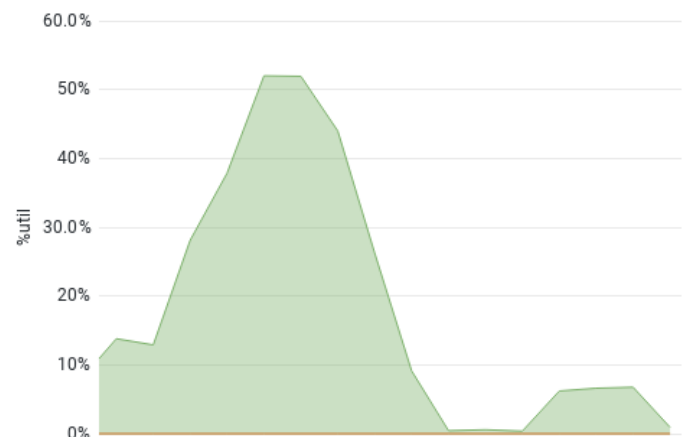
	min	max	avg	current
vda - Writes completed	3.73 io/s	273 io/s	99.0 io/s	7.51 io/s

I/O Usage Read / Write



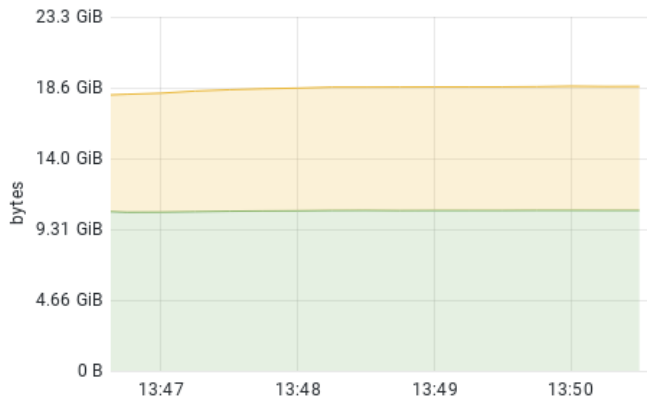
	min	max	avg
vda - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdb - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdc - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdd - Successfully read bytes	0 B/s	0 B/s	0 B/s
vda - Successfully written bytes	44.694 kB/s	7.237 MB/s	3.169 MB/s

I/O Utilization



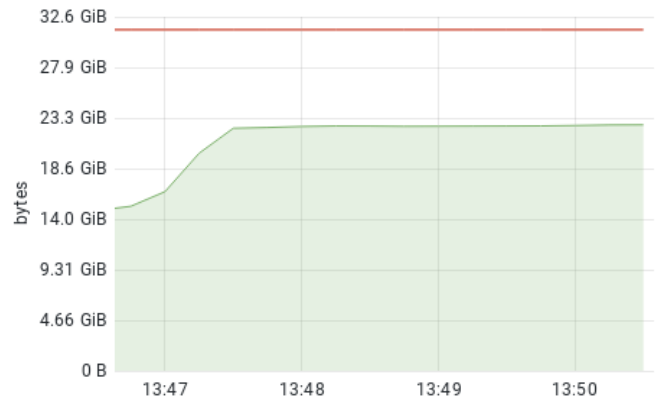
	min	max	avg	current
vda	0.373%	52.000%	17.963%	0.924%
vdb	0%	0%	0%	0%
vdc	0%	0%	0%	0%
vdd	0%	0%	0%	0%

Memory Active / Inactive



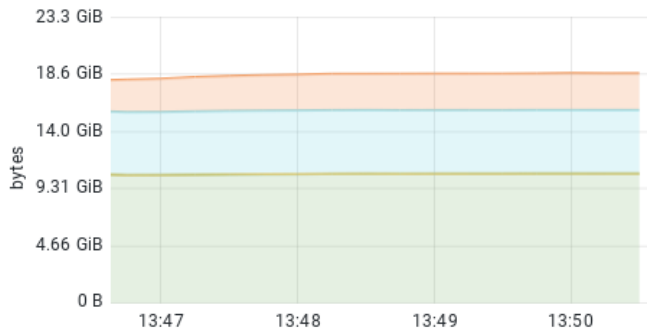
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



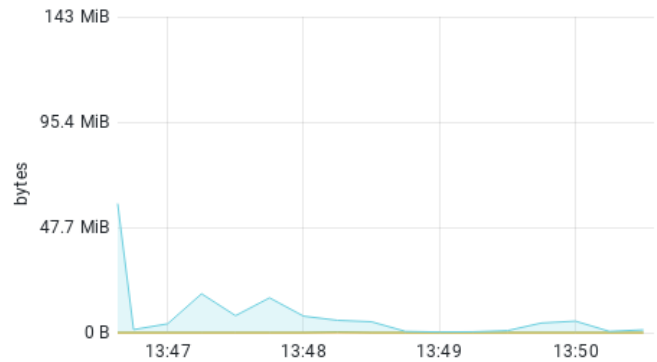
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



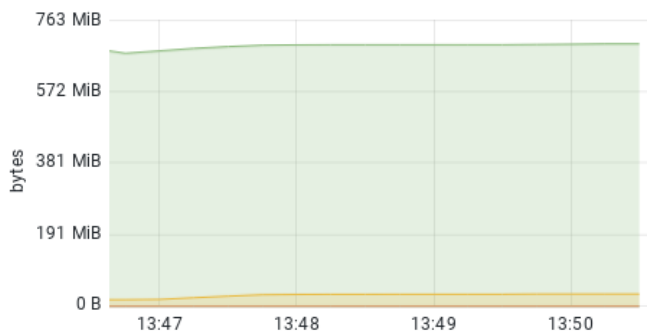
— Inactive\_file - File-backed memory on inactive LRU list  
 — Inactive\_anon - Anonymous and swap cache on inactive LRU list, including tmp  
 — Active\_file - File-backed memory on active LRU list  
 — Active\_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



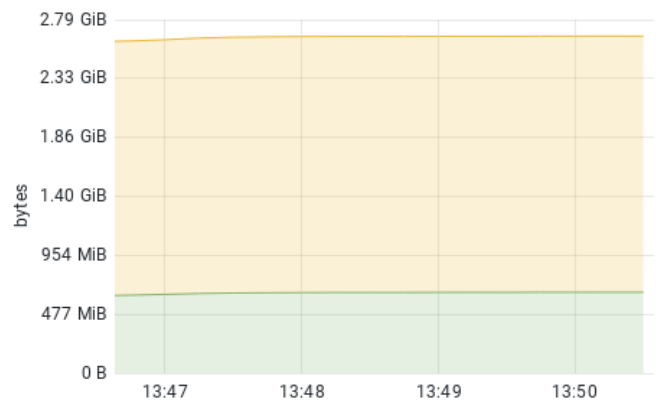
— Writeback - Memory which is actively being written back to disk  
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers  
 — Dirty - Memory which is waiting to get written back to the disk 256.

Memory Shared and Mapped



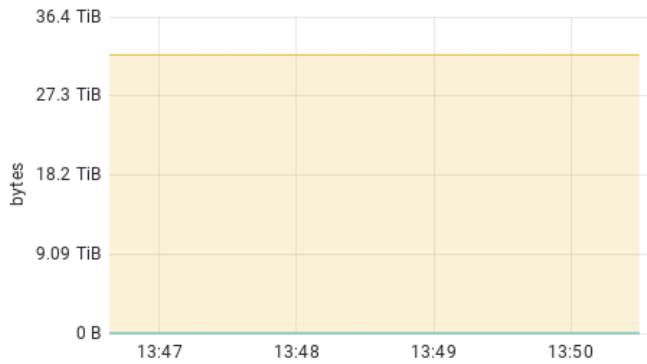
— Mapped - Used memory in mapped pages files which have been mmaped, such  
 — Shmem - Used shared memory (shared between several processes, thus includ  
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc  
 — ShmemPmdMapped - Ammount of shared (shmem/tmpfs) memory backed by

Memory Slab



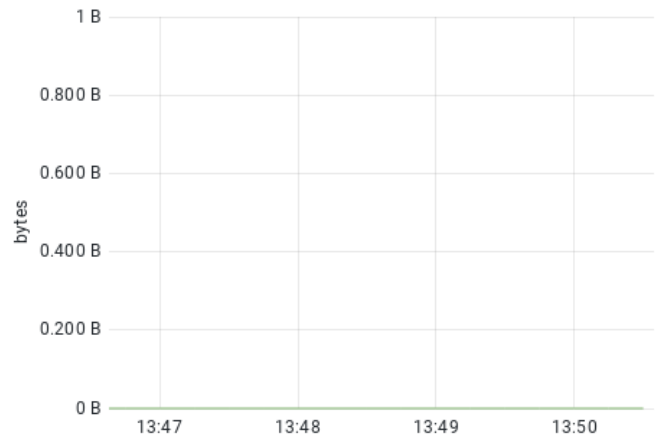
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 62  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches

Memory Vmalloc



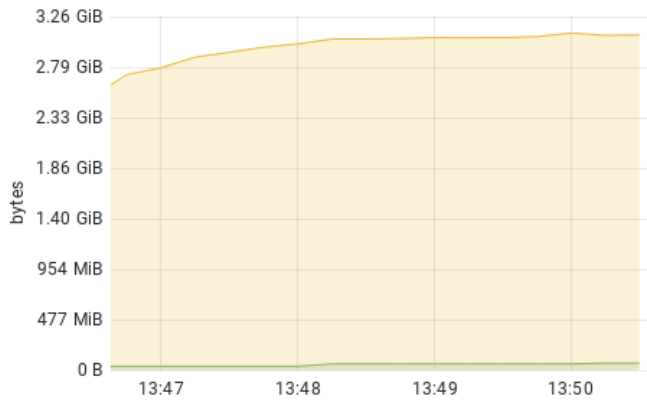
VmallocChunk - Largest contiguous block of vmalloc area which is free  
 VmallocTotal - Total size of vmalloc memory area 32.0  
 VmallocUsed - Amount of vmalloc area which is used 37.8

Memory Bounce



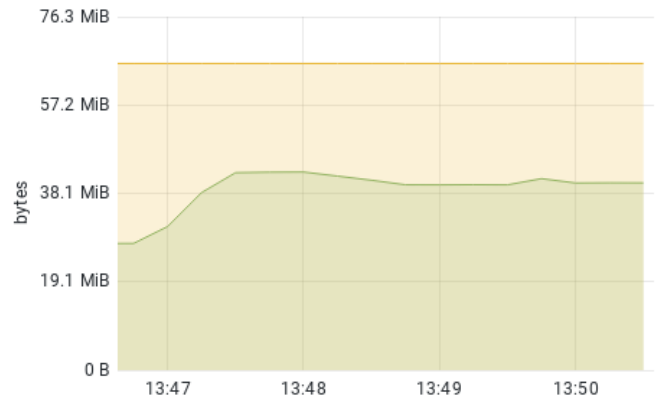
Bounce - Memory used for block device bounce buffers 0 B 0 B 0 B  
 min max avg curr

Memory Anonymous



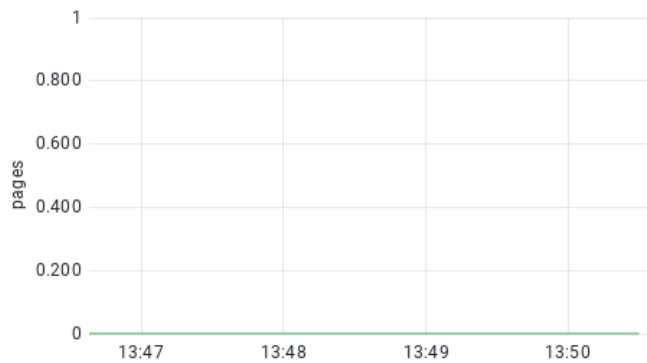
AnonHugePages - Memory in anonymous huge pages 36.00 MiB 66.00 MiB  
 AnonPages - Memory in user pages not backed by files 2.52 GiB 3.11 GiB  
 min max

