

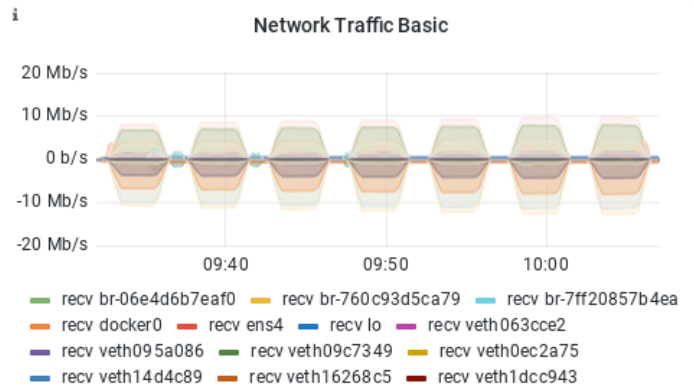
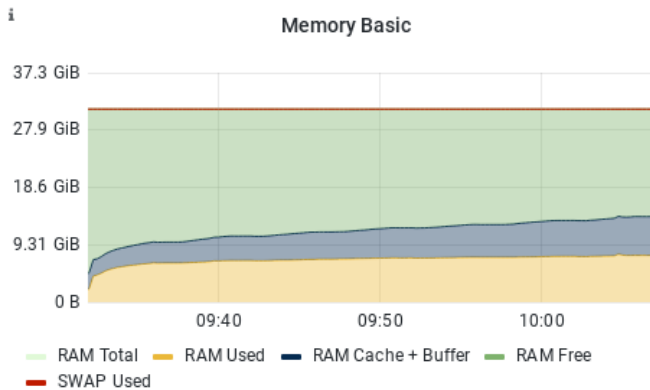
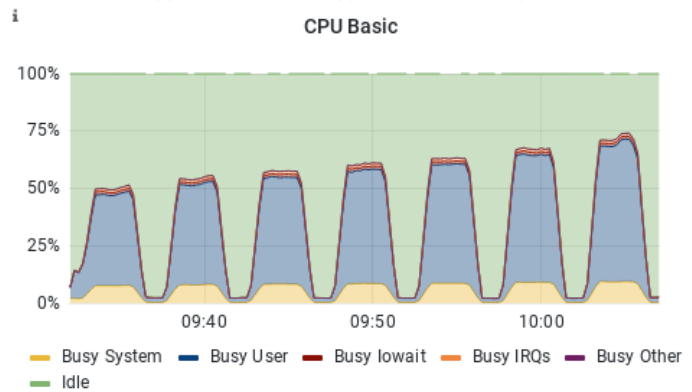
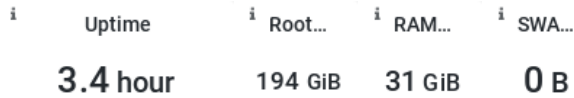
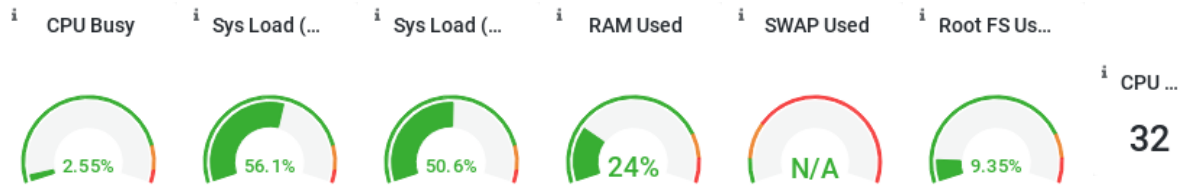
# Host Metrics

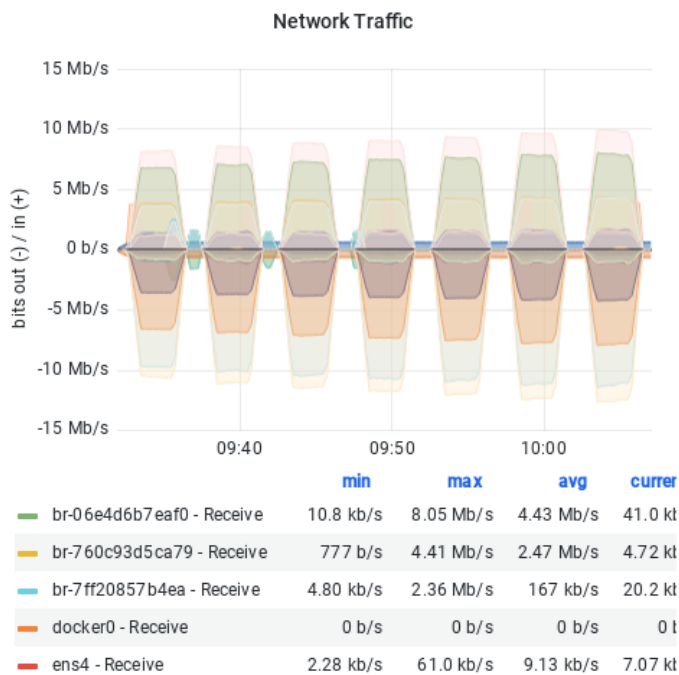
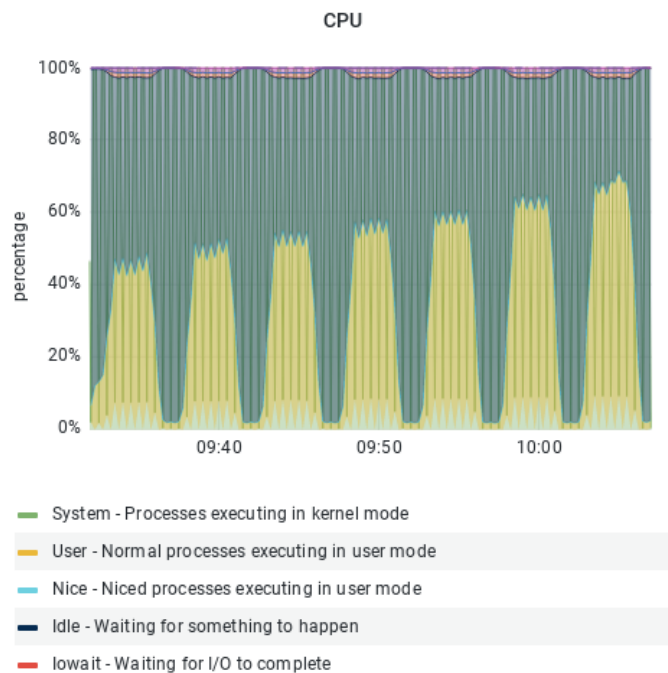
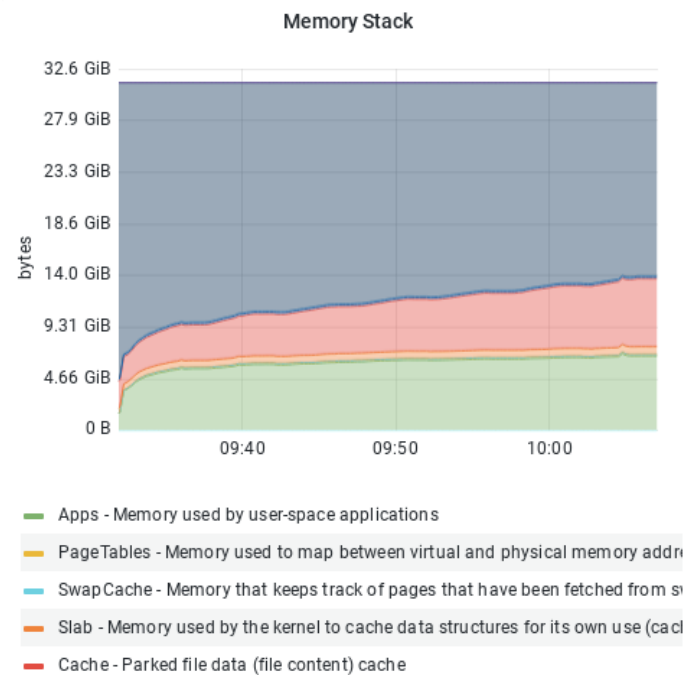
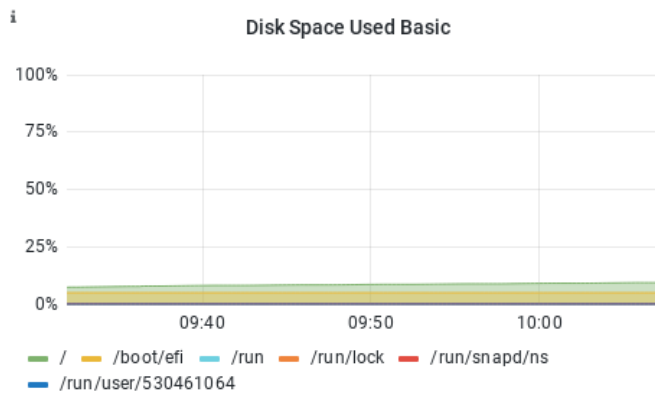
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Sun Feb 20 09:31:55 UTC 2022

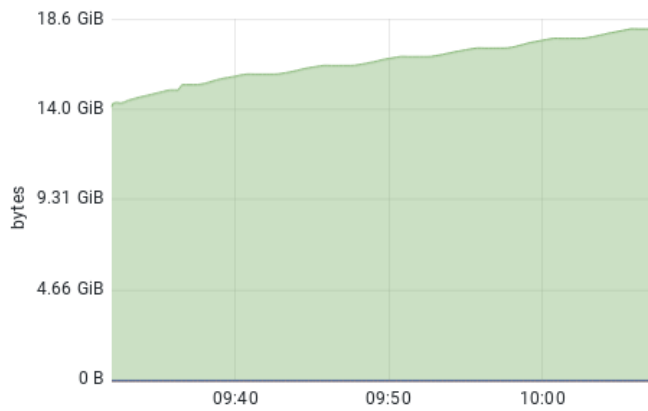
to

Sun Feb 20 10:07:04 UTC 2022



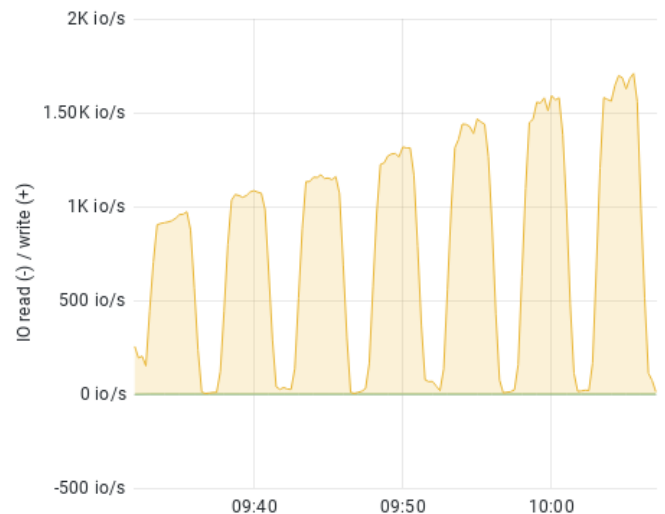


Disk Space Used



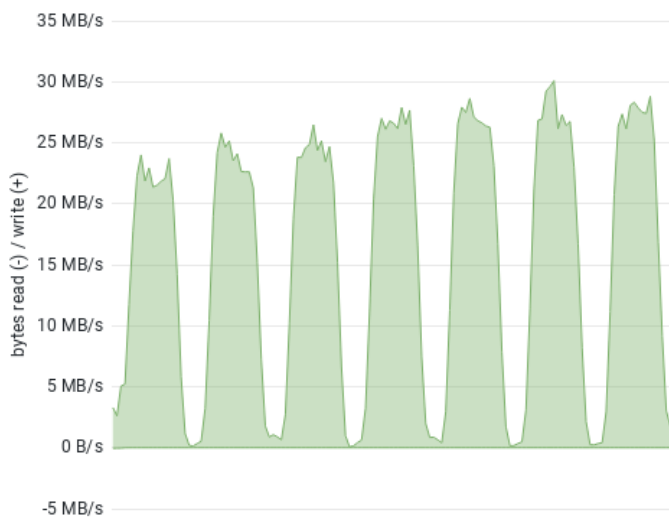
	min	max	avg	current ^
/run/lock	0 B	0 B	0 B	0 B
/run/user/530461064	0 B	4.000 KiB	3.606 KiB	4.000 KiB
/run	2.082 MiB	4.207 MiB	4.191 MiB	4.207 MiB
/run/snapd/ns	2.082 MiB	4.207 MiB	4.191 MiB	4.207 MiB
/boot/efi	5.196 MiB	5.196 MiB	5.196 MiB	5.196 MiB

Disk IOps



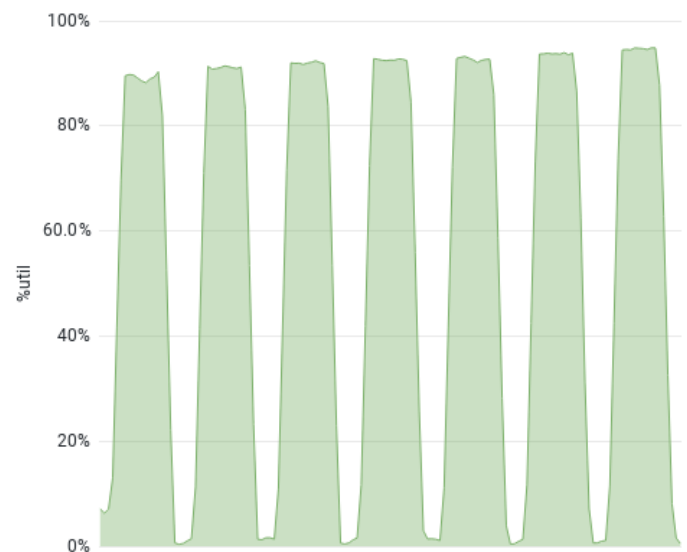
	min	max	avg	current
sda - Reads completed	0 io/s	0.897 io/s	0.0281 io/s	0 io/s
sda - Writes completed	3.53 io/s	1.71K io/s	785 io/s	11.8 io/s

