

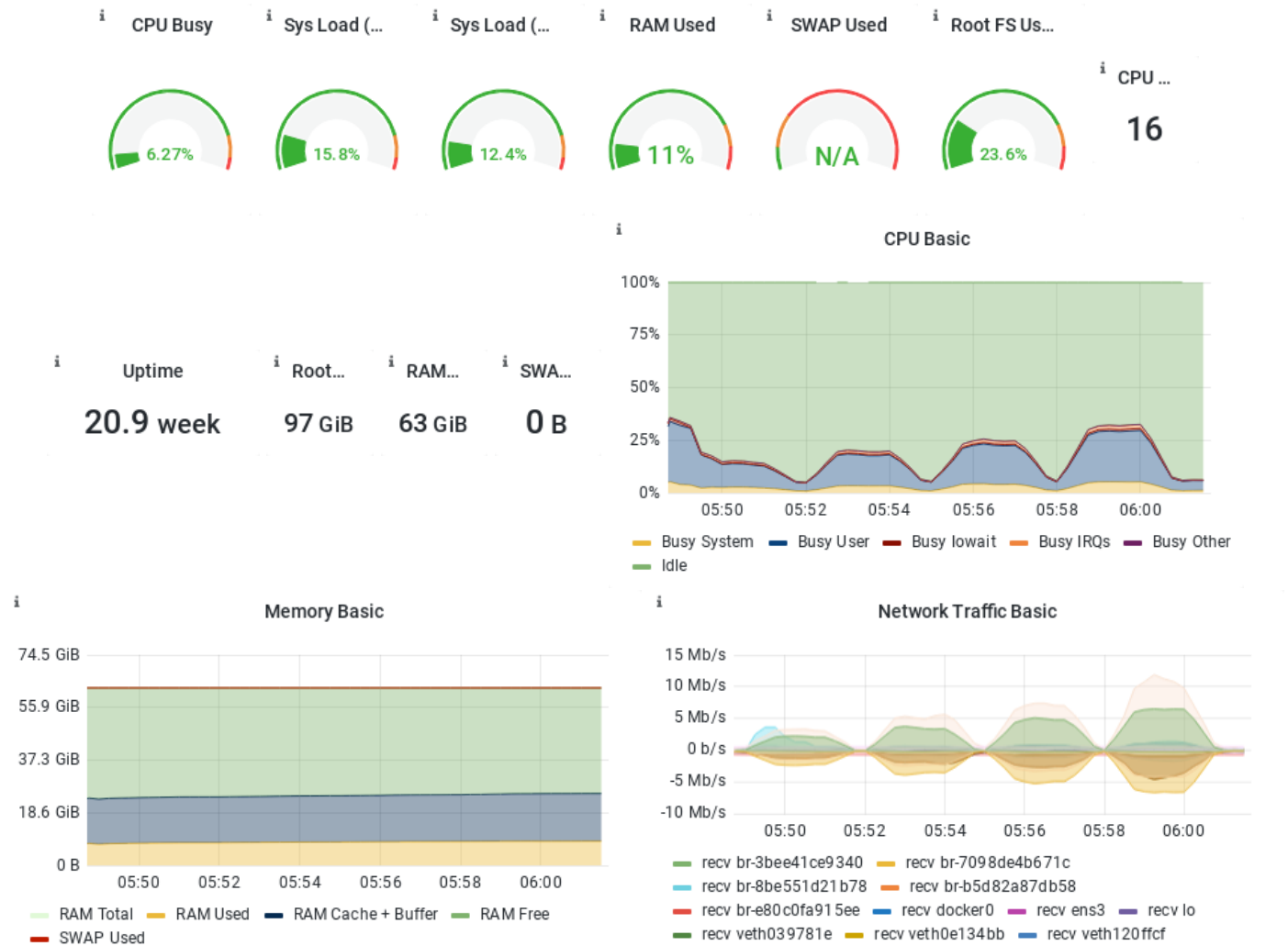
# Host Metrics

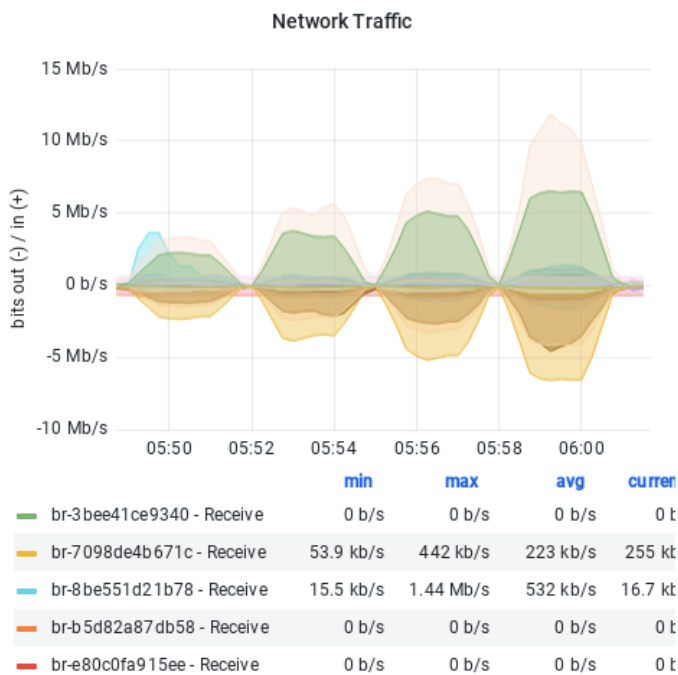
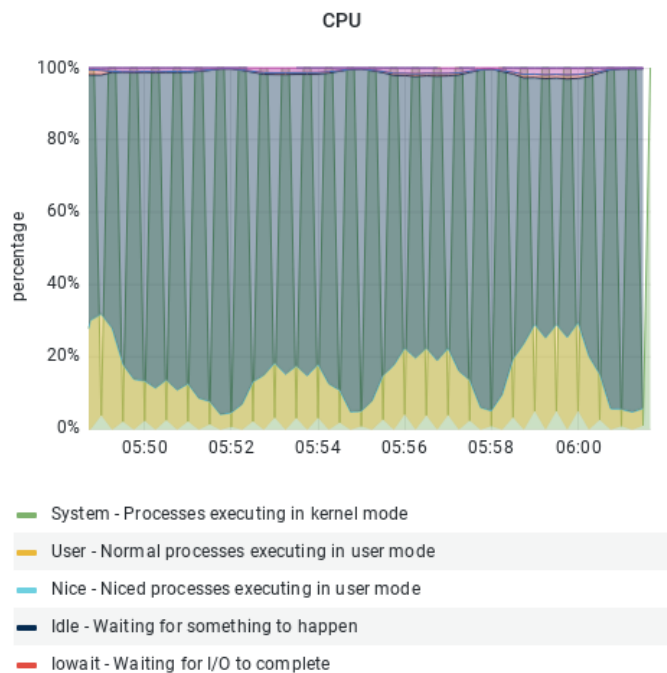