Memory Kernel / CPU



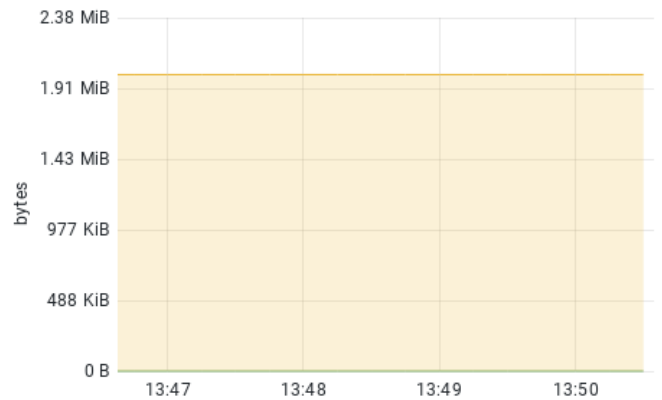
KernelStack - Kernel memory stack. This is not reclaimable 27.3  
 PerCPU - Per CPU memory allocated dynamically by loadable modules 66.1

Memory HugePages Counter



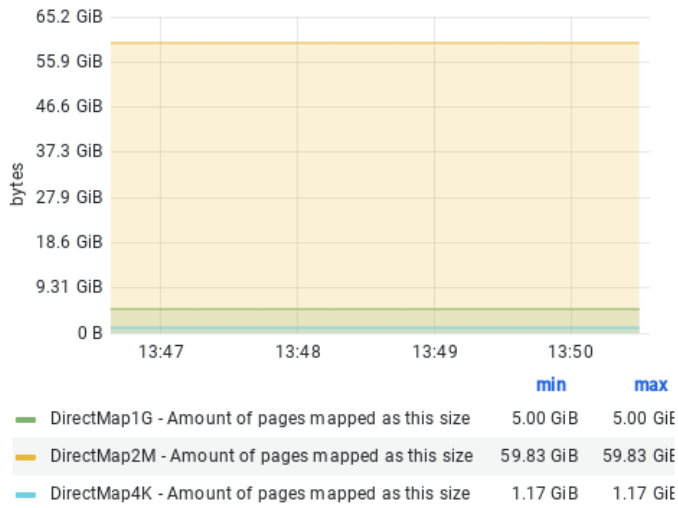
HugePages\_Free - Huge pages in the pool that are not yet allocated  
 HugePages\_Rsvd - Huge pages for which a commitment to allocate from the pool has been made but which are not yet allocated  
 HugePages\_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr\_hugepages

Memory HugePages Size

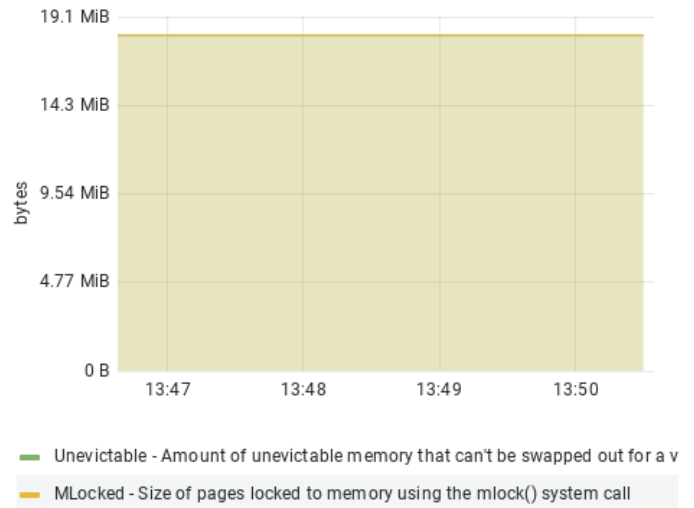


HugePages - Total size of the pool of huge pages 0 B 0 B  
 Hugepagesize - Huge Page size 2.00 MiB 2.00 MiB 2.00 MiB  
 min max curr