I/O Usage Read / Write



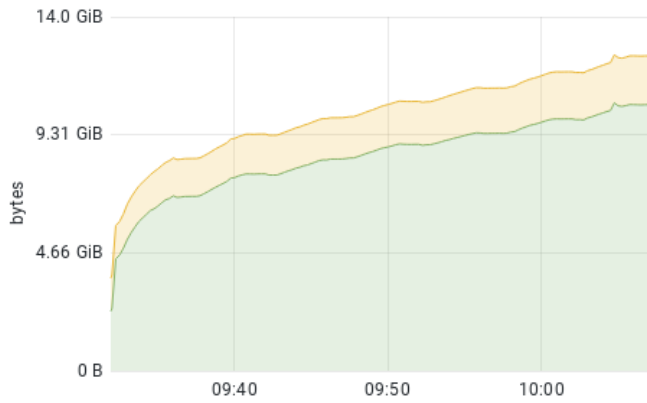
	min	max	avg
sda - Successfully read bytes	0 B/s	51.418 kB/s	1.002 kB/s
sda - Successfully written bytes	67.265 kB/s	30.083 MB/s	15.721 MB/s

I/O Utilization



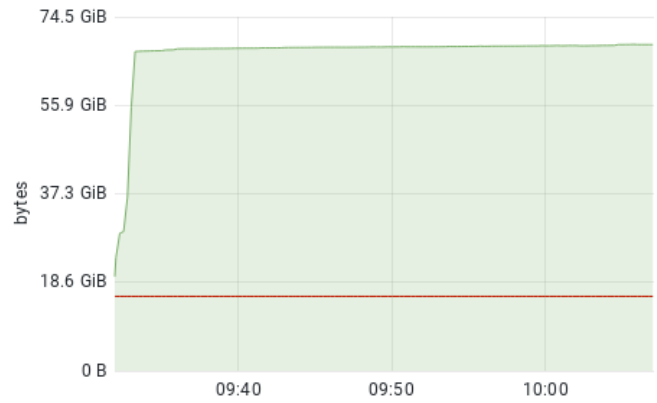
	min	max	avg	current
sda	0.382%	94.827%	56.319%	0.516%

### Memory Active / Inactive



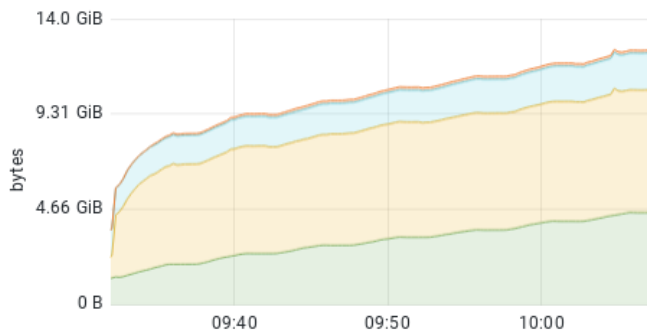
— Inactive - Memory which has been less recently used. It is more eligible to be re
 — Active - Memory that has been used more recently and usually not reclaimed u

### Memory Committed



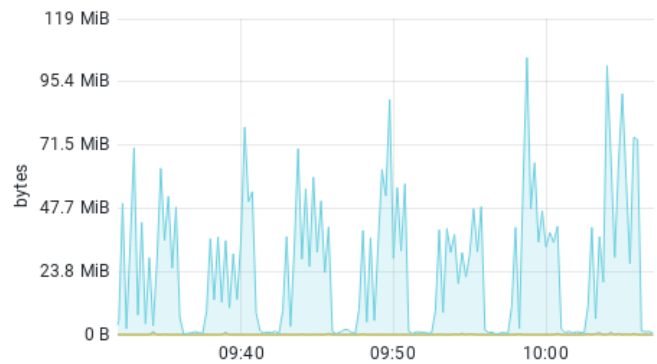
— Committed\_AS - Amount of memory presently allocated on the system
 — CommitLimit - Amount of memory currently available to be allocated on the sy

### 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)

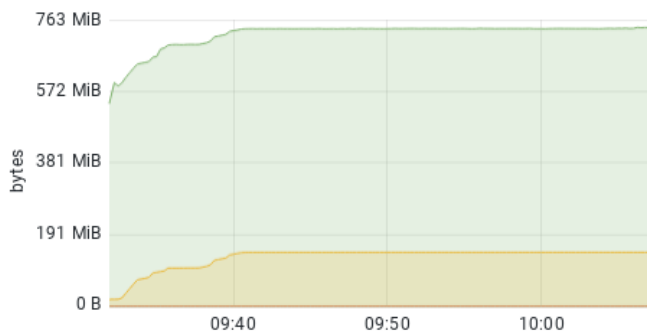
### Memory Writeback and Dirty



— 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

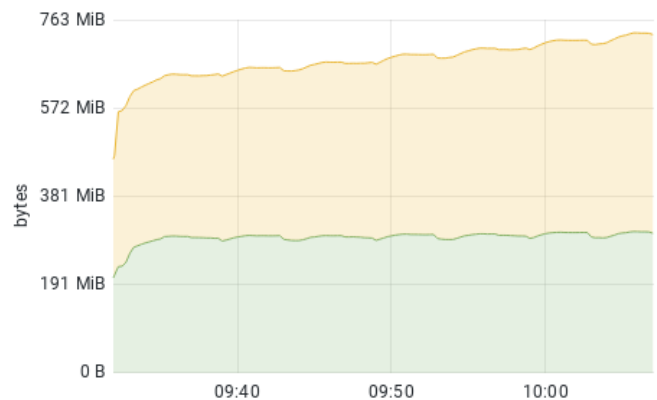
128.

### 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

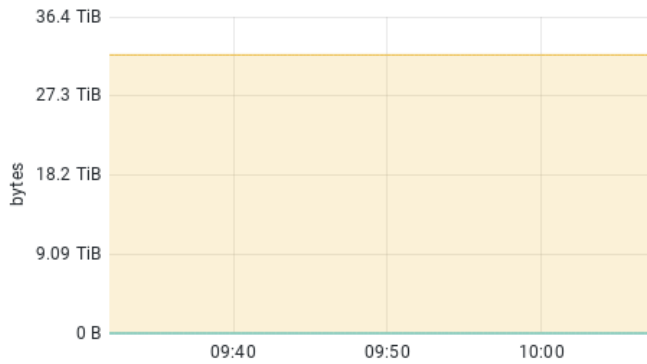


— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches

19

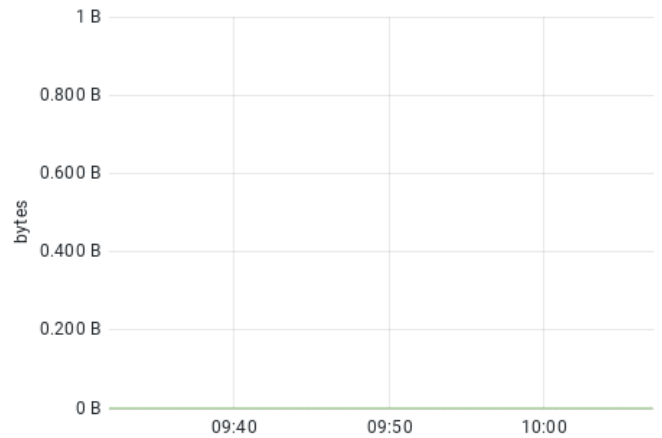
25

Memory Vmalloc



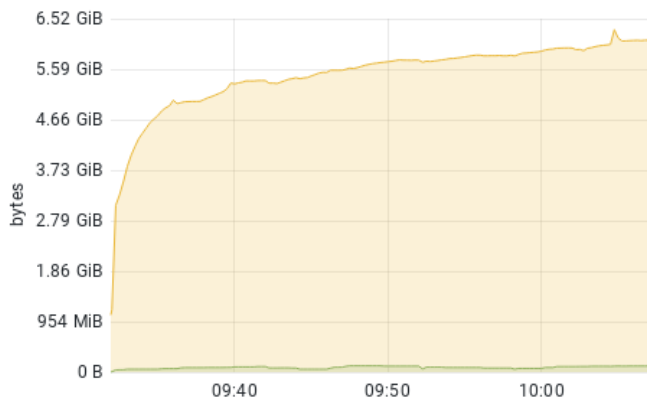
VmallocChunk - Largest contiguous block of vmalloc area which is free	
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	37.2

Memory Bounce



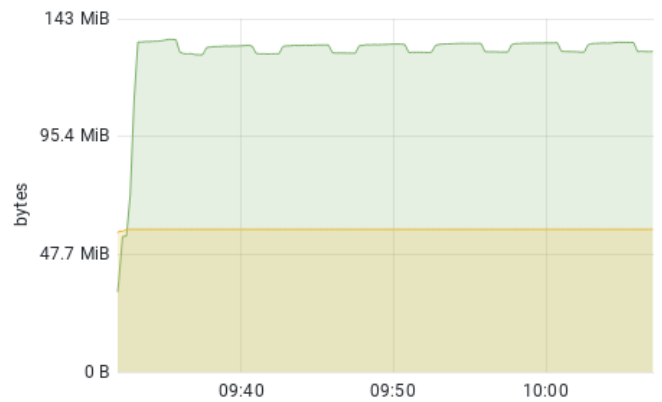
Bounce - Memory used for block device bounce buffers	0 B	0 B	0 B
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Memory Anonymous



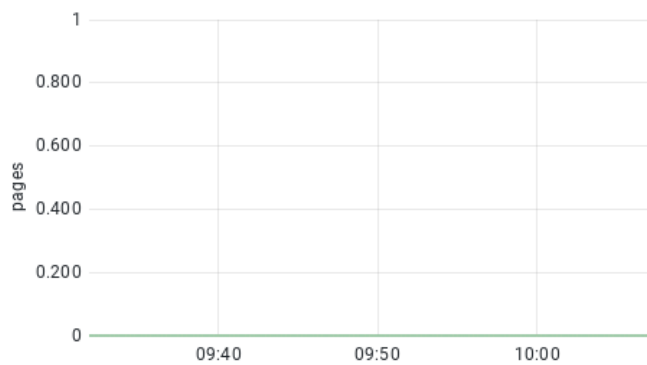
AnonHugePages - Memory in anonymous huge pages	2.00 MiB	118.0
AnonPages - Memory in user pages not backed by files	849.55 MiB	6.3

Memory Kernel / CPU



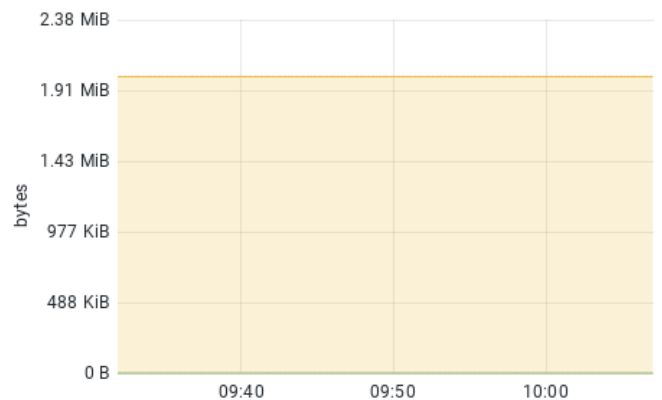
KernelStack - Kernel memory stack. This is not reclaimable	22.0
PerCPU - Per CPU memory allocated dynamically by loadable modules	54.3

Memory HugePages Counter



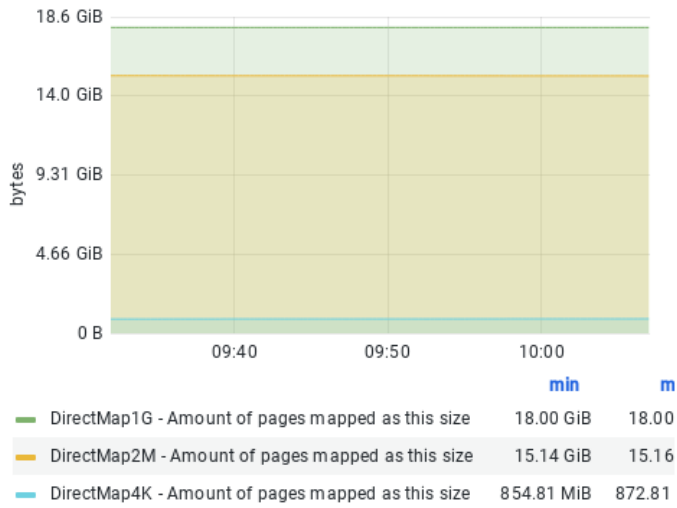
HugePages_Free - Huge pages in the pool that are not yet allocated	
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	