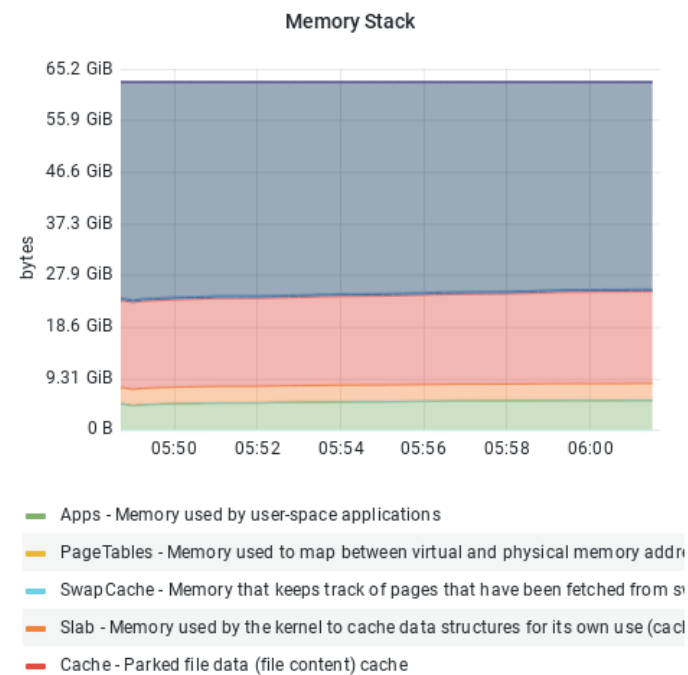
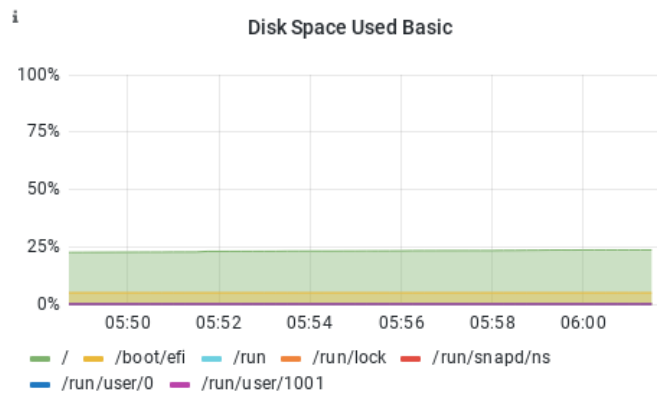
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Tue Mar 8 05:48:42 UTC 2022