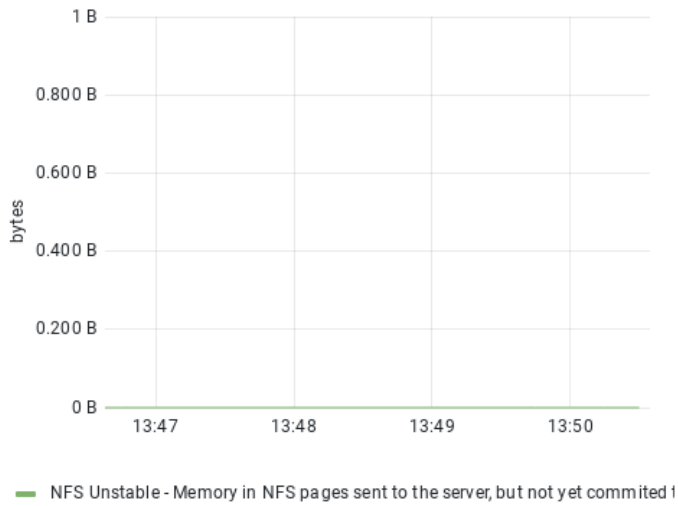
Memory DirectMap



Memory Unevictable and MLocked



Memory NFS



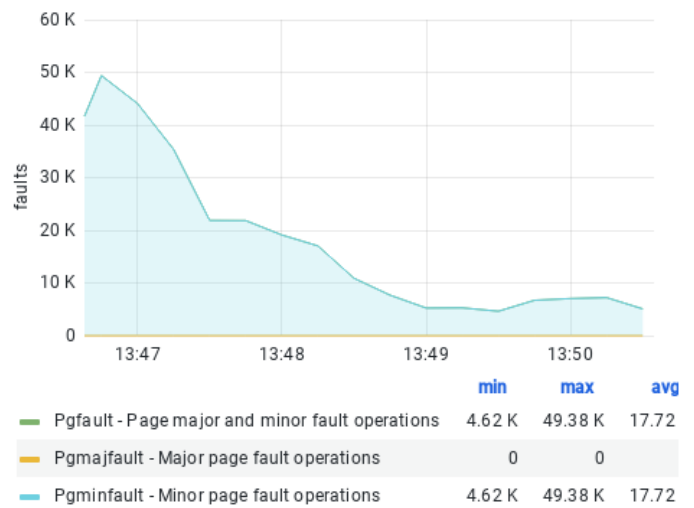
Memory Pages In / Out



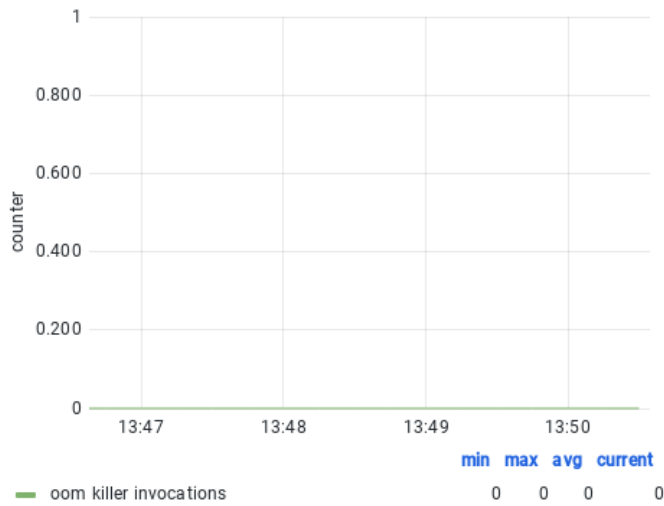
Memory Pages Swap In / Out



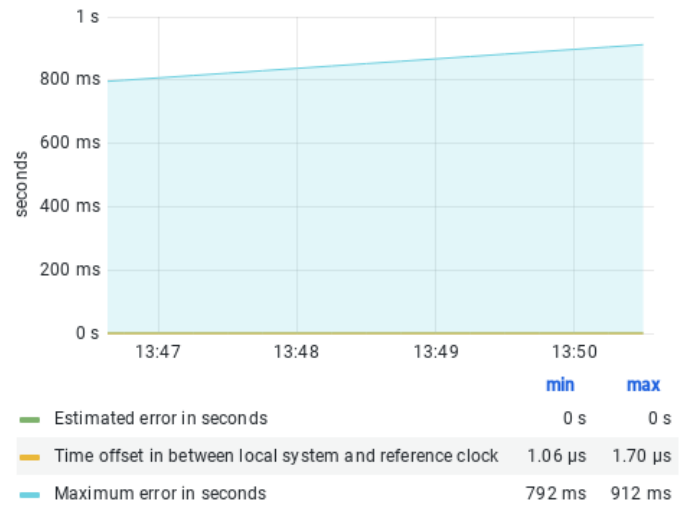
Memory Page Faults



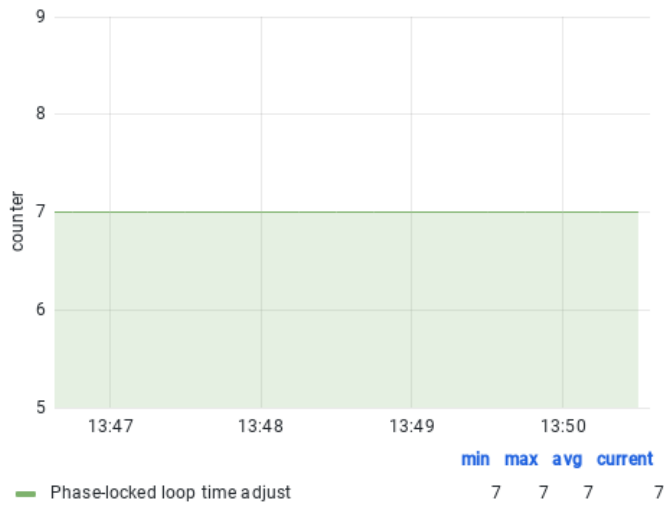
OOM Killer



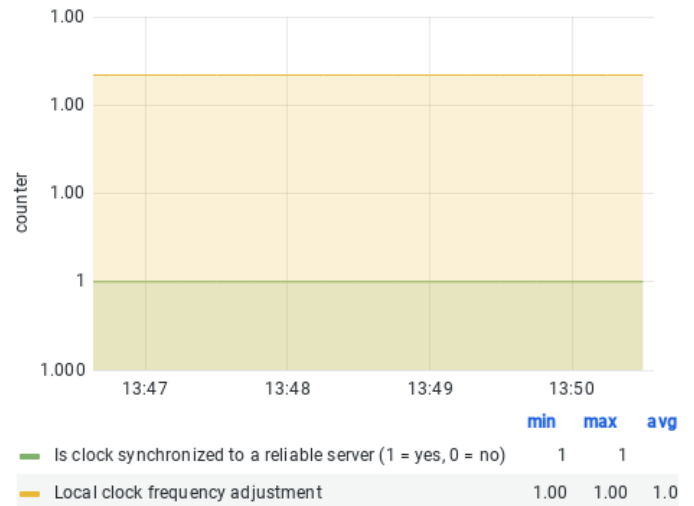
Time Synchronized Drift



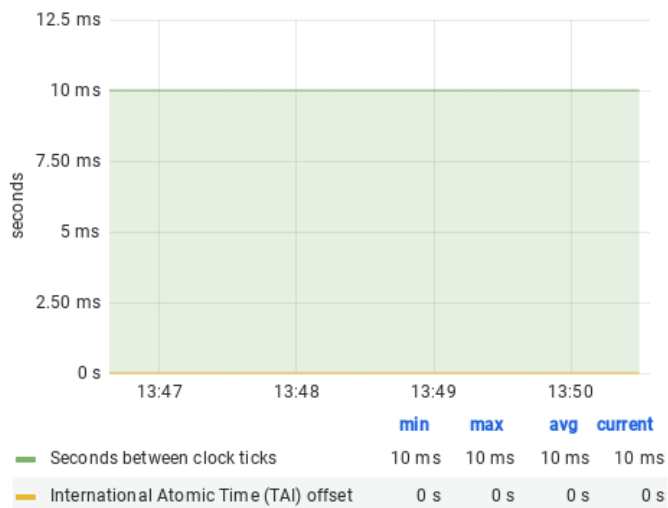
Time PLL Adjust



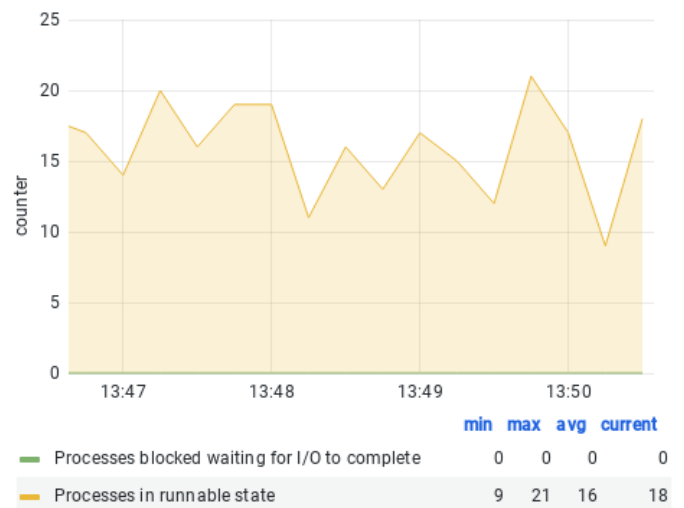
Time Synchronized Status



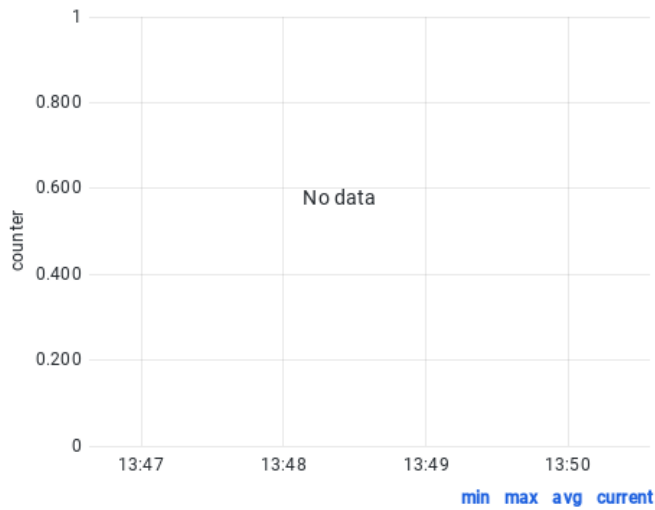
Time Misc



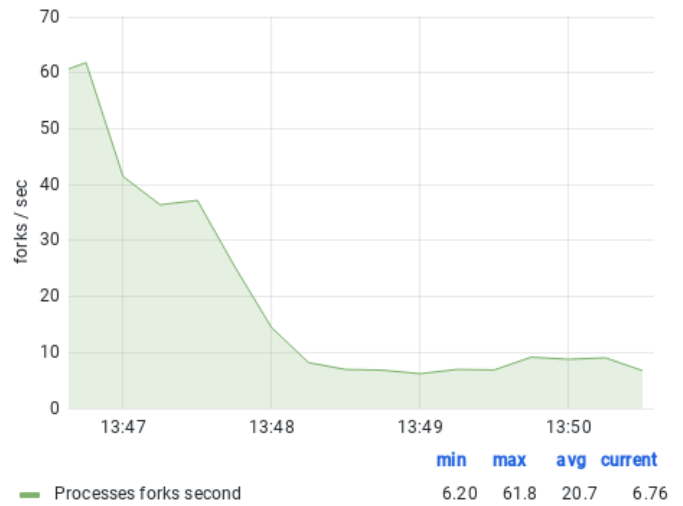
Processes Status



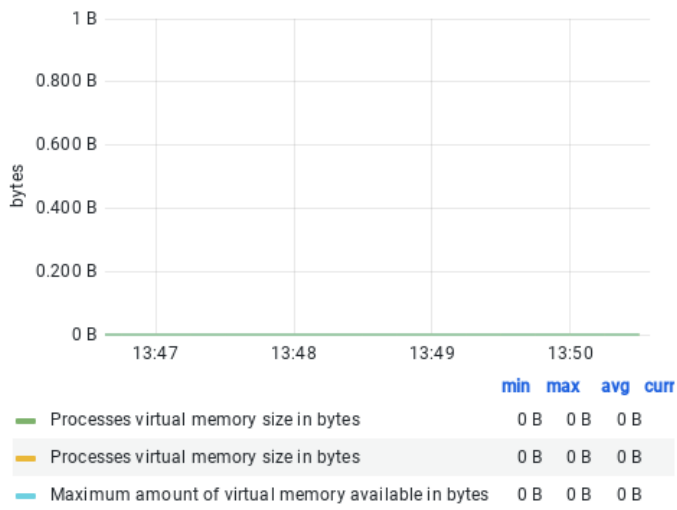