Memory HugePages Size

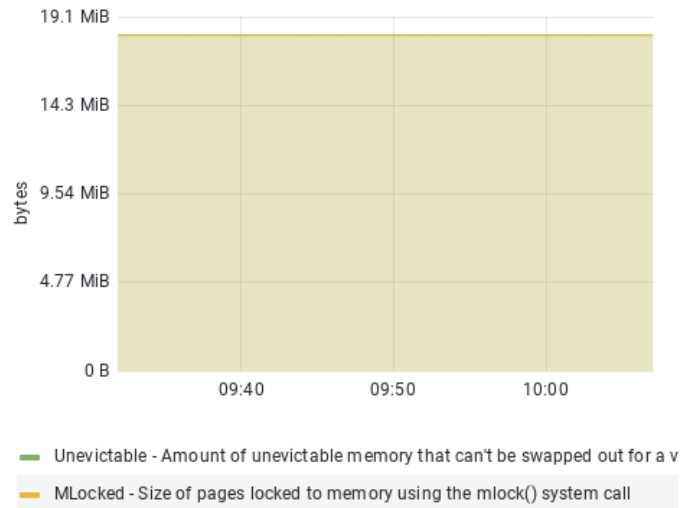


	min	max	cu
<div><div></div><div>HugePages - Total size of the pool of huge pages</div></div>	0 B	0 B	
<div><div></div><div>Hugepagesize - Huge Page size</div></div>	2.00 MiB	2.00 MiB	2.1

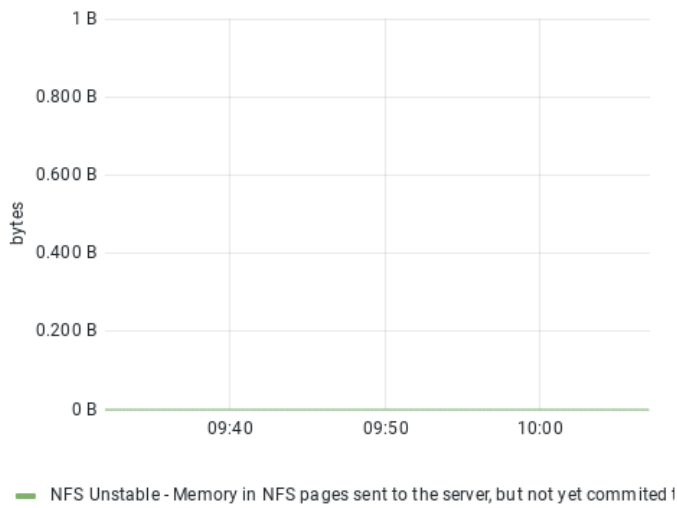
Memory DirectMap



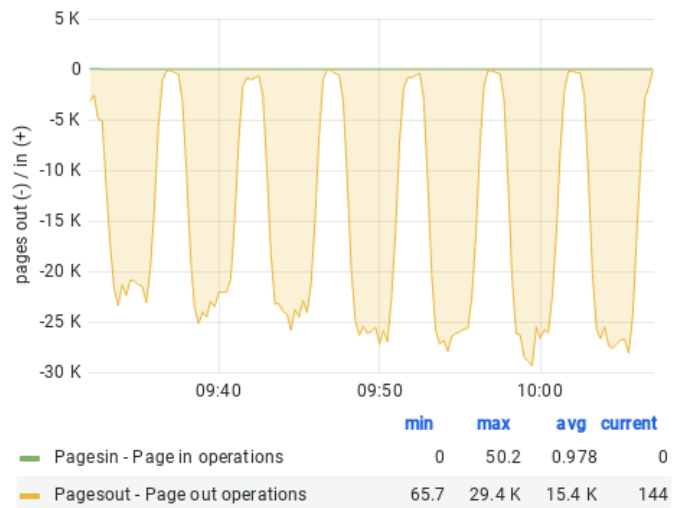
Memory Unevictable and MLocked



Memory NFS



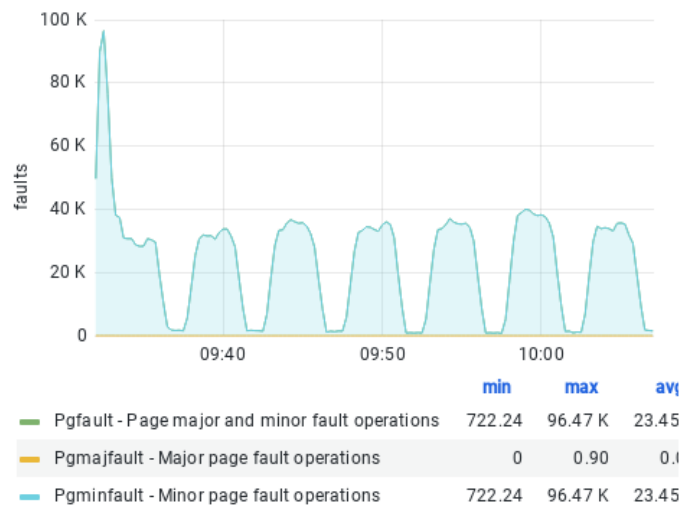
Memory Pages In / Out

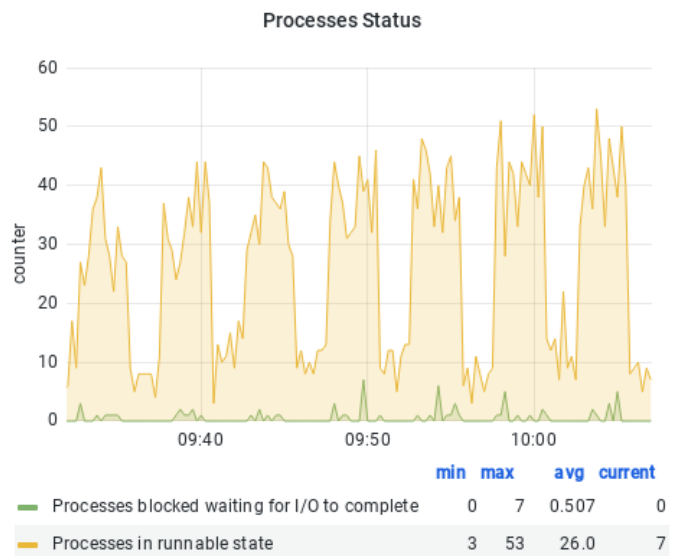
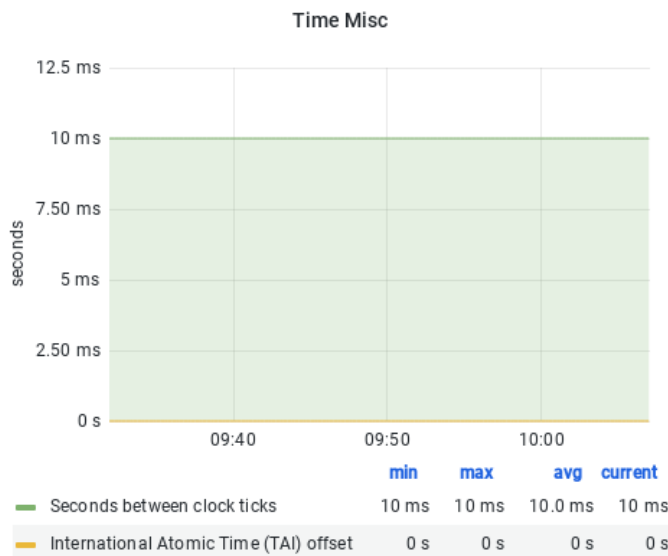
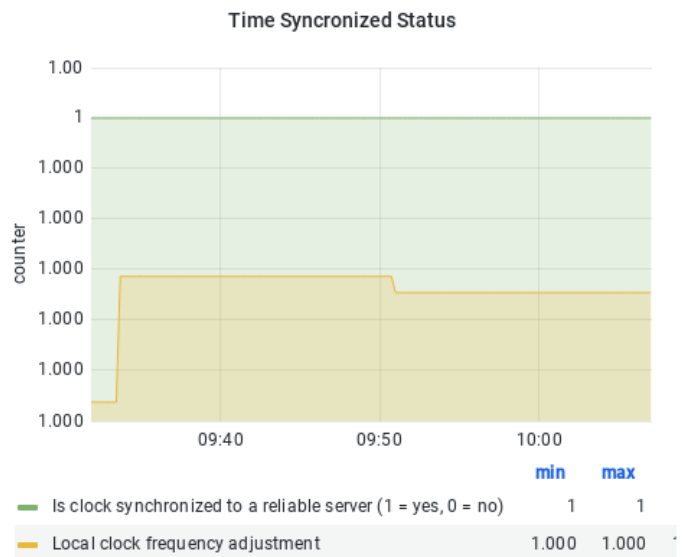
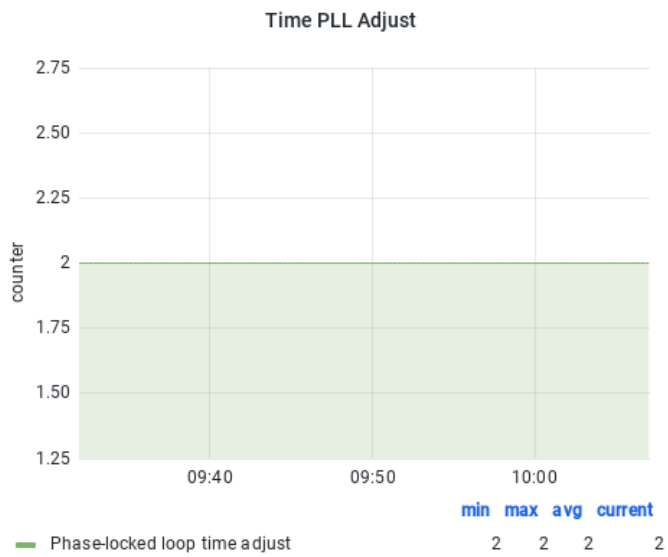
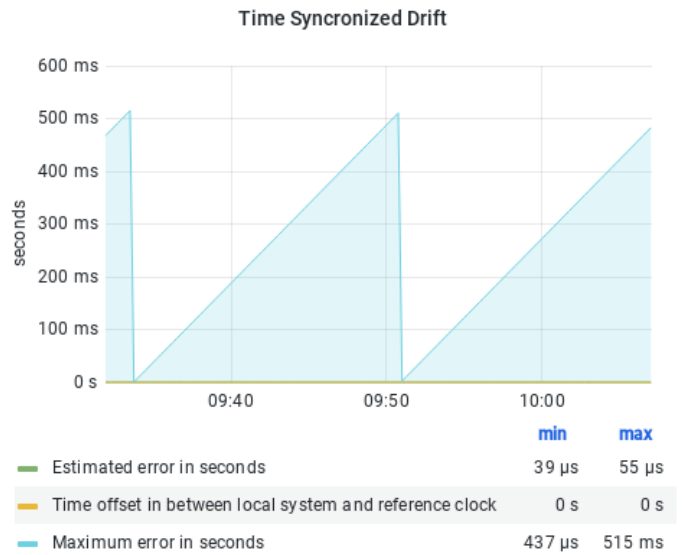
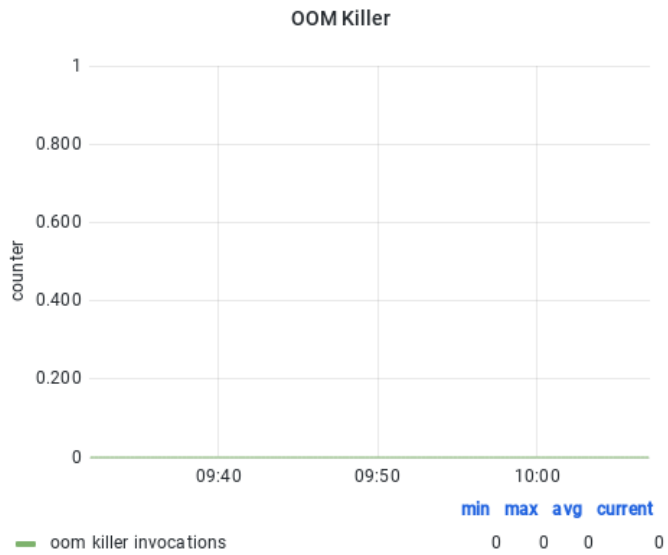