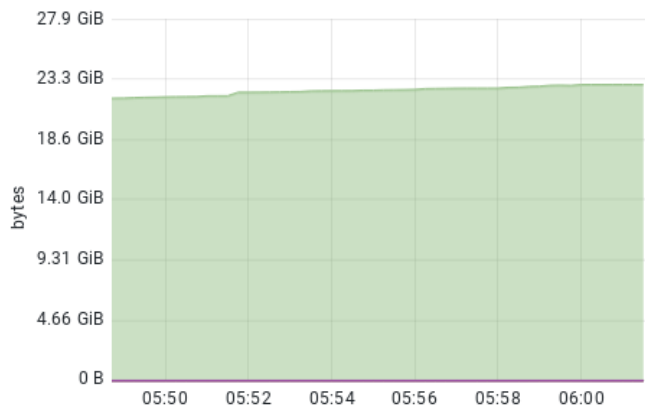
to

Tue Mar 8 06:01:40 UTC 2022



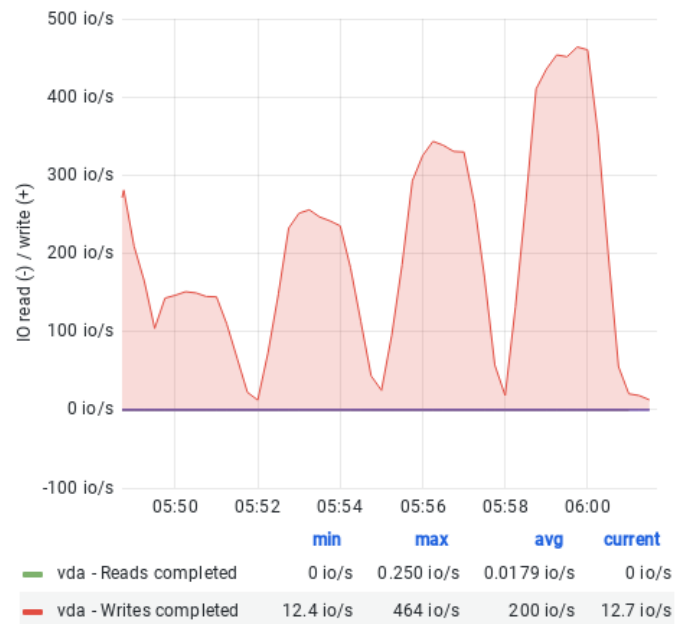


Disk Space Used



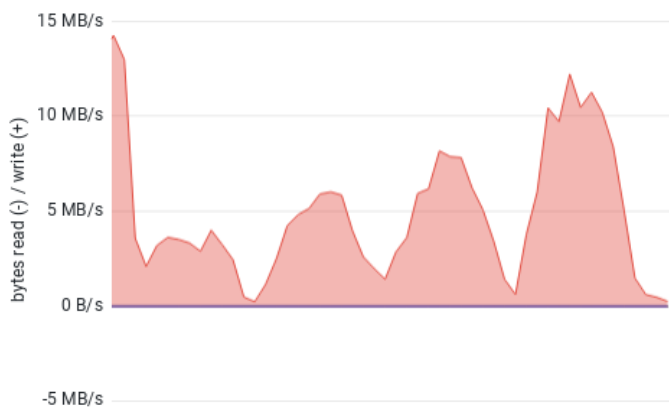
	min	max	avg	current
/run/lock	0 B	0 B	0 B	0 B
/run/user/0	0 B	0 B	0 B	0 B
/run/user/1001	0 B	0 B	0 B	0 B
/run	4.375 MiB	4.375 MiB	4.375 MiB	4.375 MiB
/run/snapd/ns	4.375 MiB	4.375 MiB	4.375 MiB	4.375 MiB

Disk IOps



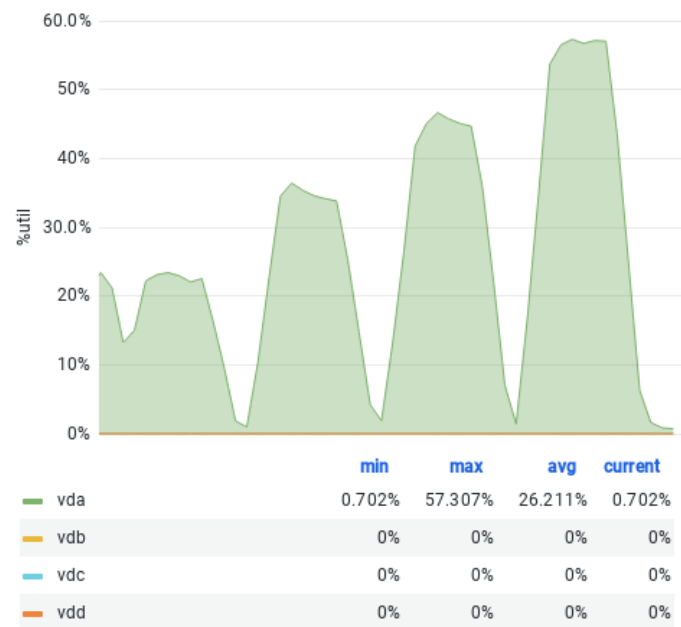
	min	max	avg	current