Processes State



Processes Forks



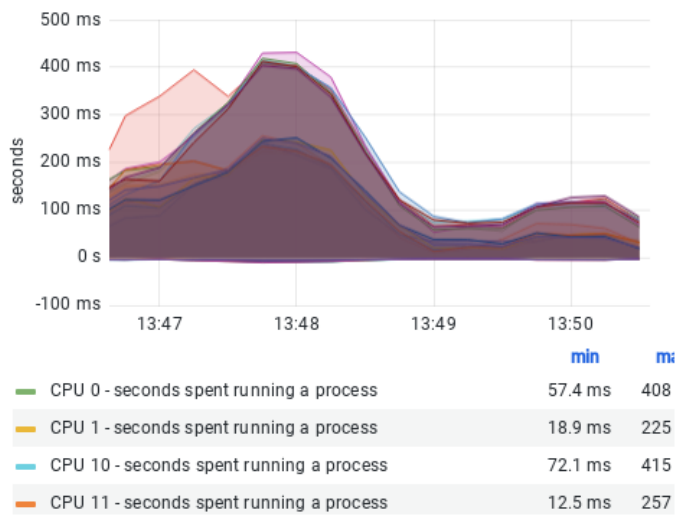
Processes Memory



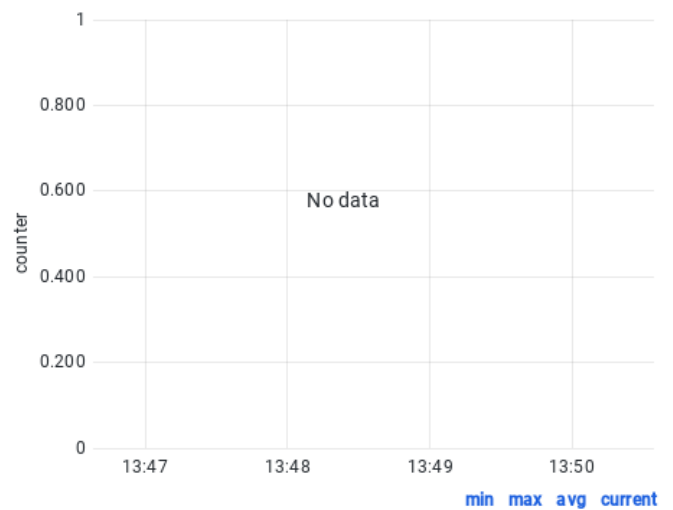
PIDs Number and Limit



Process schedule stats Running / Waiting

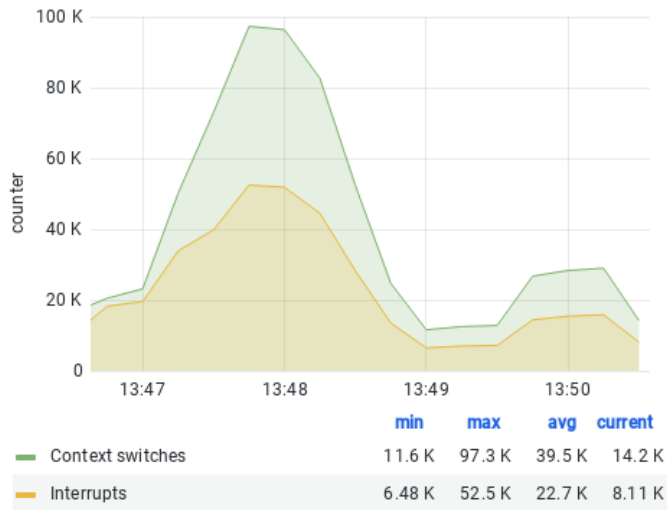


Threads Number and Limit

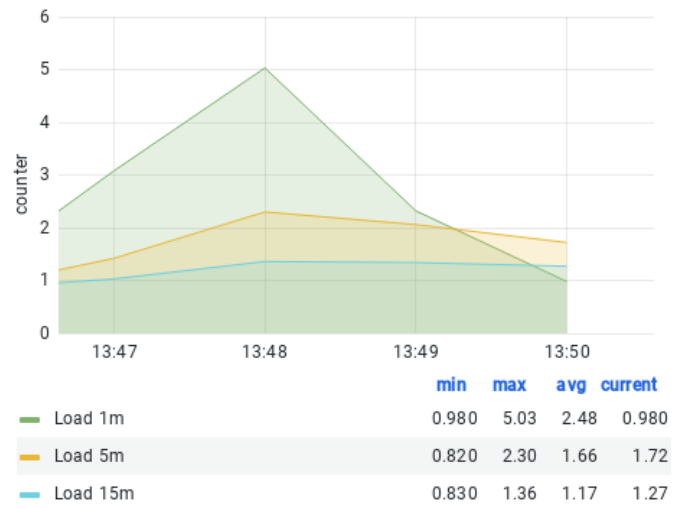




Context Switches / Interrupts



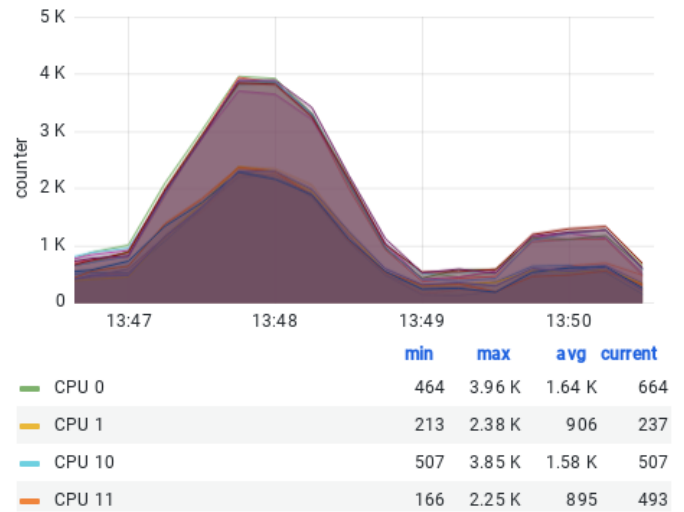
System Load



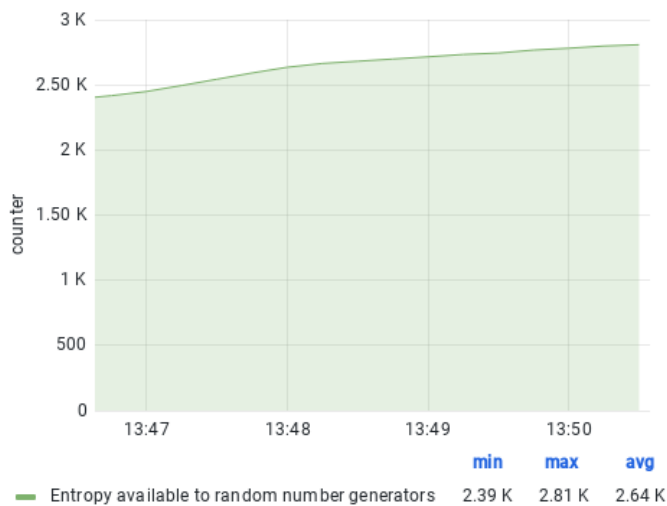
Interrupts Detail



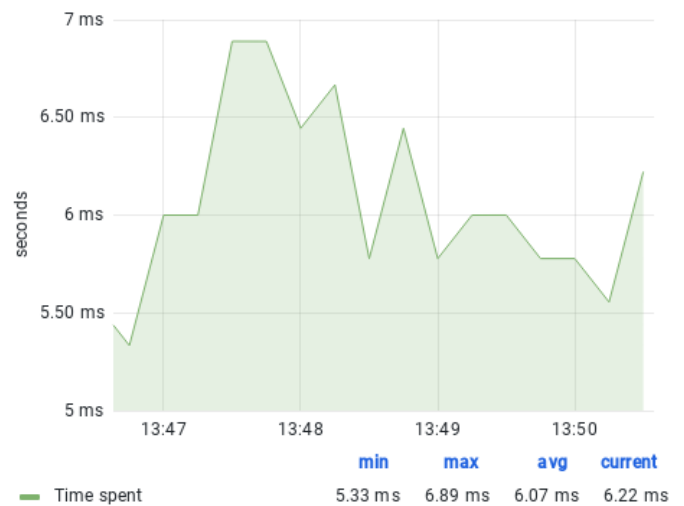
Schedule timeslices executed by each cpu



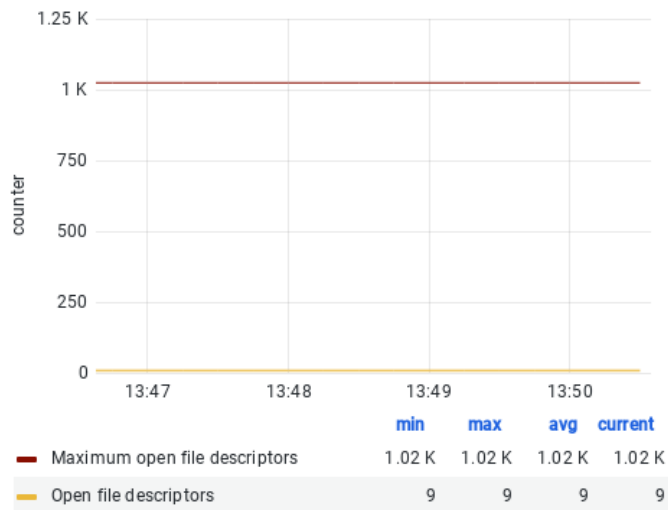
Entropy



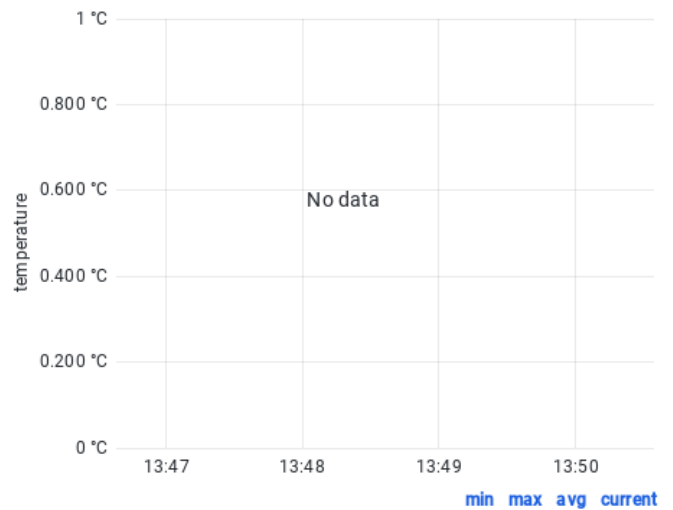
CPU time spent in user and system contexts