Memory Pages Swap In / Out

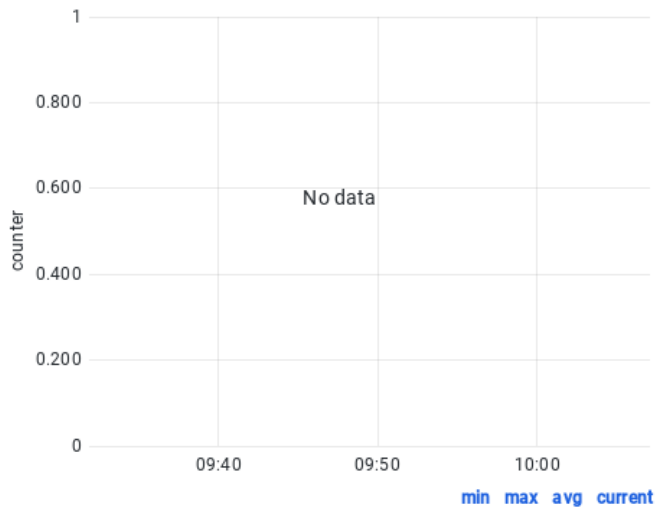


Memory Page Faults

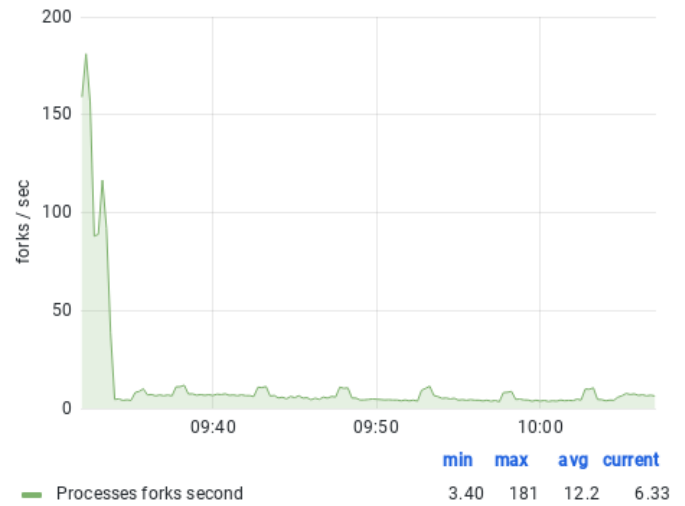




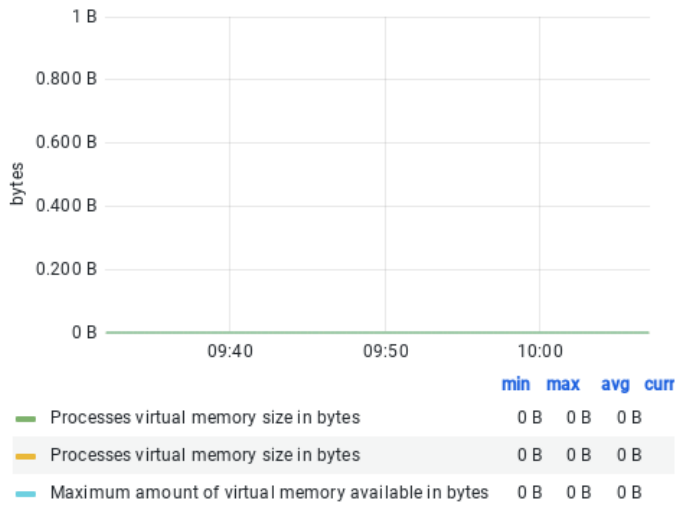
Processes State



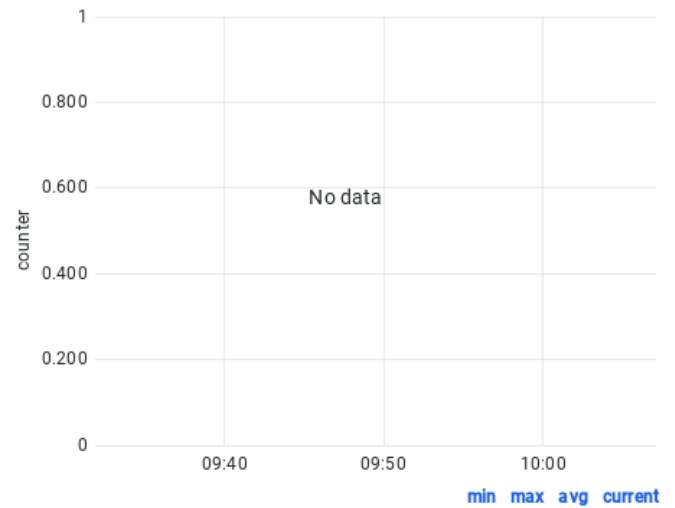
Processes Forks



Processes Memory



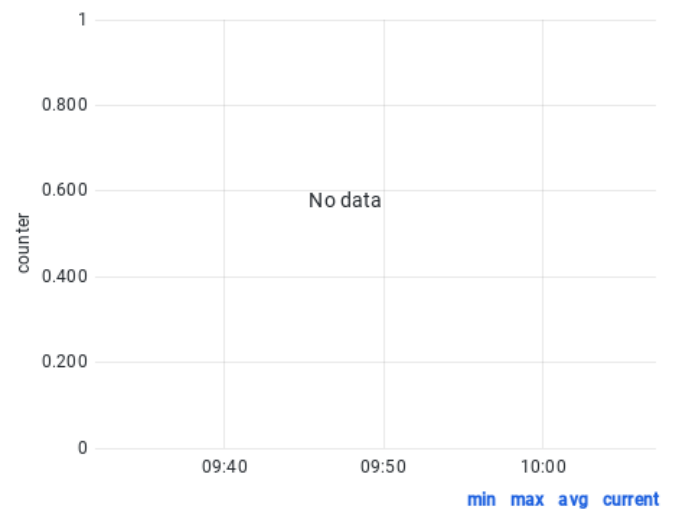
PIDs Number and Limit



Process schedule stats Running / Waiting

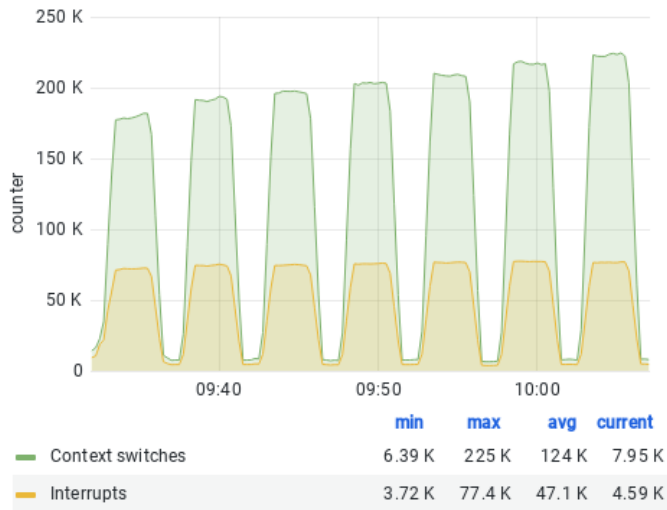


Threads Number and Limit

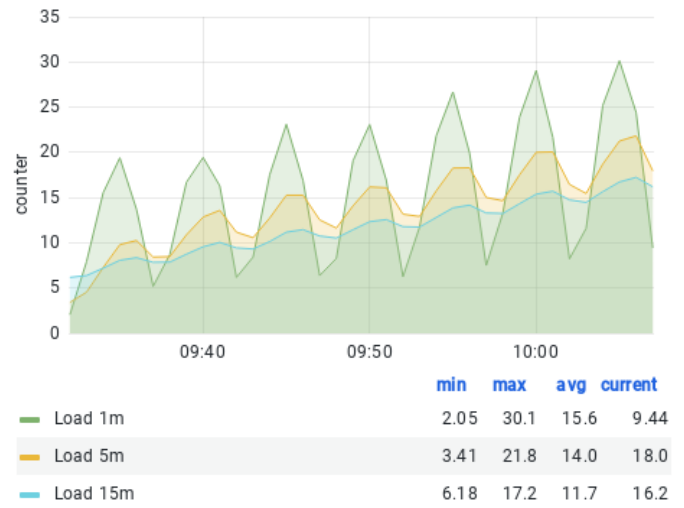




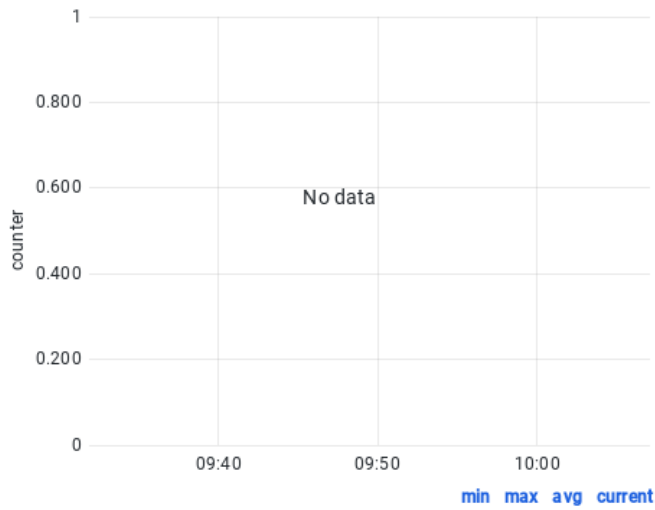
Context Switches / Interrupts



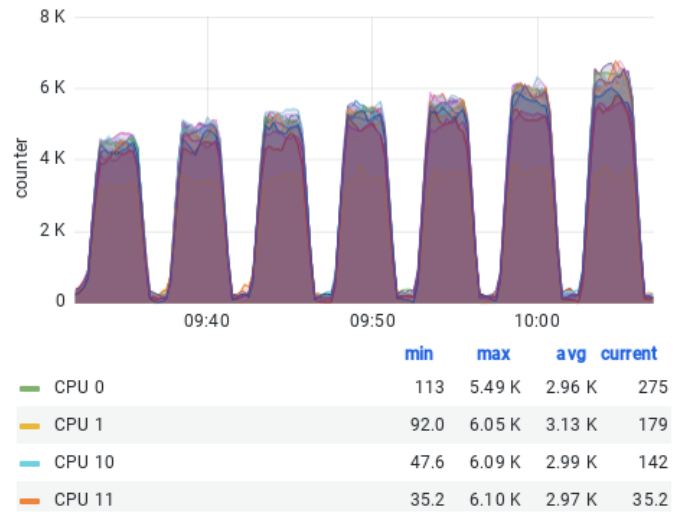
System Load



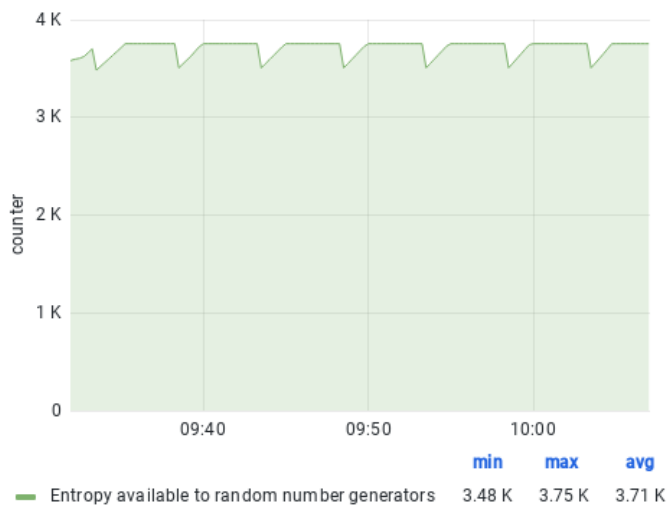
Interrupts Detail



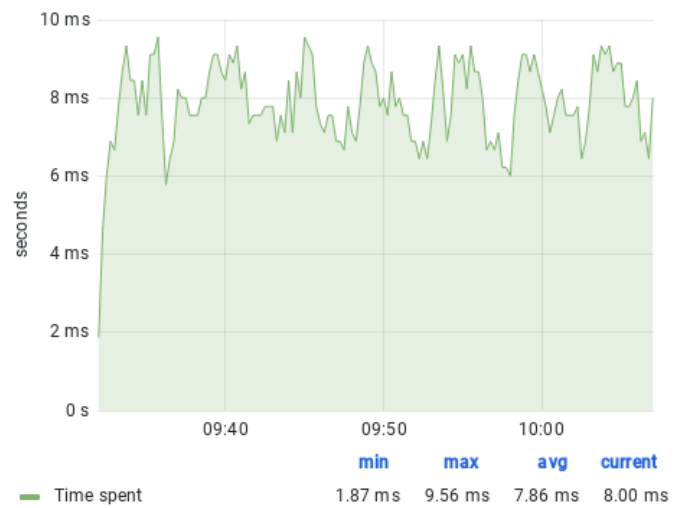
Schedule timeslices executed by each cpu



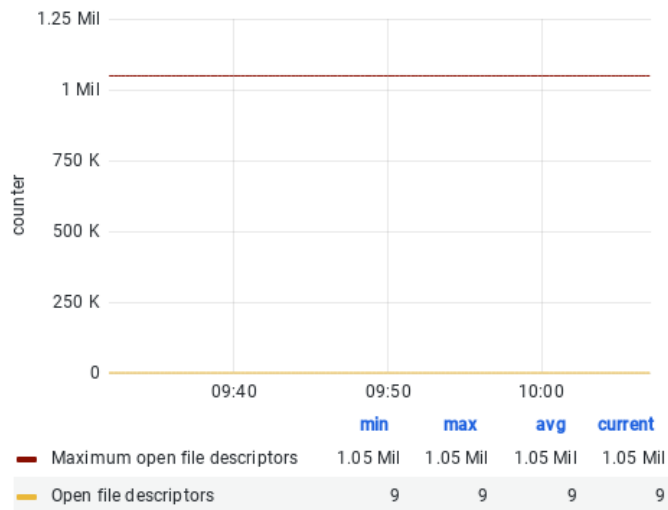
Entropy



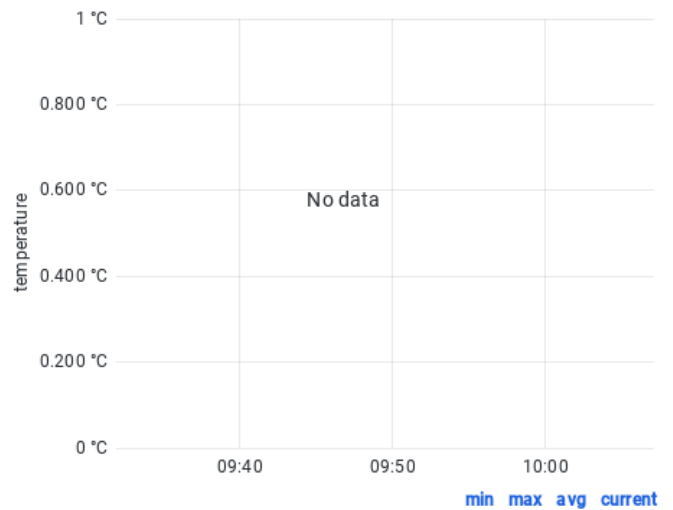
CPU time spent in user and system contexts