vda - Reads completed	0 io/s	0.250 io/s	0.0179 io/s	0 io/s
vda - Writes completed	12.4 io/s	464 io/s	200 io/s	12.7 io/s

I/O Usage Read / Write



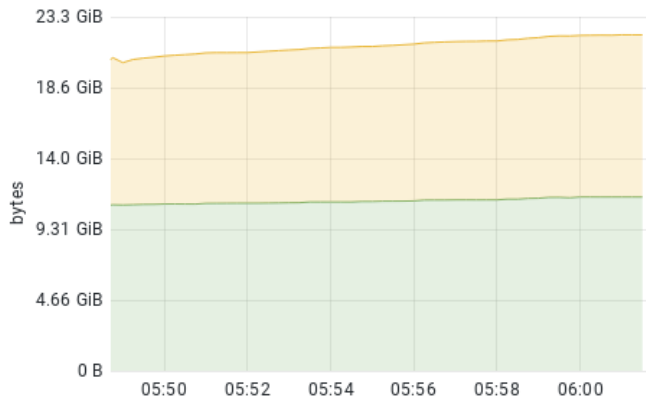
	min	max	avg
vda - Successfully read bytes	0 B/s	1.365 kB/s	63.544 B/s
vdb - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdc - Successfully read bytes	0 B/s	0 B/s	0 B/s
vdd - Successfully read bytes	0 B/s	0 B/s	0 B/s
vda - Successfully written bytes	245.669 kB/s	14.240 MB/s	5.058 MB/s