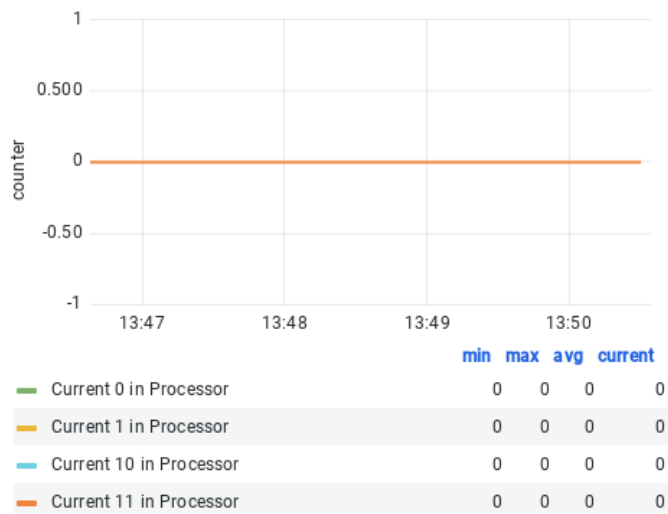
File Descriptors



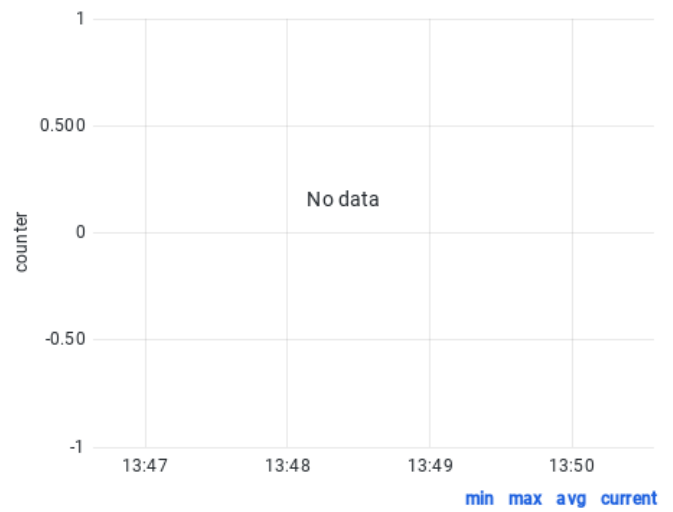
Hardware temperature monitor



Throttle cooling device



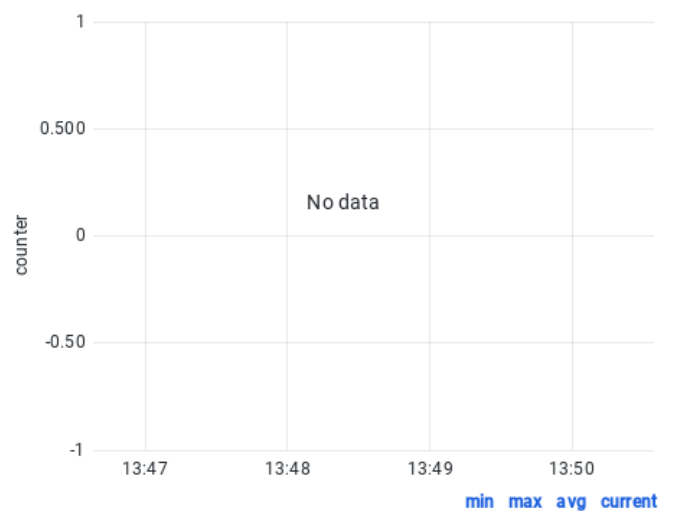
Power supply

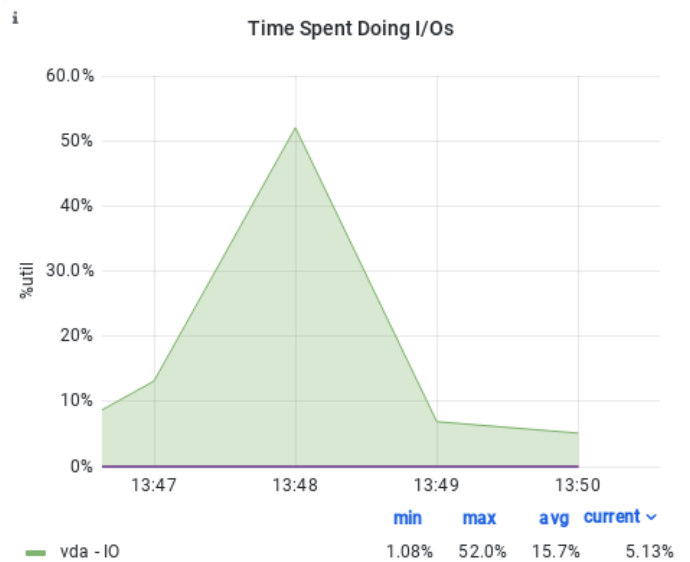
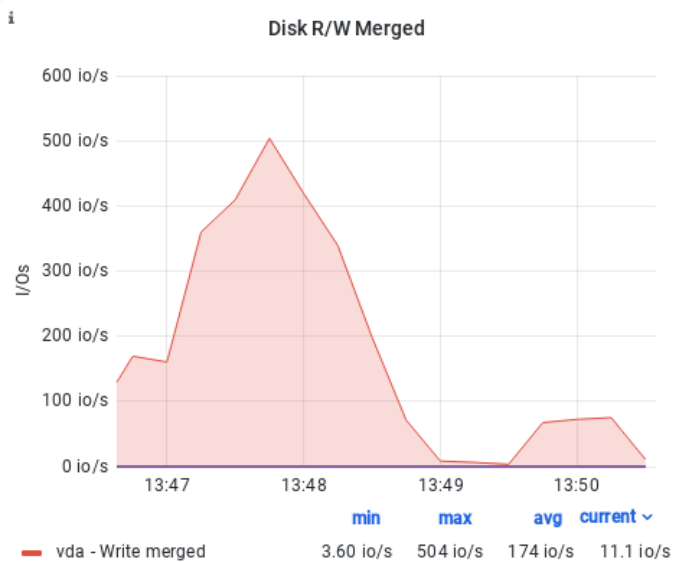
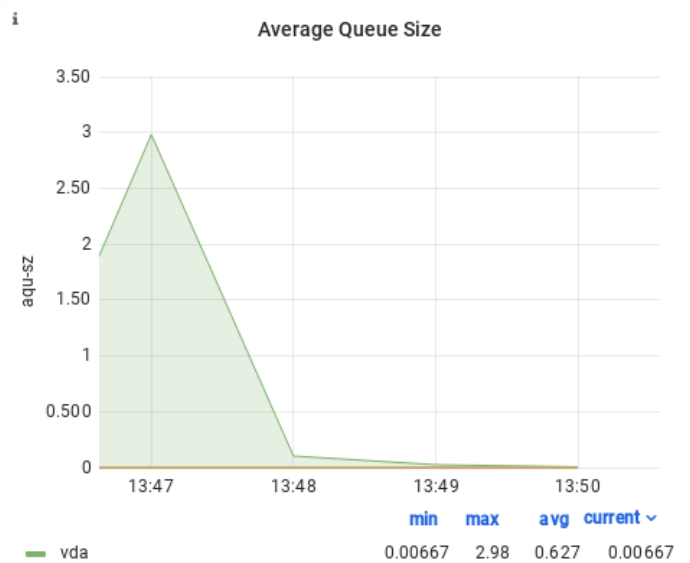
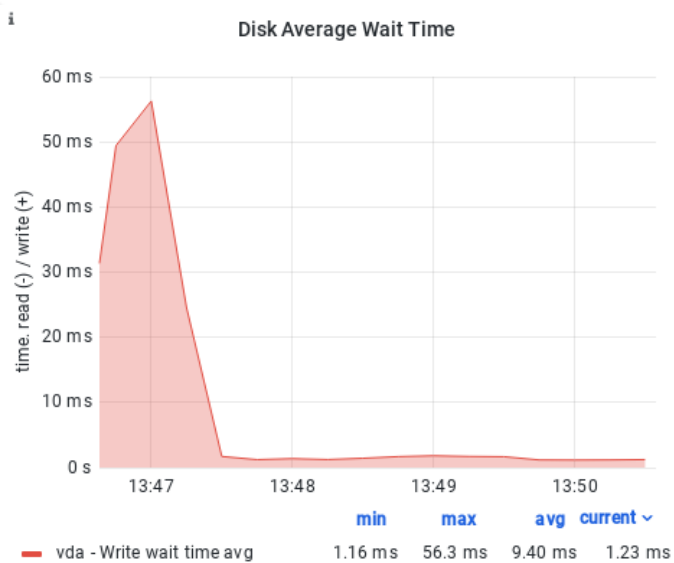
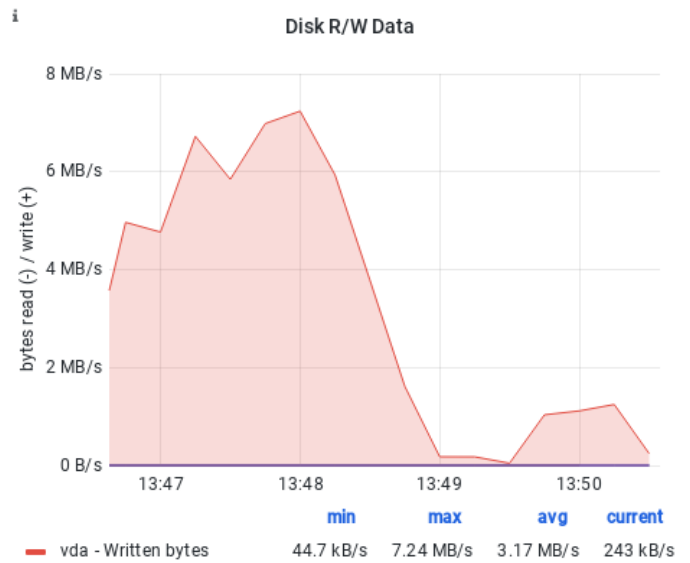
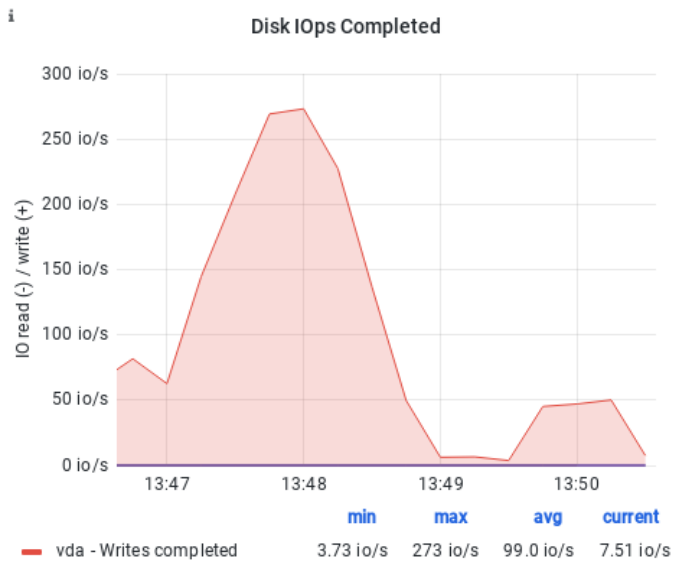


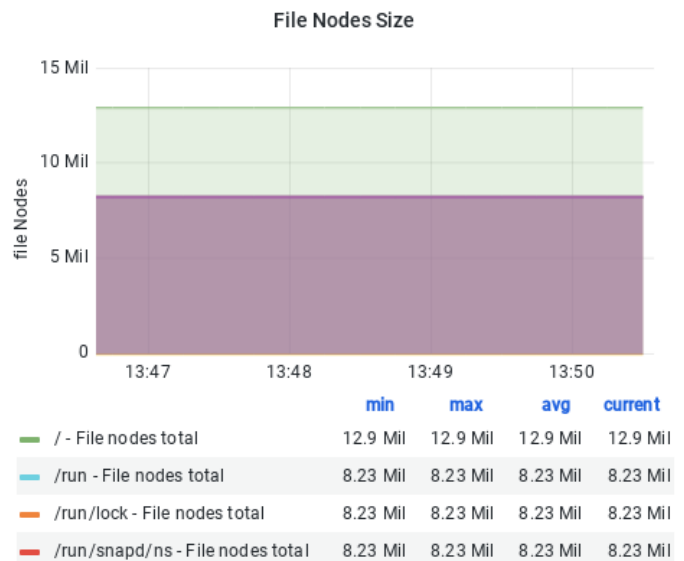
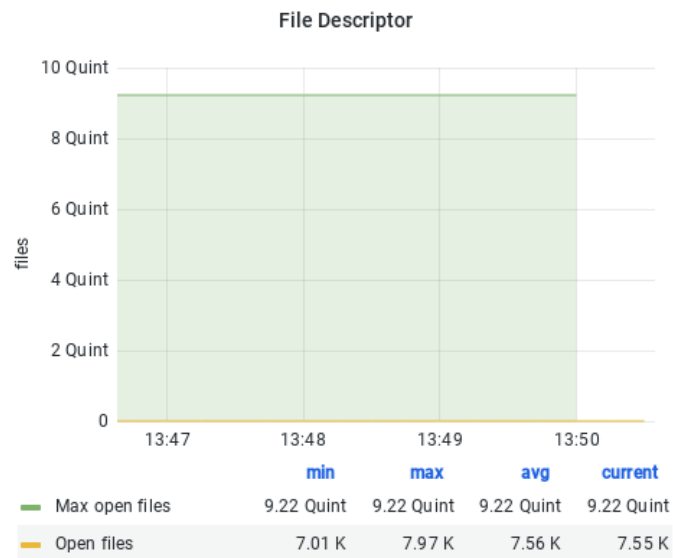
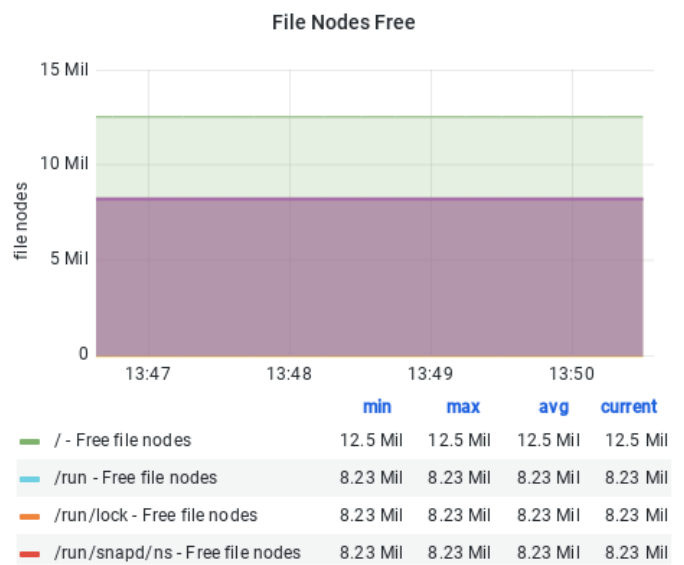
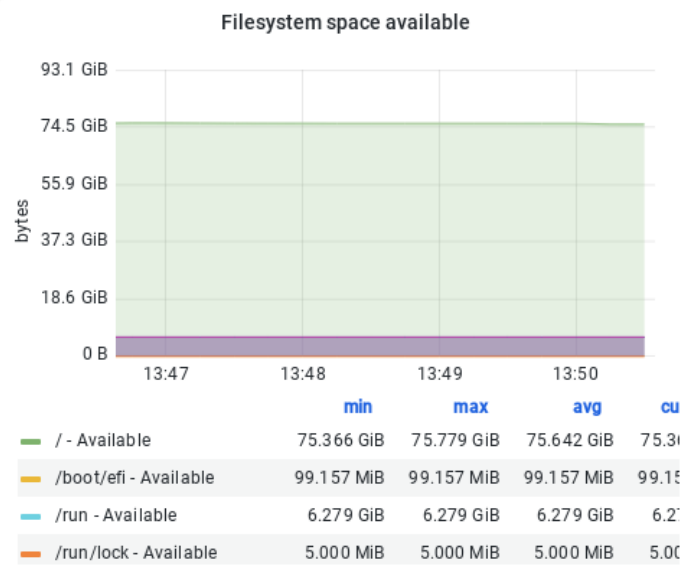
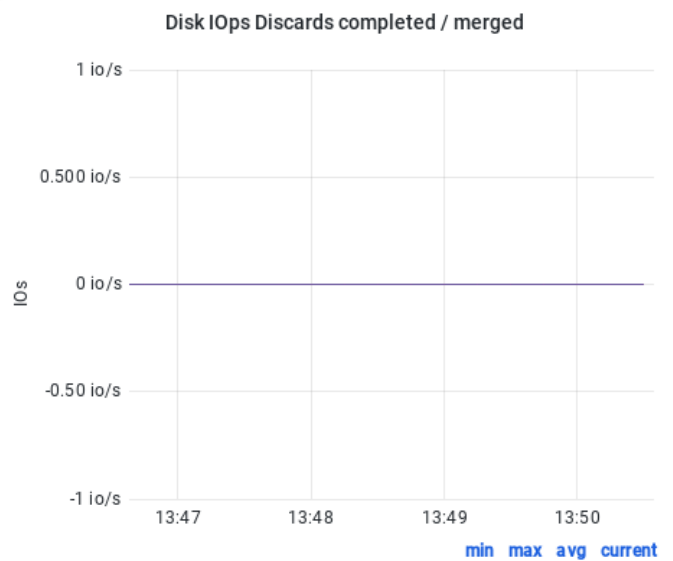
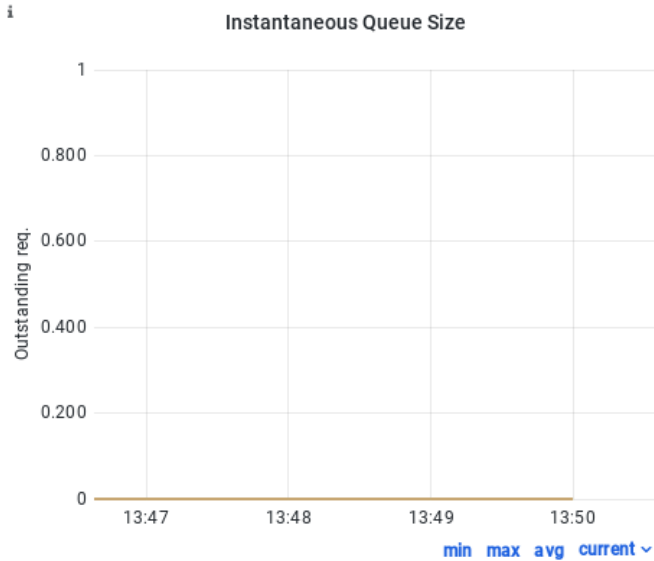
Systemd Sockets