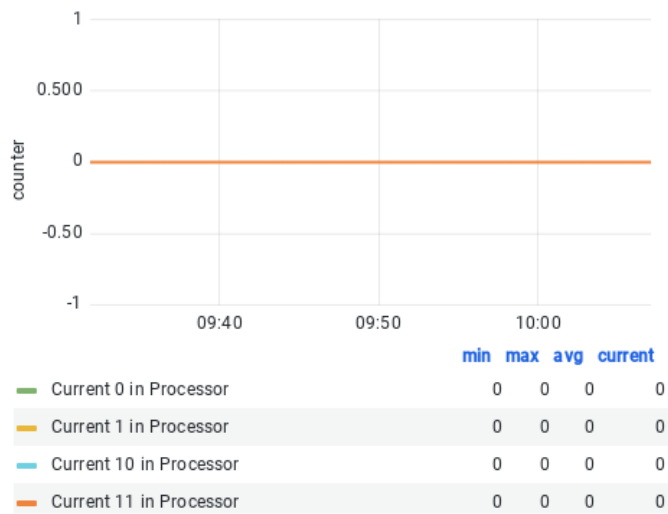
File Descriptors



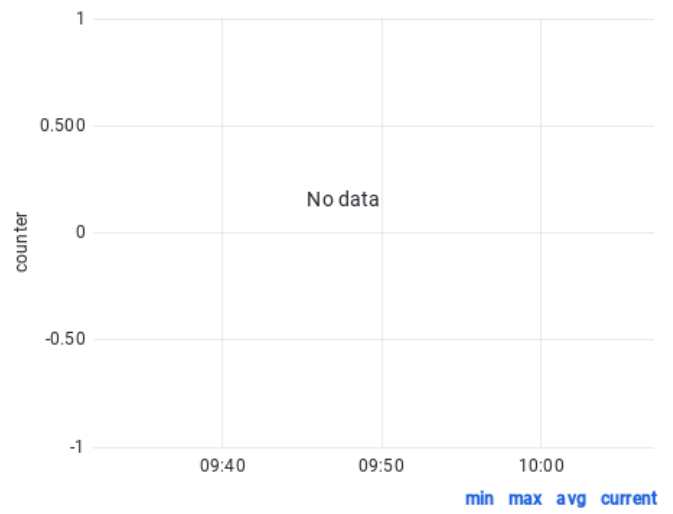
Hardware temperature monitor



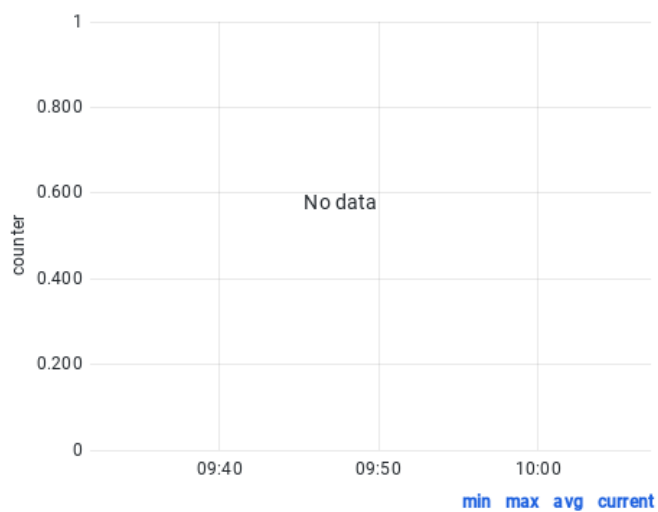
Throttle cooling device



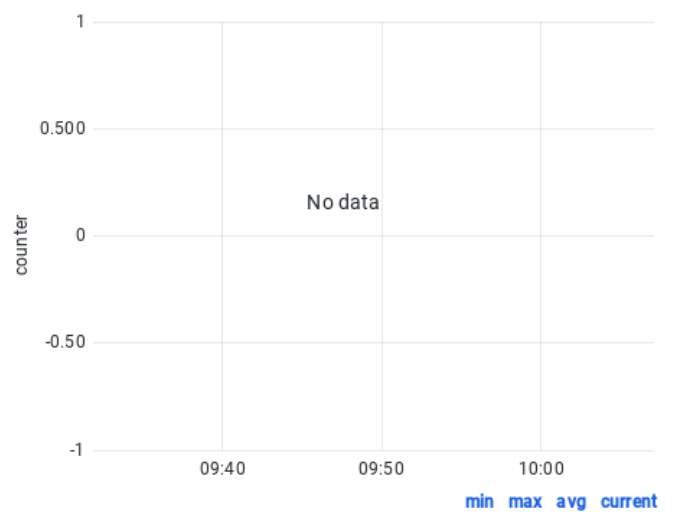
Power supply

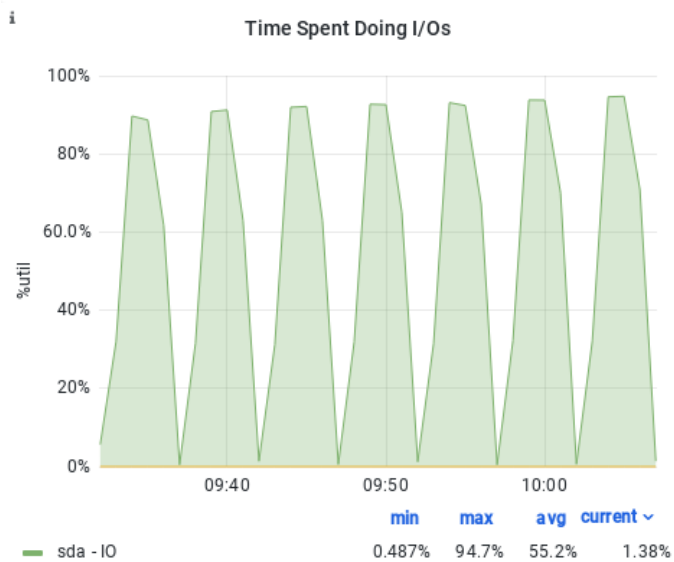
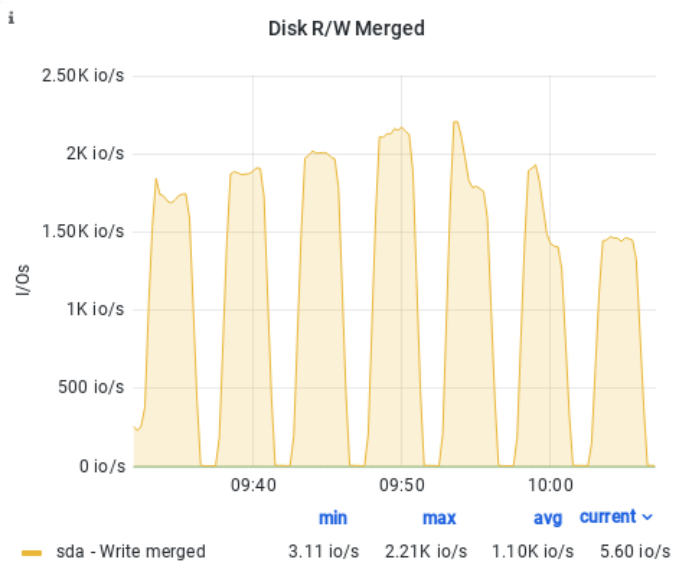
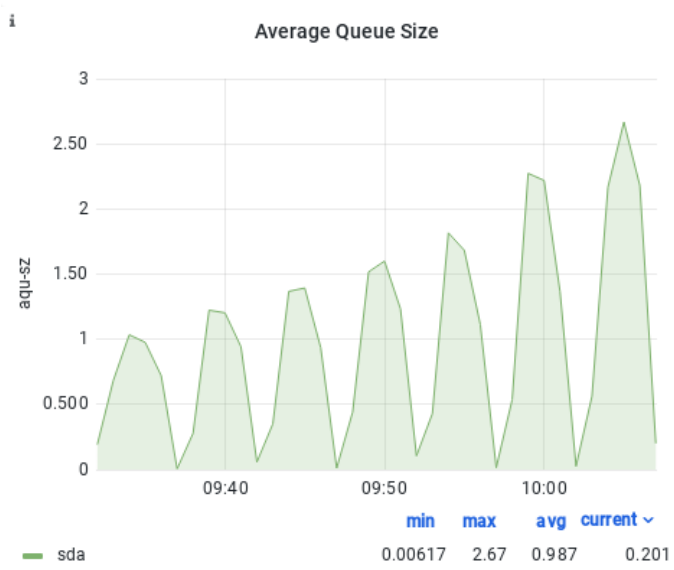
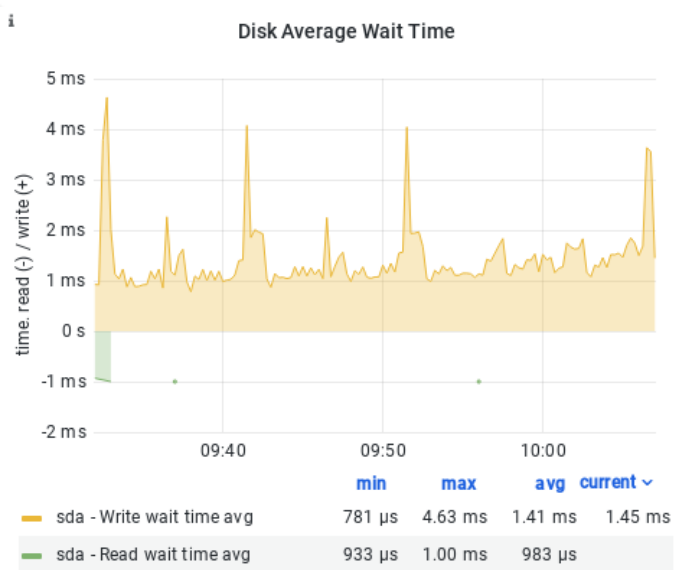
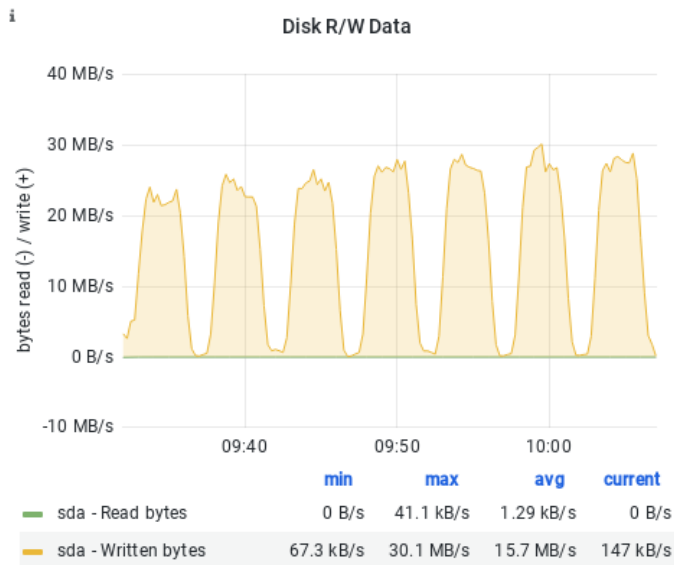
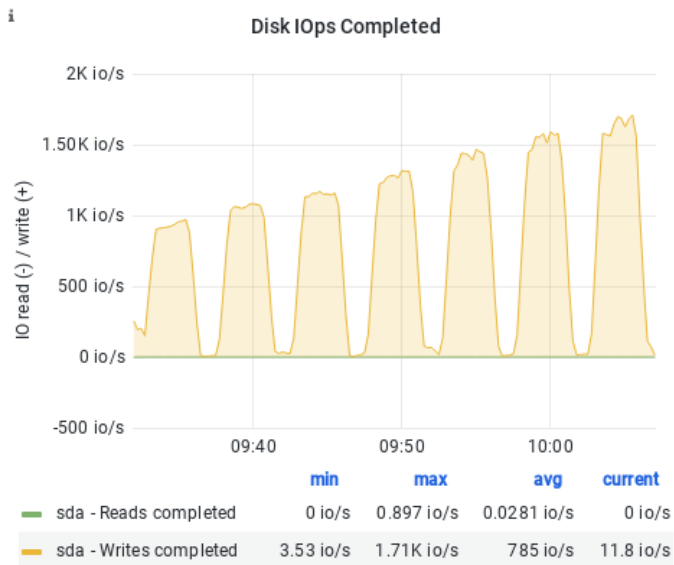