I/O Utilization



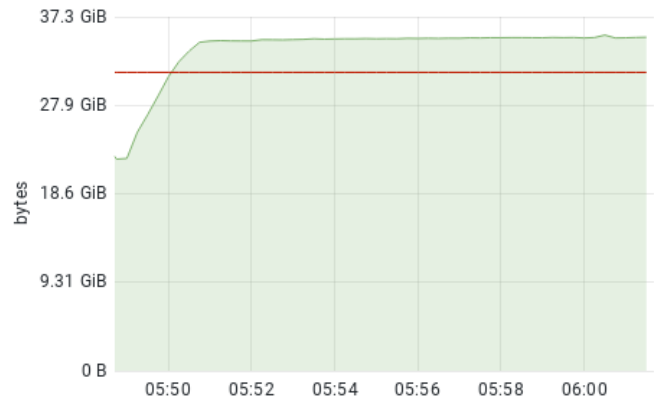
	min	max	avg	current
vda	0.702%	57.307%	26.211%	0.702%
vdb	0%	0%	0%	0%
vdc	0%	0%	0%	0%
vdd	0%	0%	0%	0%

Memory Active / Inactive



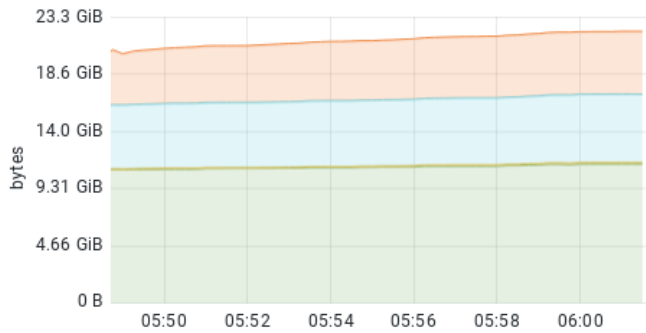
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



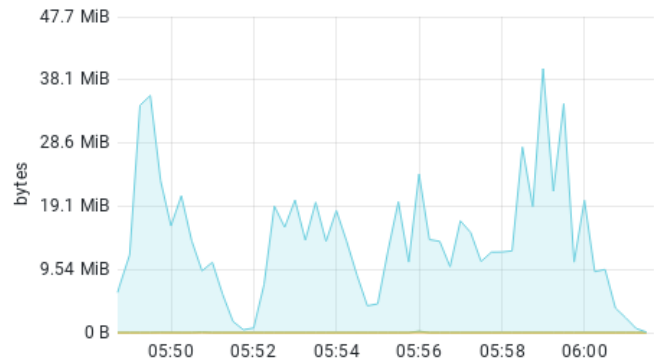
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

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)