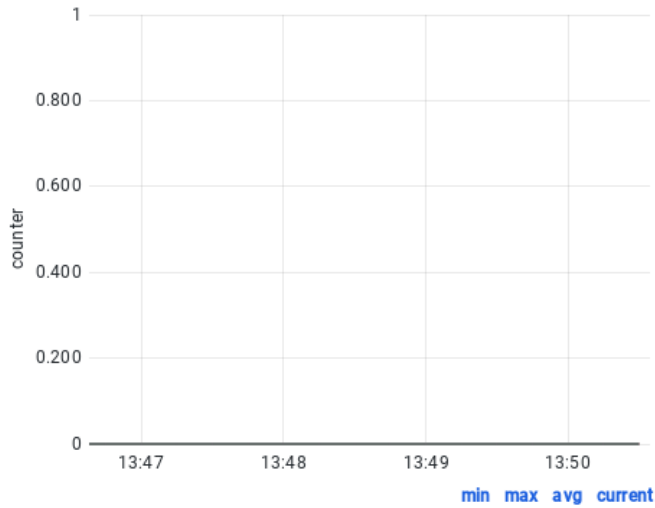
Systemd Units State



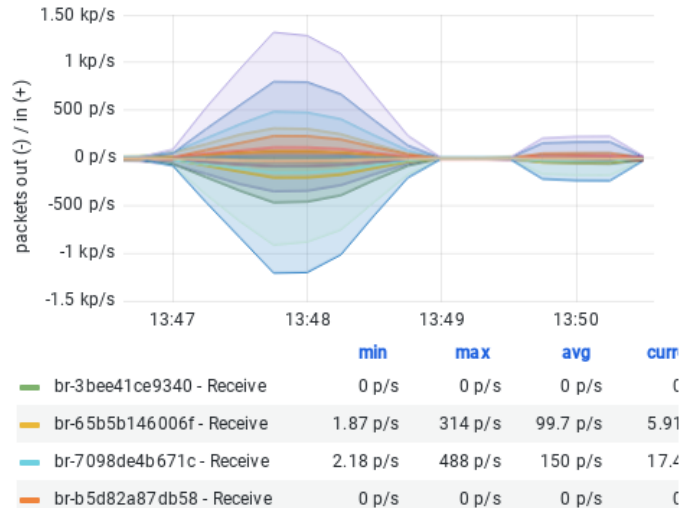




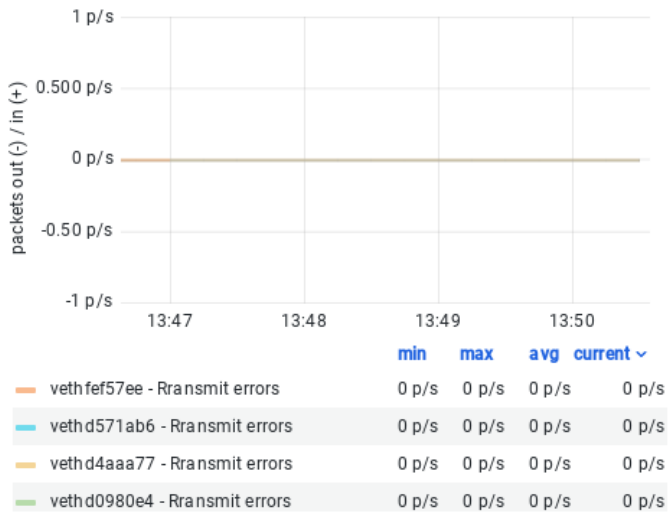
Filesystem in ReadOnly / Error



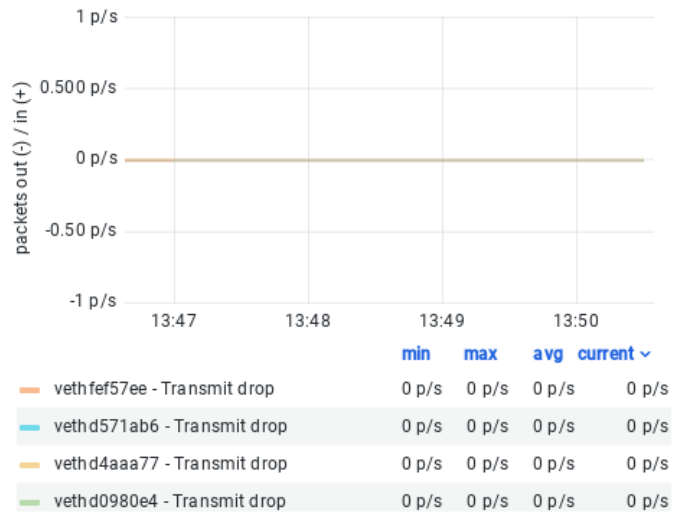
Network Traffic by Packets



Network Traffic Errors



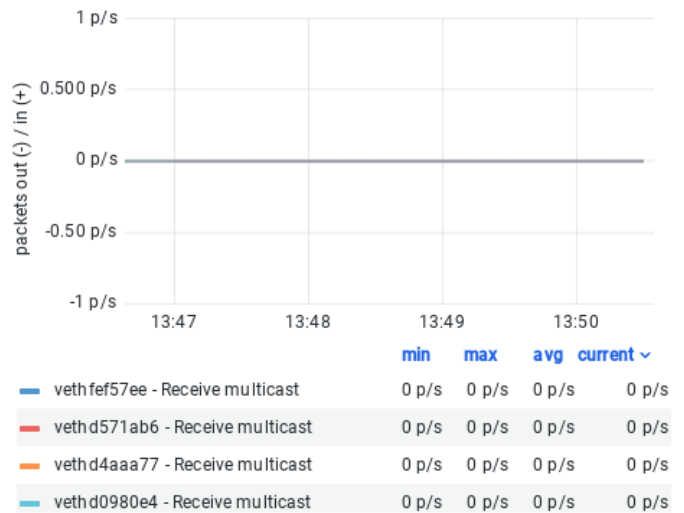
Network Traffic Drop



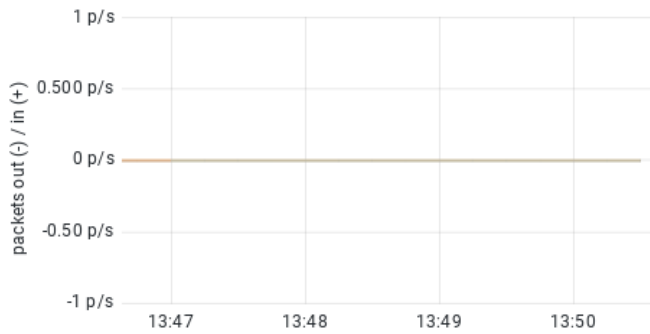
Network Traffic Compressed



Network Traffic Multicast

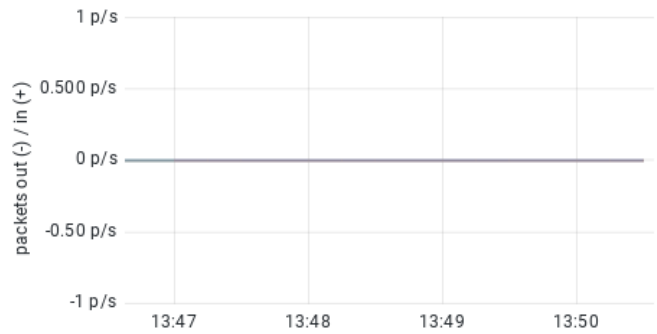


Network Traffic Fifo



	min	max	avg	current
vethfef57ee - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethd571ab6 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethd4aaa77 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethd0980e4 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



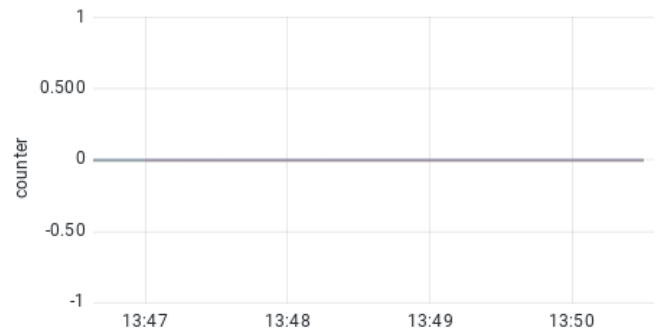
	min	max	avg	current
vethfef57ee - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethd571ab6 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethd4aaa77 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethd0980e4 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



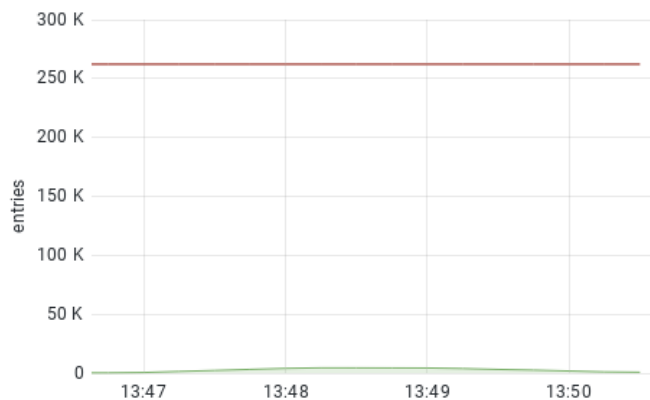
	min	max	avg	current
vethfef57ee - Statistic transmit_carrier	0	0	0	0
vethd571ab6 - Statistic transmit_carrier	0	0	0	0
vethd4aaa77 - Statistic transmit_carrier	0	0	0	0
vethd0980e4 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



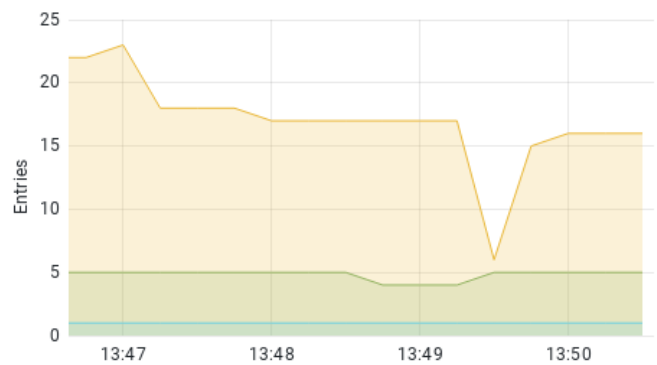
	min	max	avg	current
vethfef57ee - Transmit colls	0	0	0	0
vethd571ab6 - Transmit colls	0	0	0	0
vethd4aaa77 - Transmit colls	0	0	0	0
vethd0980e4 - Transmit colls	0	0	0	0

NF Contrack



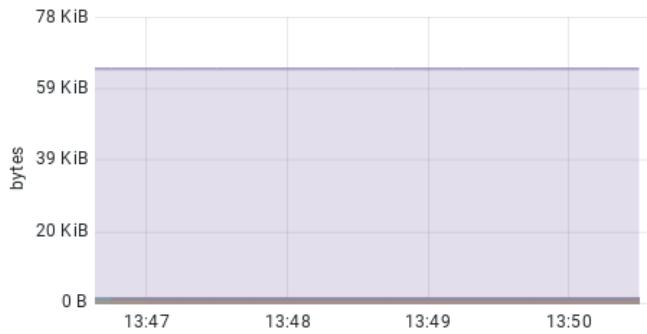
	min	max	avg	current
NF conntrack entries	220	4.47 K	2.50 K	764
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