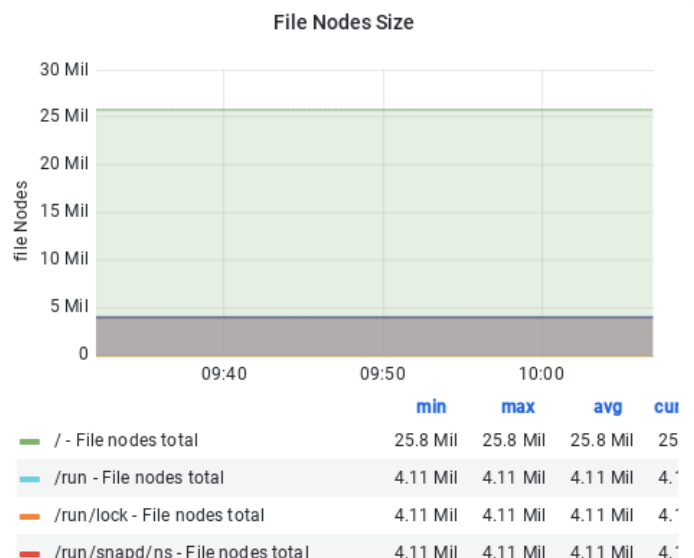
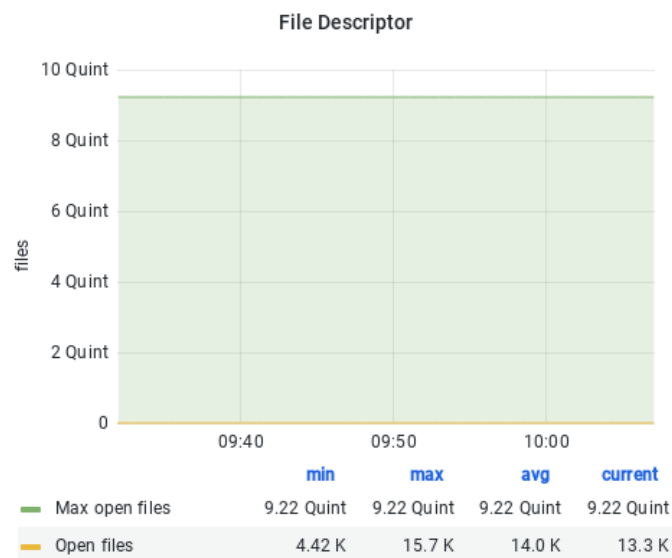
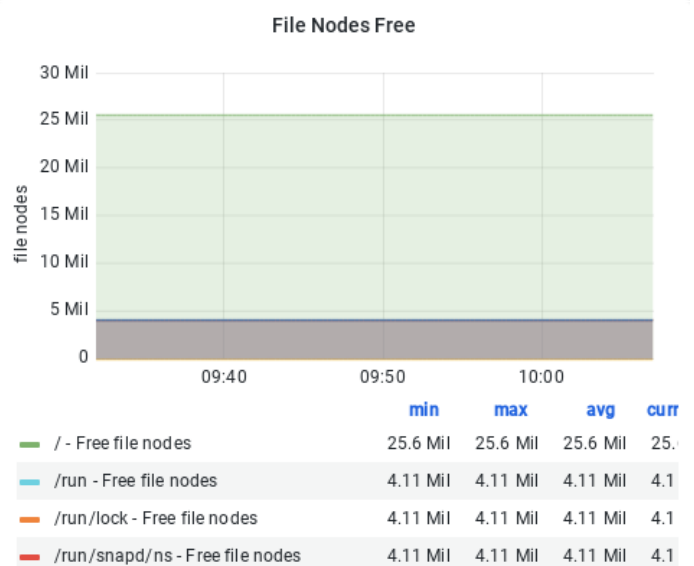
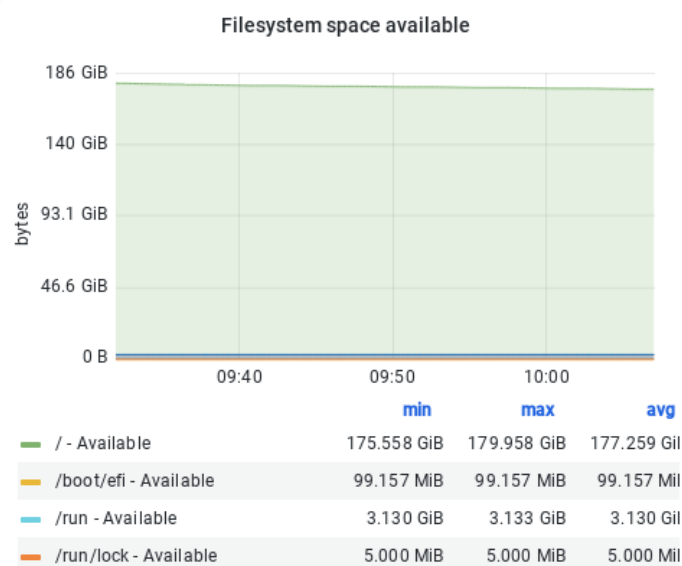
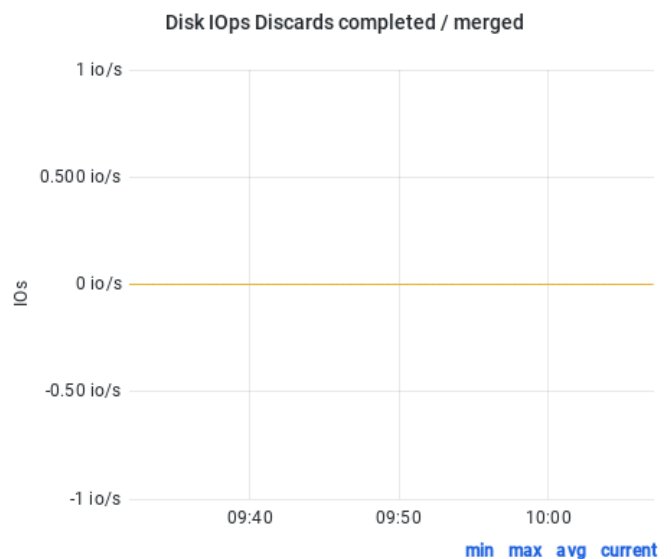
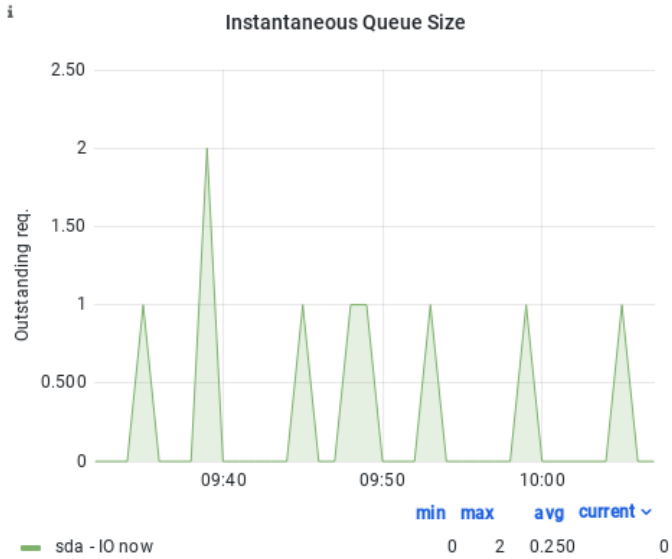
Systemd Sockets

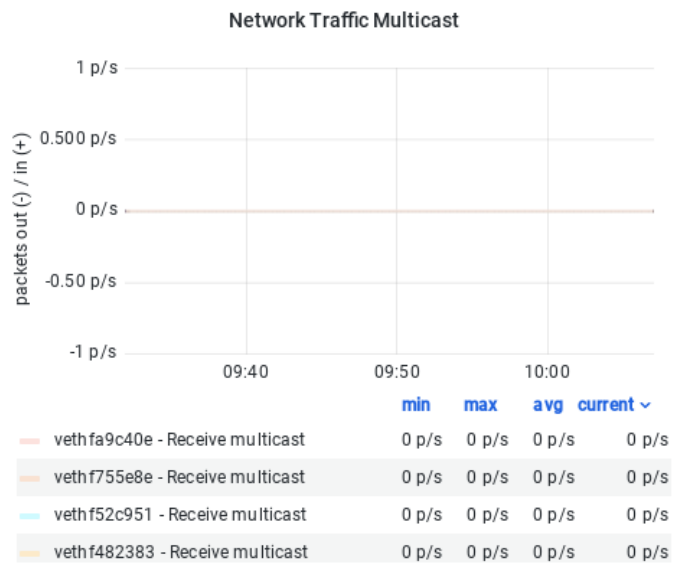
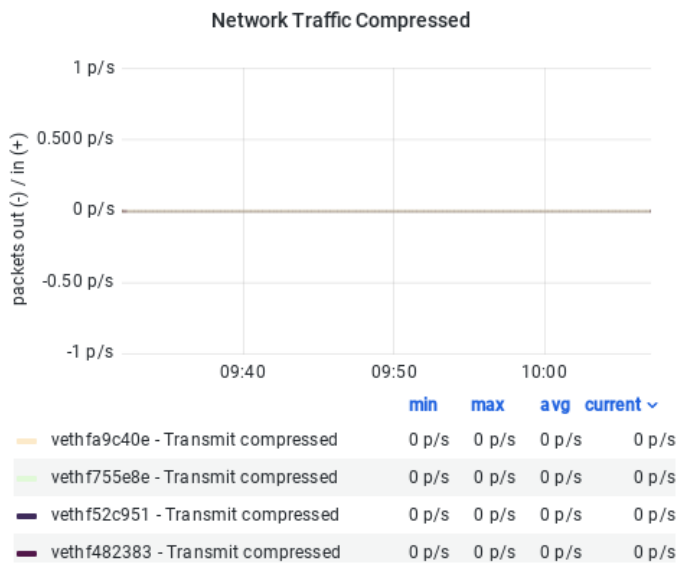
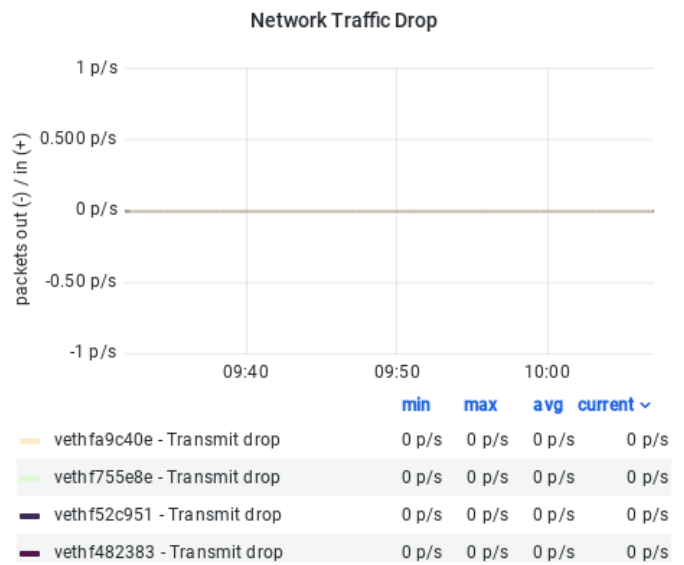
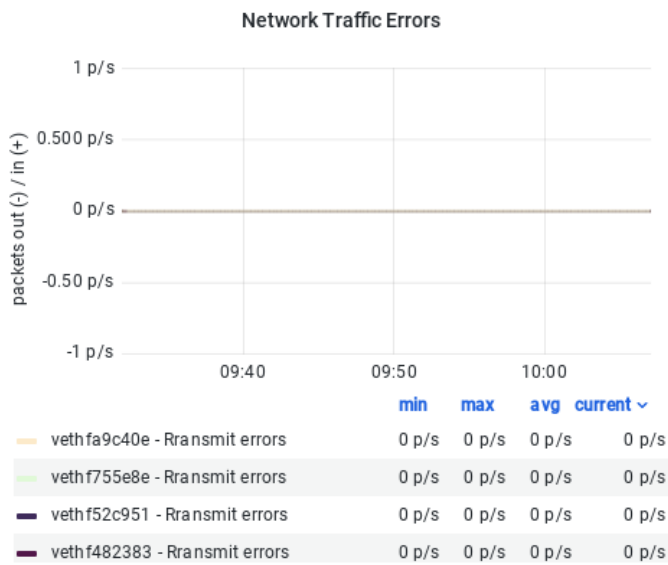
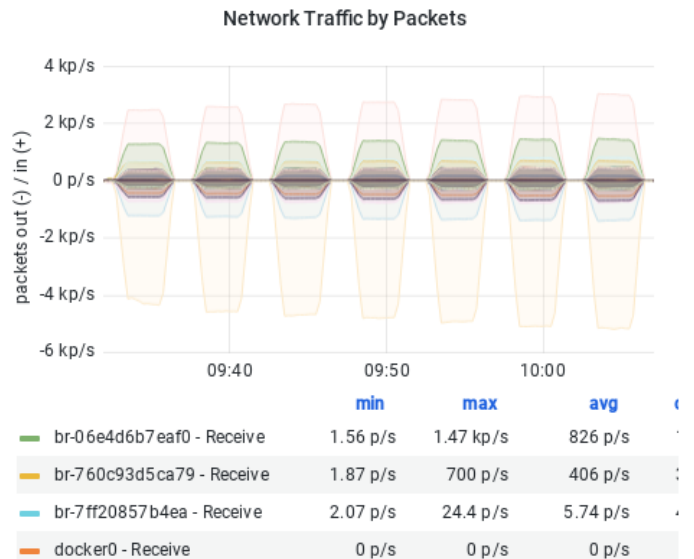
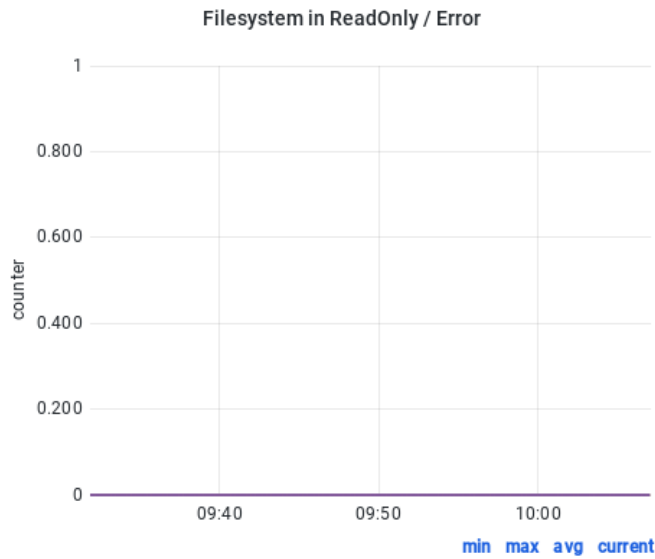