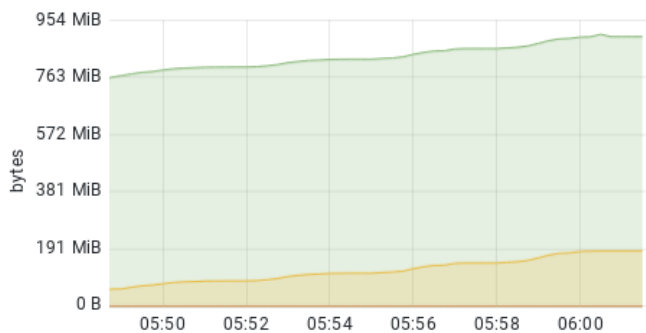
Memory Writeback and Dirty



— 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

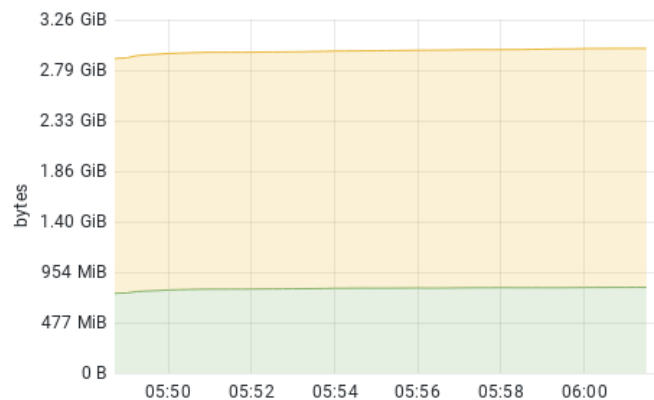
76.0

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 all  
 — ShmemPmdMapped - Amount of shared (shmem/tmpfs) memory backed by

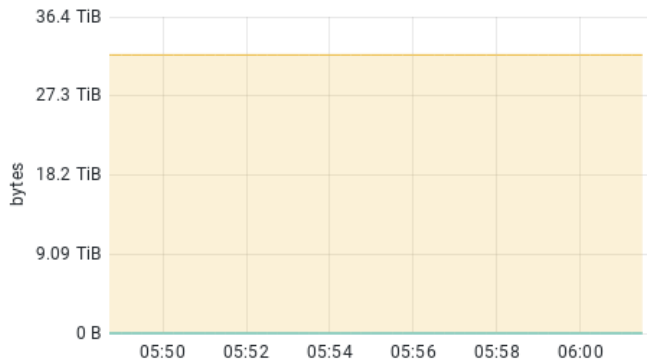
Memory Slab



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

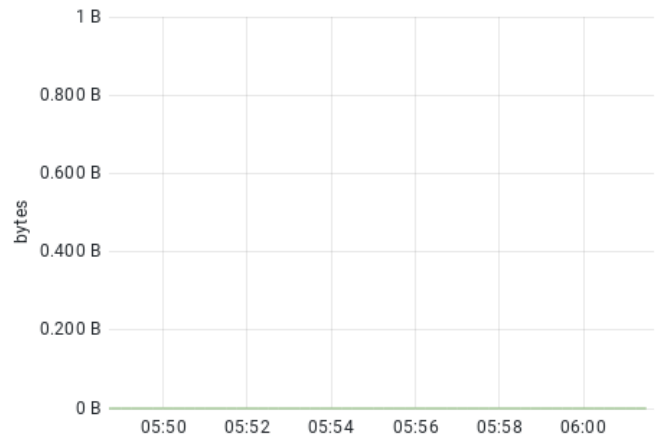
74

Memory Vmalloc



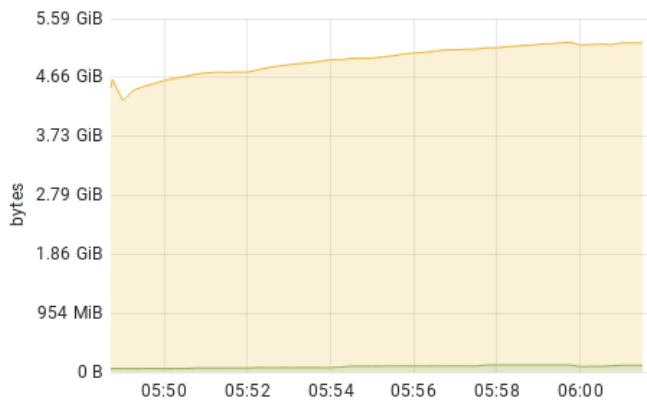
VmallocChunk - Largest contiguous block of vmalloc area which is free	
VmallocTotal - Total size of vmalloc memory area	32.0
VmallocUsed - Amount of vmalloc area which is used	51.6