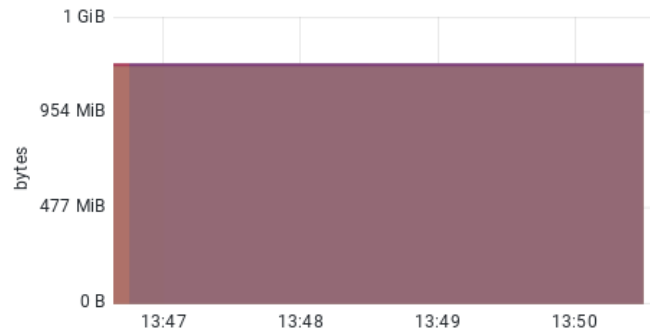
	min	max	avg	current
br-65b5b146006f - ARP entries	4	5	4.82	5
br-7098de4b671c - ARP entries	6	23	17.2	16
ens3 - ARP entries	1	1	1	1

MTU



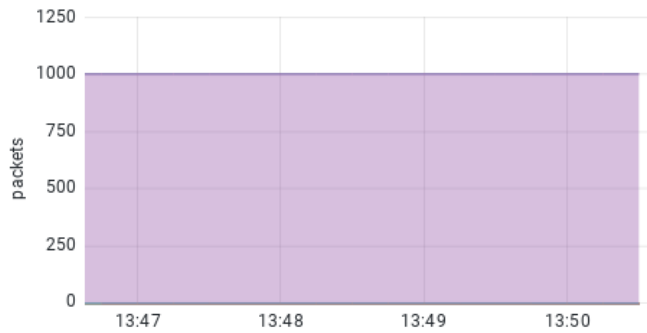
	min	max	avg	current
br-3bee41ce9340 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-65b5b146006f - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7098de4b671c - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-b5d82a87db58 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



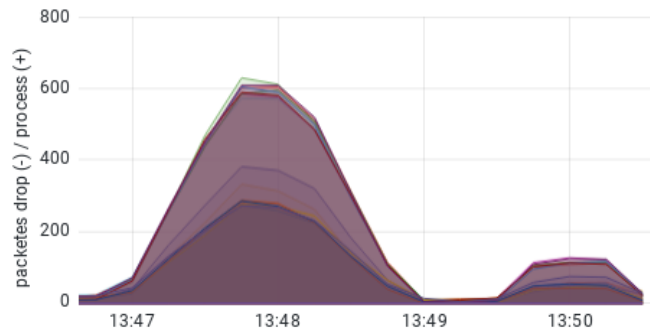
	min	max	avg	current
ens3 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
veth16fb4cb - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth19ed248 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth1b6be1f - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB

Queue Length



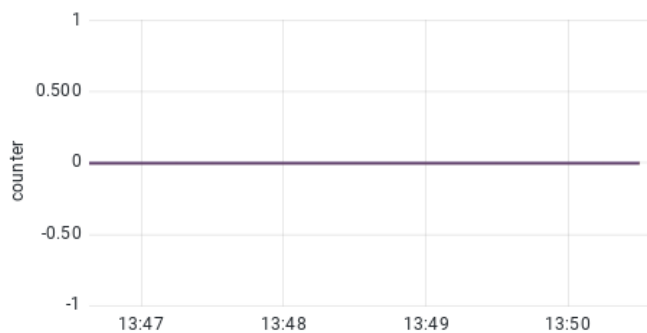
	min	max	a
br-3bee41ce9340 - Interface transmit queue length	0	0	
br-65b5b146006f - Interface transmit queue length	0	0	
br-7098de4b671c - Interface transmit queue length	0	0	
br-b5d82a87db58 - Interface transmit queue length	0	0	

Softnet Packets



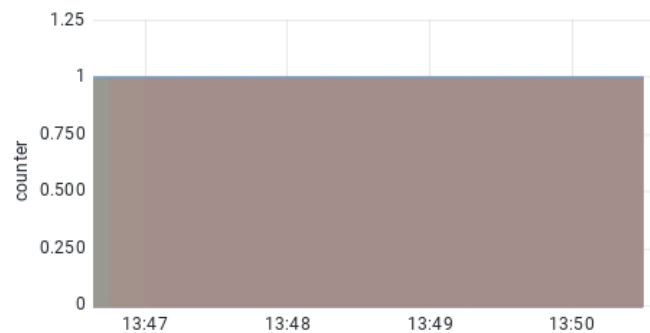
	min	max	avg	current
CPU 1 - Processed	7.27	332	100	34.2
CPU 4 - Processed	2.47	604	192	28.6
CPU 8 - Processed	3.11	609	199	28.1
CPU 10 - Processed	9.36	572	192	27.9

Softnet Out of Quota



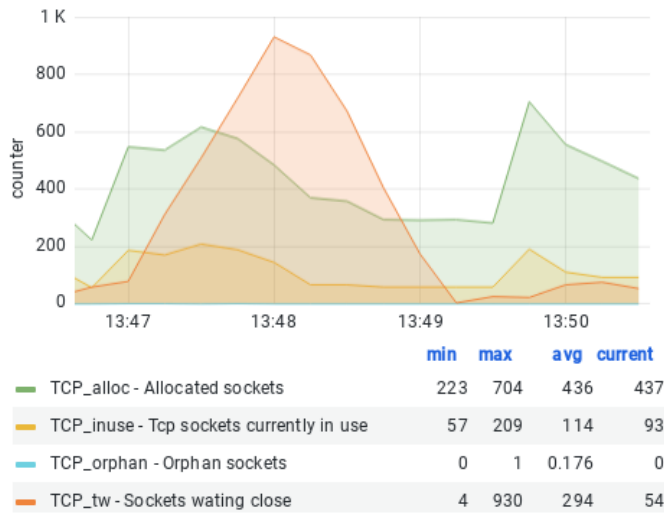
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status

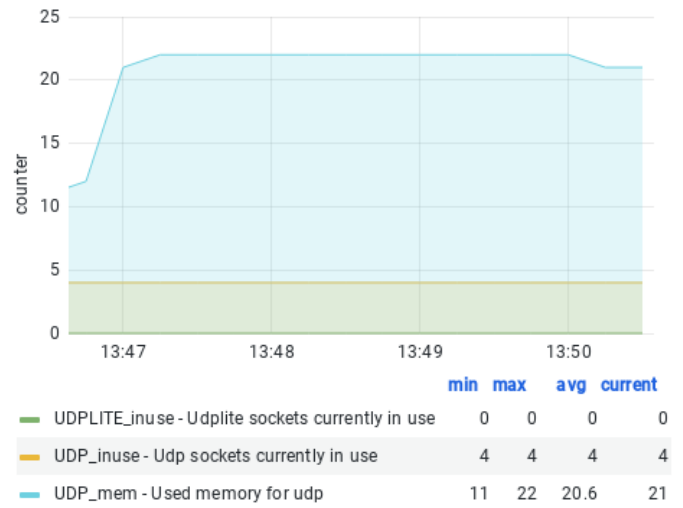


	min	max	avg	current
vethfef57ee - Physical link state	1	1	1	1
vethd571ab6 - Physical link state	1	1	1	1
vethd4aaa77 - Physical link state	1	1	1	1
vethd0980e4 - Physical link state	1	1	1	1