Systemd Units State

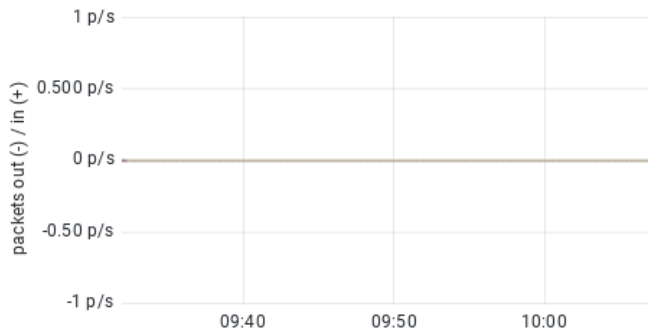






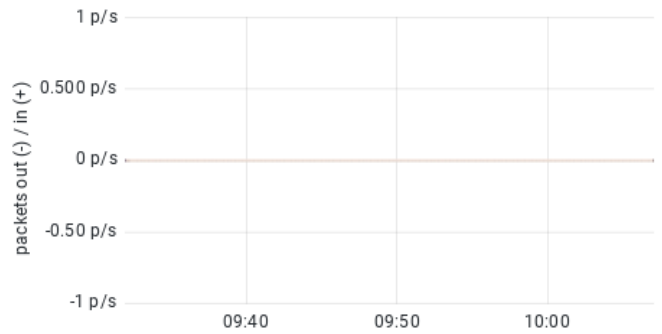


Network Traffic Fifo



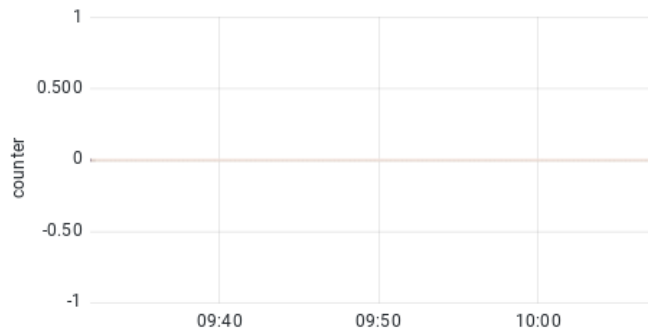
	min	max	avg	current
vethfa9c40e - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf755e8e - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf52c951 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf482383 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



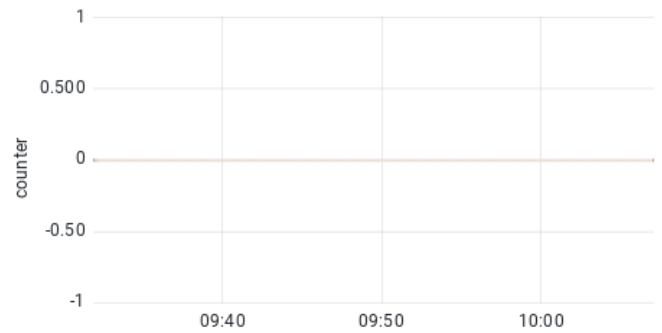
	min	max	avg	current
vethfa9c40e - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf755e8e - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf52c951 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf482383 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



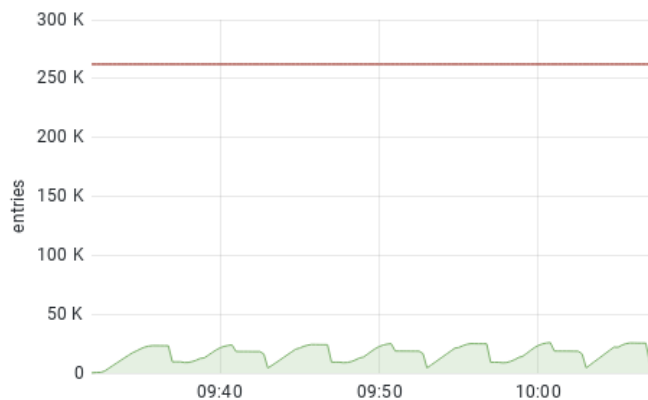
	min	max	avg	current
vethfa9c40e - Statistic transmit_carrier	0	0	0	0
vethf755e8e - Statistic transmit_carrier	0	0	0	0
vethf52c951 - Statistic transmit_carrier	0	0	0	0
vethf482383 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



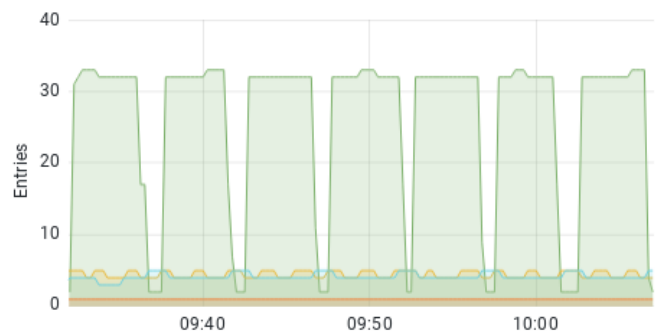
	min	max	avg	current
vethfa9c40e - Transmit colls	0	0	0	0
vethf755e8e - Transmit colls	0	0	0	0
vethf52c951 - Transmit colls	0	0	0	0
vethf482383 - Transmit colls	0	0	0	0

NF Contrack



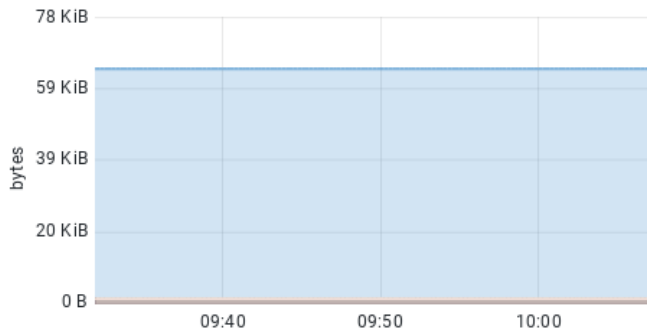
	min	max	avg	current
NF conntrack entries	174	25.9 K	16.5 K	8.90 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



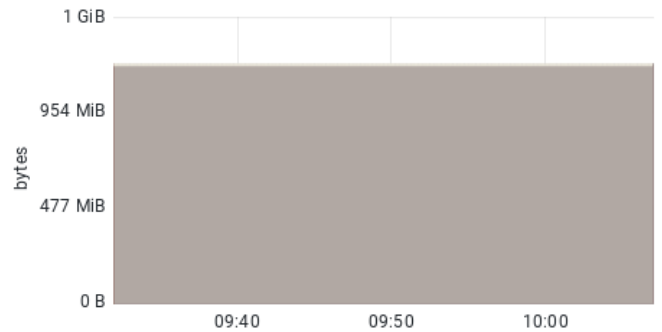
	min	max	avg	current
br-06e4d6b7eaf0 - ARP entries	2	33	26.2	2
br-760c93d5ca79 - ARP entries	4	5	4.49	4
br-7ff20857b4ea - ARP entries	3	5	4.18	5
ens4 - ARP entries	1	1	1	1

MTU



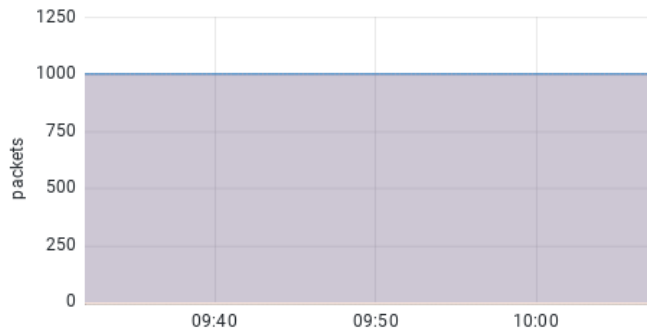
	min	max	avg	current
br-06e4d6b7eaf0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-760c93d5ca79 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7ff20857b4ea - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
docker0 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



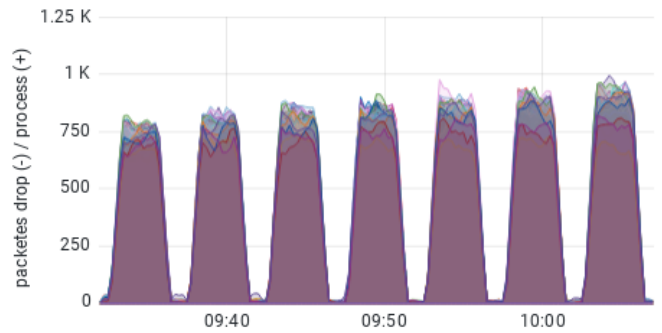
	min	max	avg	current
br-06e4d6b7eaf0 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-760c93d5ca79 - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
br-7ff20857b4ea - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
docker0 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB

Queue Length



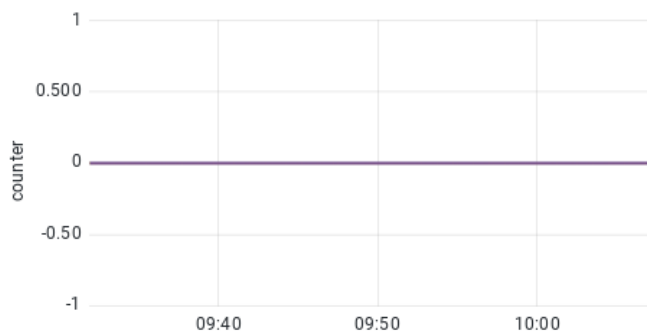
	min	max	avg	current
br-06e4d6b7eaf0 - Interface transmit queue length	0	0	0	0
br-760c93d5ca79 - Interface transmit queue length	0	0	0	0
br-7ff20857b4ea - Interface transmit queue length	0	0	0	0
docker0 - Interface transmit queue length	0	0	0	0

Softnet Packets



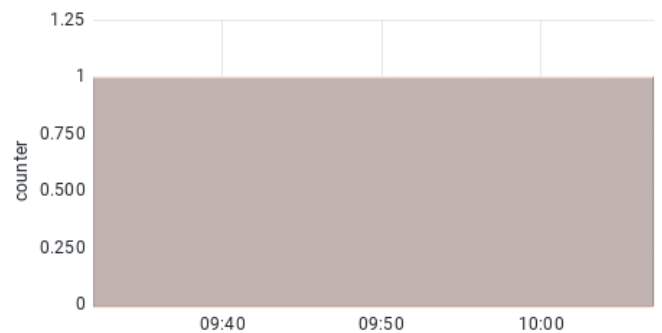
	min	max	avg	current
CPU 4 - Processed	1.71	918	490	11.9
CPU 0 - Processed	1.71	817	448	11.7
CPU 26 - Processed	0	890	477	10.1
CPU 17 - Processed	0.622	822	445	10.1

Softnet Out of Quota



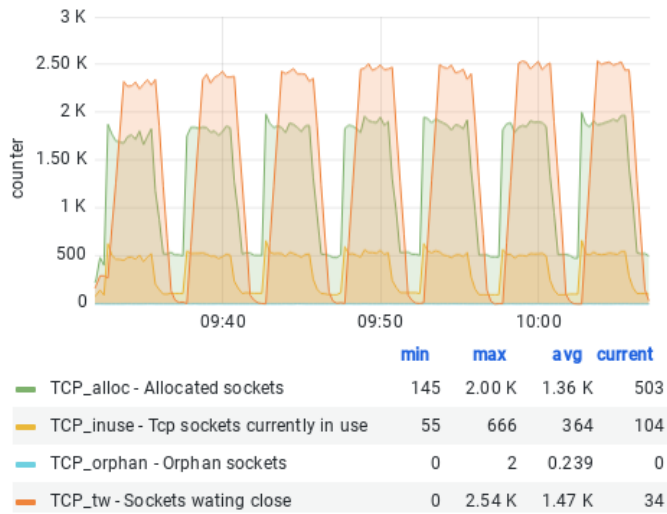
	min	max	avg	current
CPU 9 - Squeezed	0	0	0	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0	0	0
CPU 6 - Squeezed	0	0	0	0

Network Operational Status

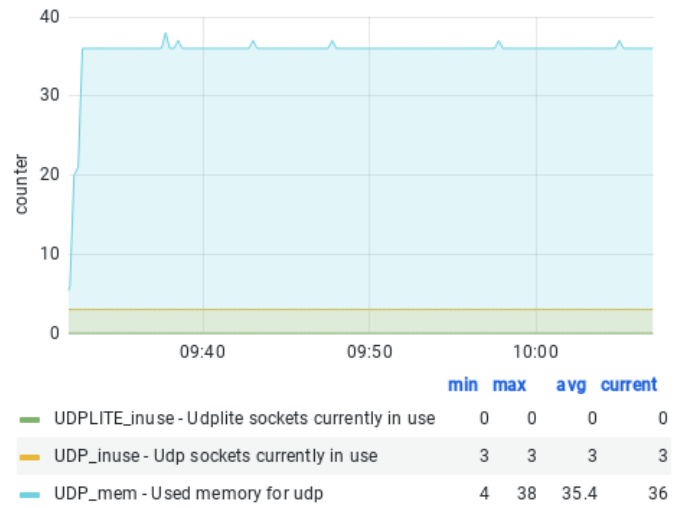


	min	max	avg	current
vethfa9c40e - Physical link state	1	1	1	1
vethf755e8e - Physical link state	1	1	1	1
vethf52c951 - Physical link state	1	1	1	1
vethf482383 - Physical link state	1	1	1	1