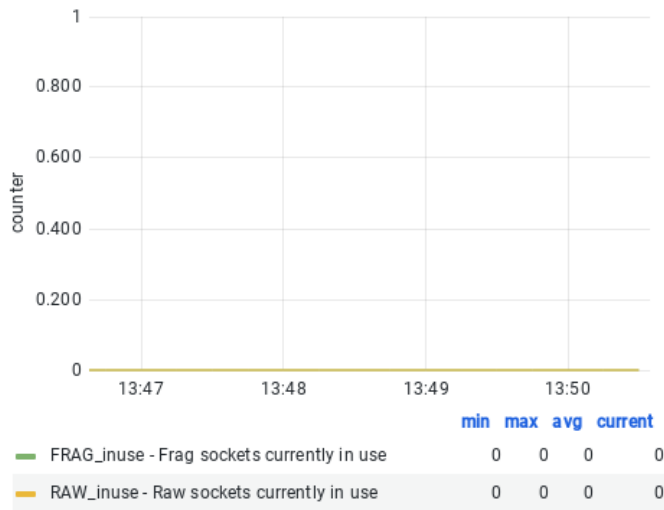
Sockstat TCP



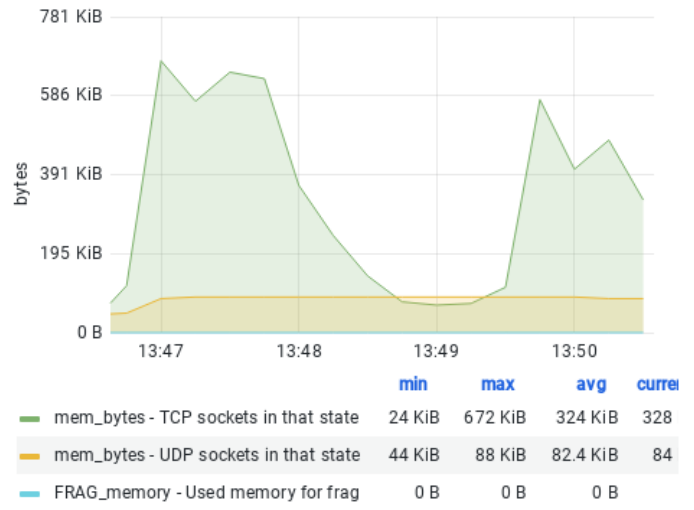
Sockstat UDP



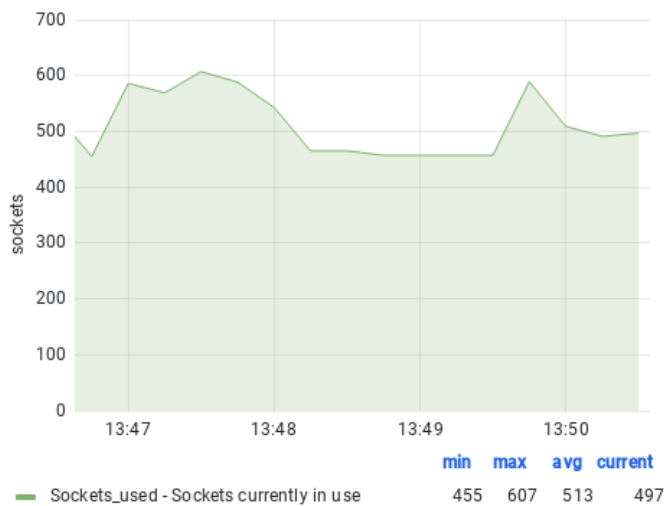
Sockstat FRAG / RAW



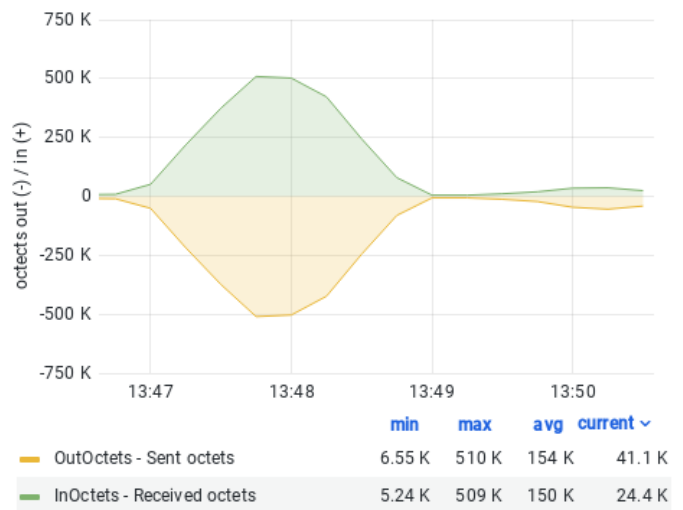
Sockstat Memory Size



Sockstat Used

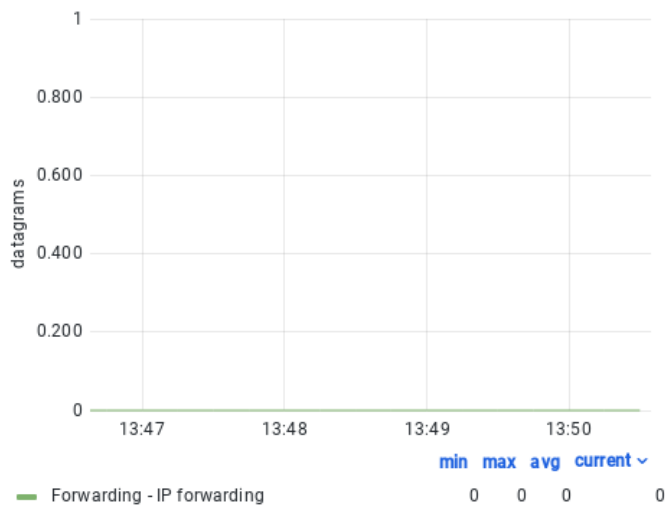


Netstat IP In / Out Octets

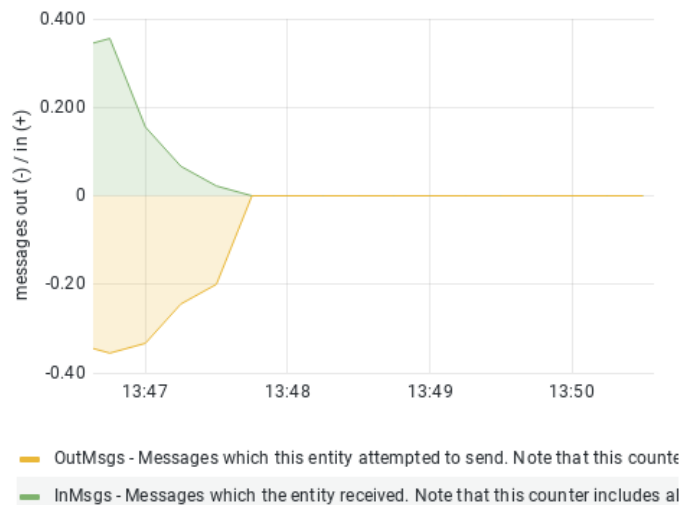




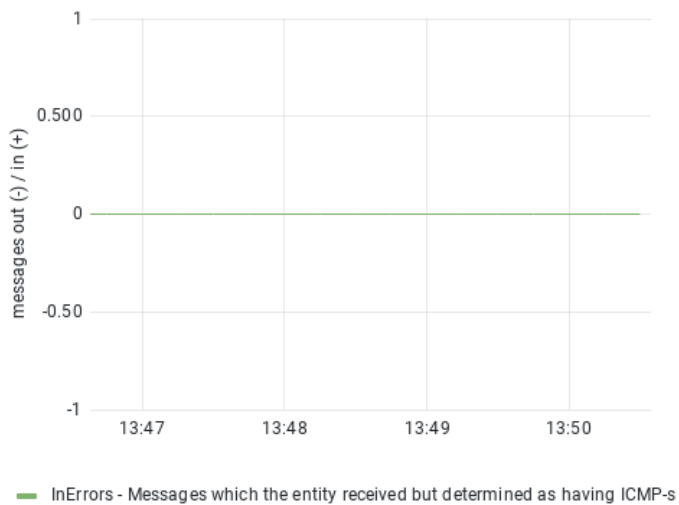
Netstat IP Forwarding



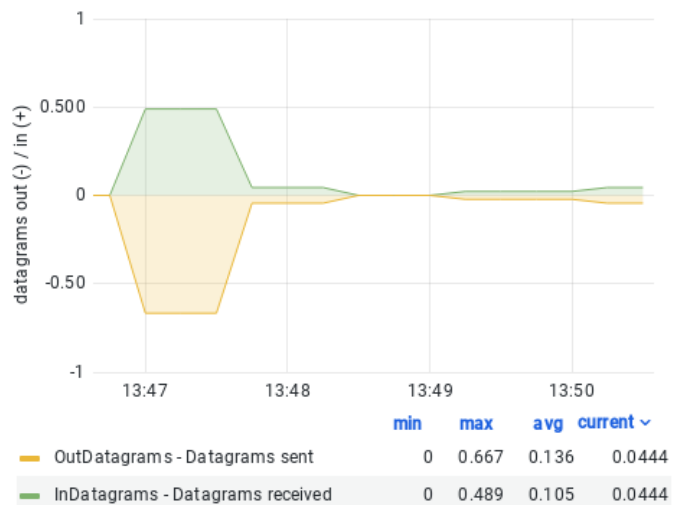
ICMP In / Out



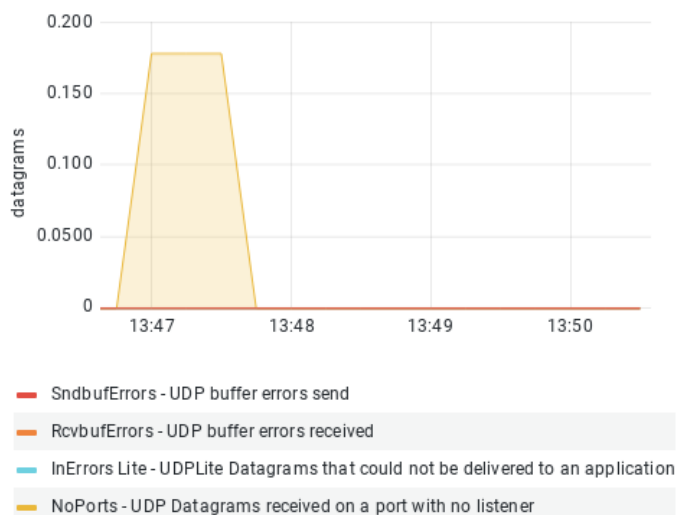
ICMP Errors



UDP In / Out



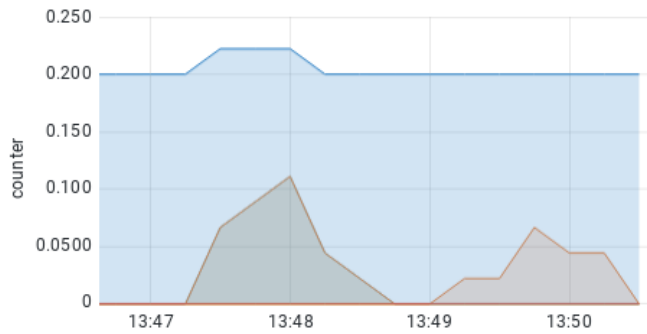
UDP Errors



TCP In / Out

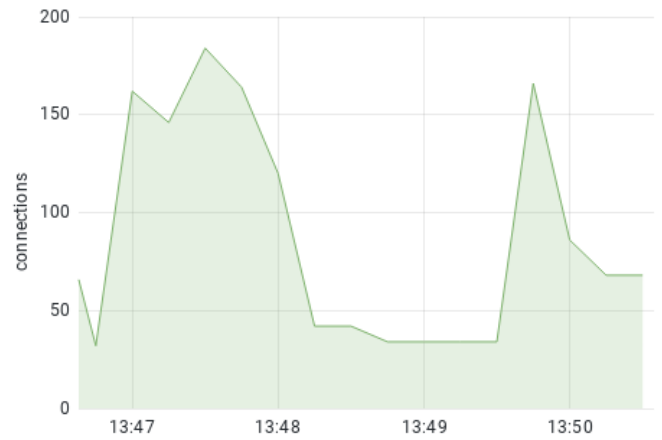


TCP Errors



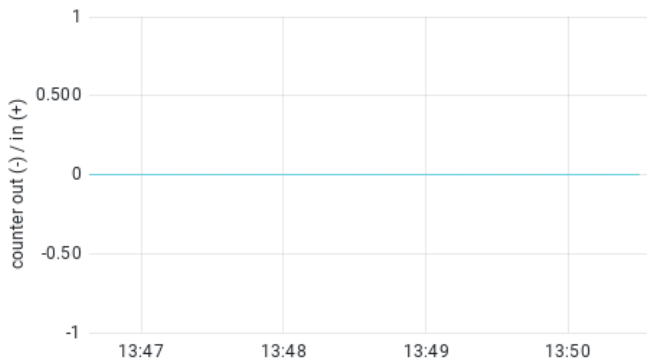
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



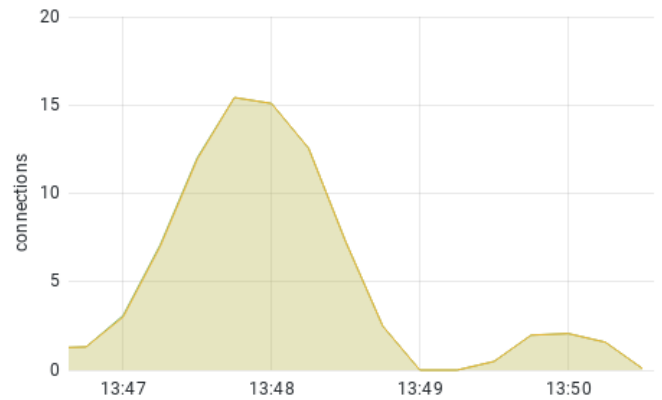
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



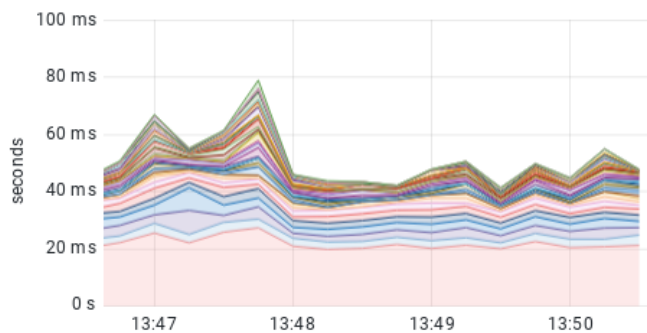
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



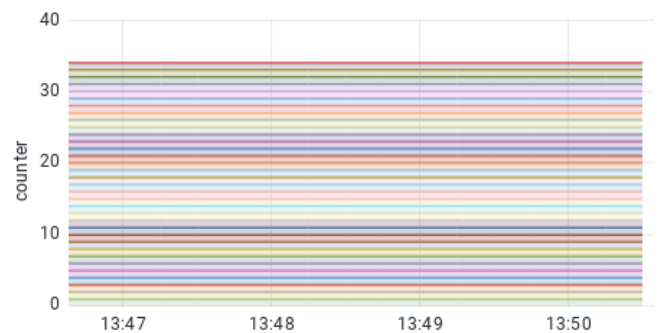
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	19.9 ms	27.4 ms	22.0 ms	21.3
netdev - Scrape duration	2.06 ms	3.60 ms	2.80 ms	3.60
diskstats - Scrape duration	1.76 ms	8.38 ms	3.20 ms	2.60
cpu - Scrape duration	2.05 ms	7.91 ms	3.14 ms	2.20

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