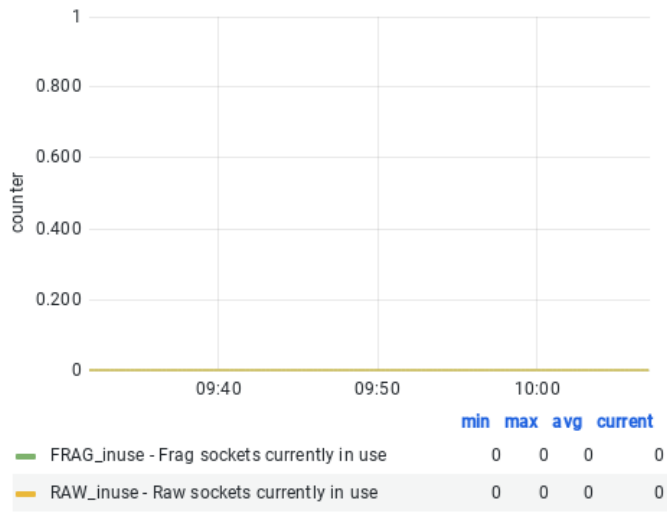
Sockstat TCP



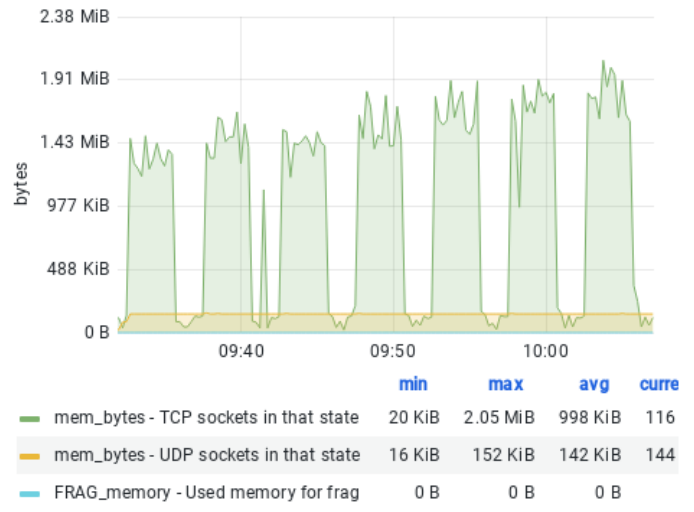
Sockstat UDP



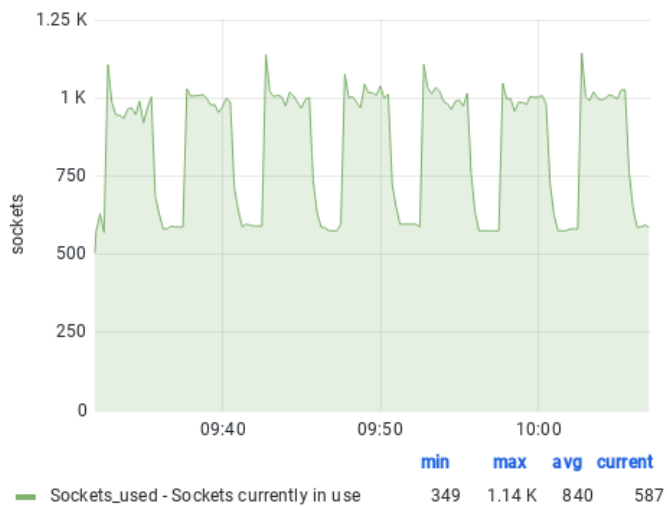
Sockstat FRAG / RAW



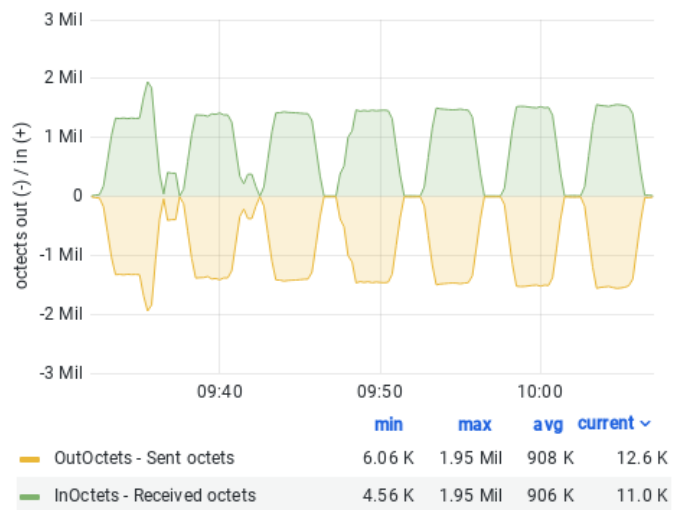
Sockstat Memory Size



Sockstat Used

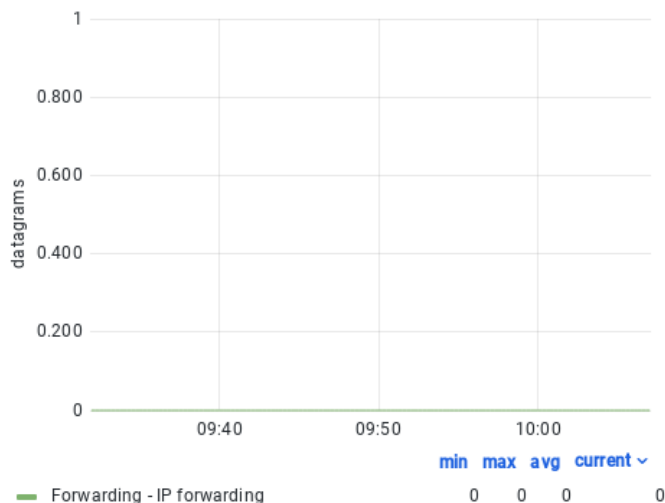


Netstat IP In / Out Octets

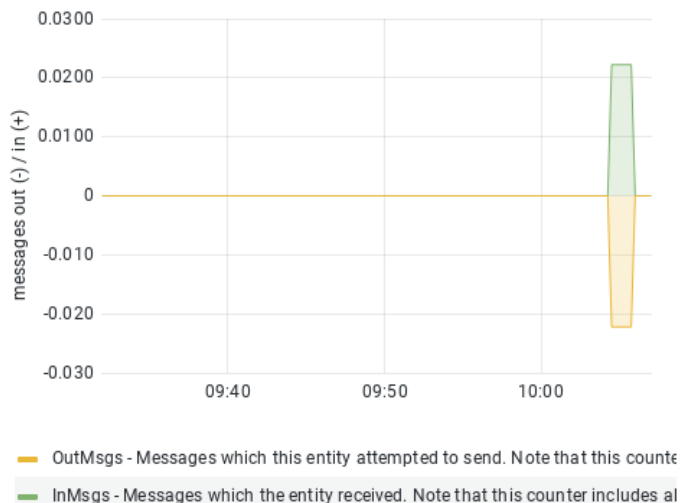




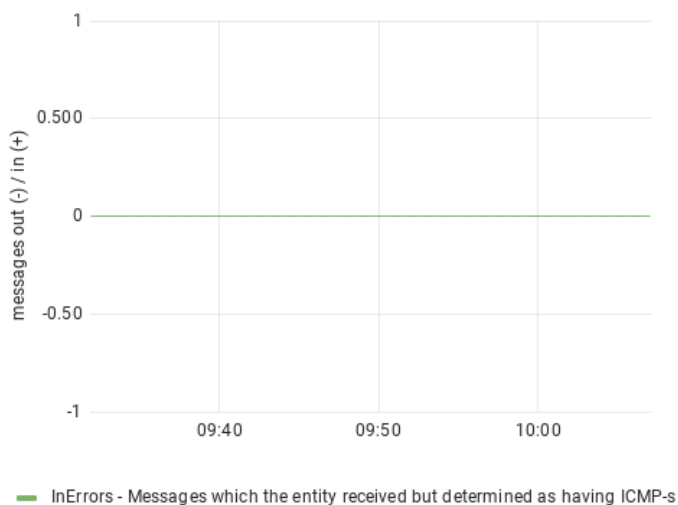
Netstat IP Forwarding



ICMP In / Out



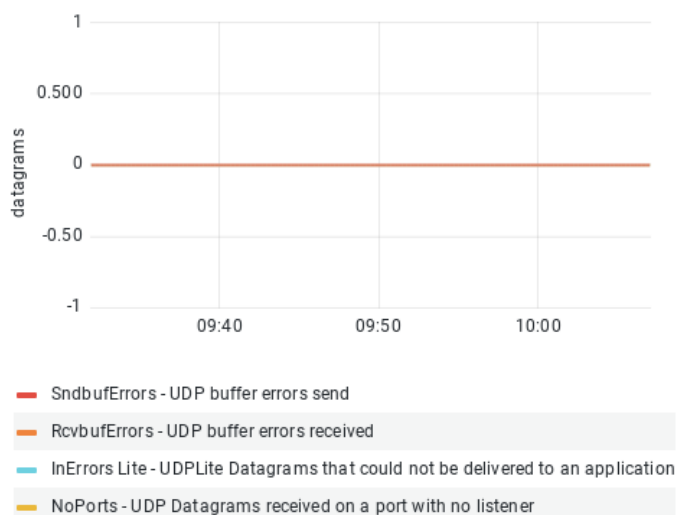
ICMP Errors



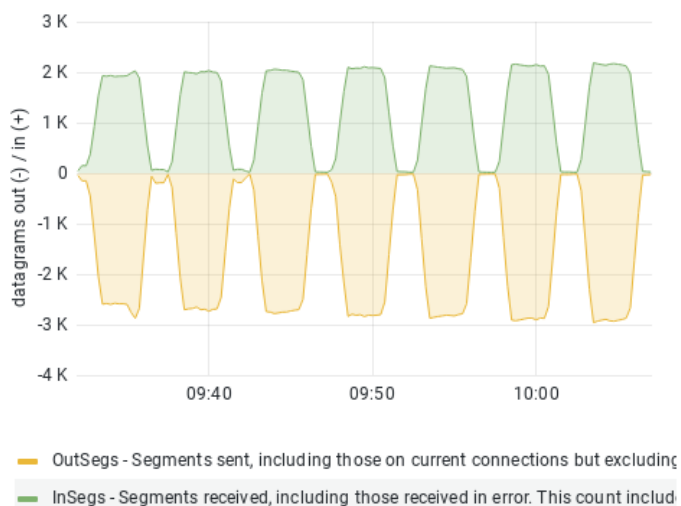
UDP In / Out



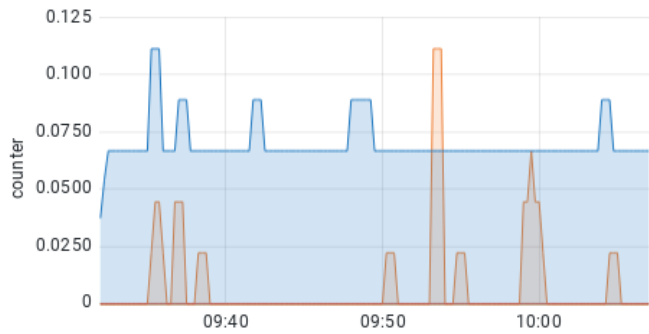
UDP Errors



TCP In / Out



TCP Errors



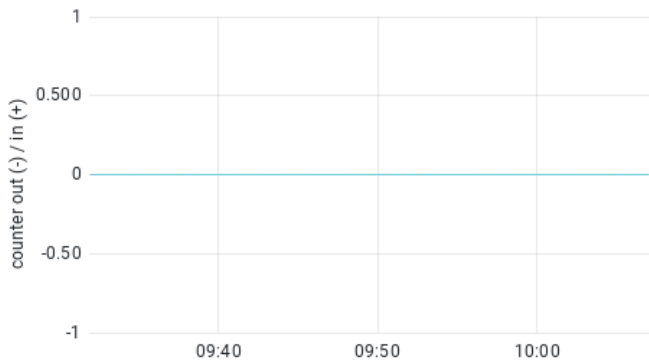
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



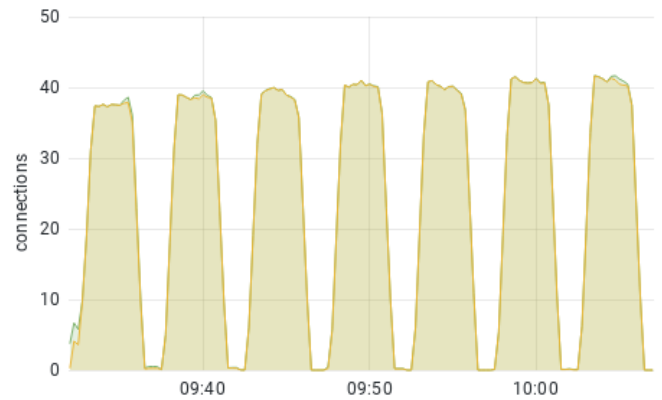
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



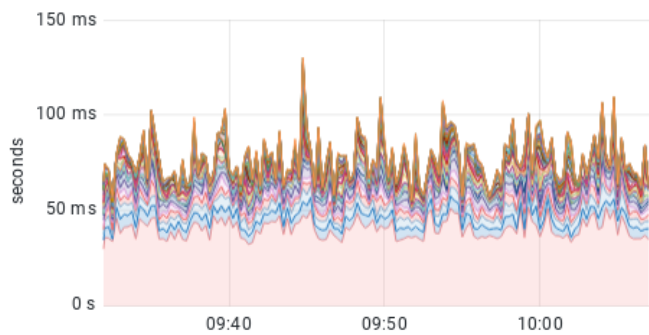
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



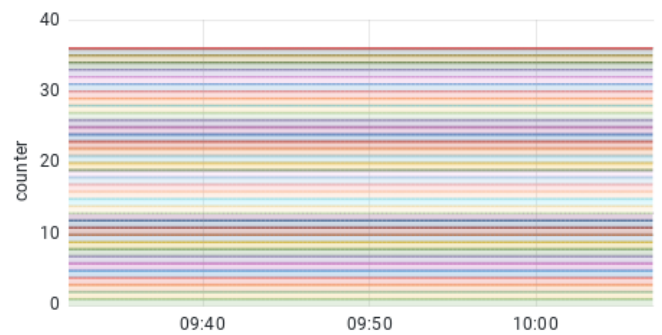
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	16.3 ms	52.1 ms	40.5 ms	34.9
cpu - Scrape duration	1.29 ms	10.5 ms	5.18 ms	5.80
netdev - Scrape duration	1.49 ms	12.9 ms	4.80 ms	3.85
thermal_zone - Scrape duration	935 $\mu$ s	8.63 ms	3.48 ms	3.67

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