Memory Bounce



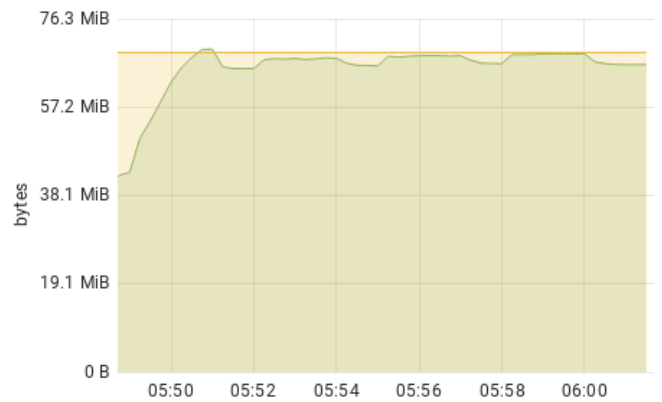
Bounce - Memory used for block device bounce buffers	0 B	0 B	0 B
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Memory Anonymous



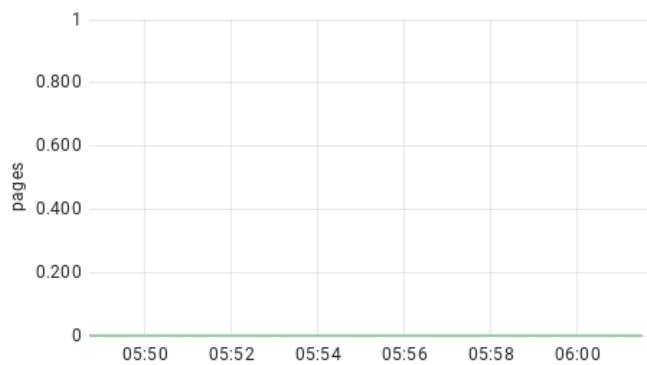
AnonHugePages - Memory in anonymous huge pages	54.00 MiB	116.00
AnonPages - Memory in user pages not backed by files	3.79 GiB	5.21

Memory Kernel / CPU



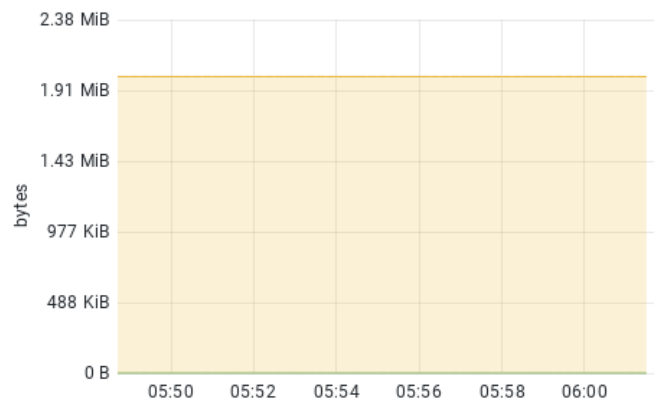
KernelStack - Kernel memory stack. This is not reclaimable	40.6
PerCPU - Per CPU memory allocated dynamically by loadable modules	69.0

Memory HugePages Counter



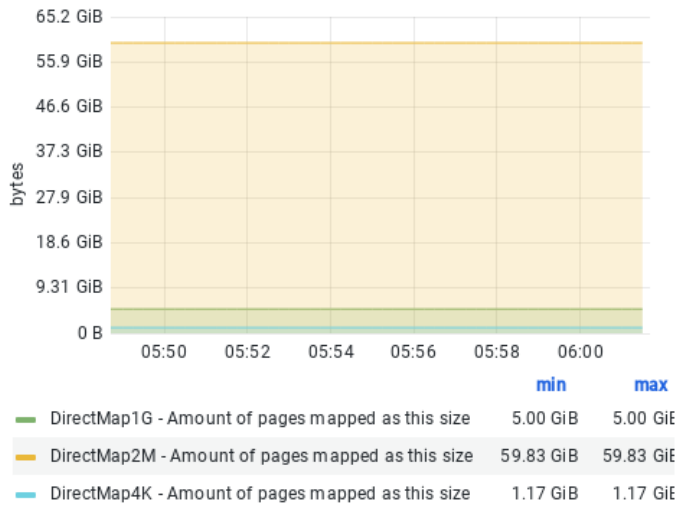
HugePages_Free - Huge pages in the pool that are not yet allocated	
HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made	
HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages	

Memory HugePages Size

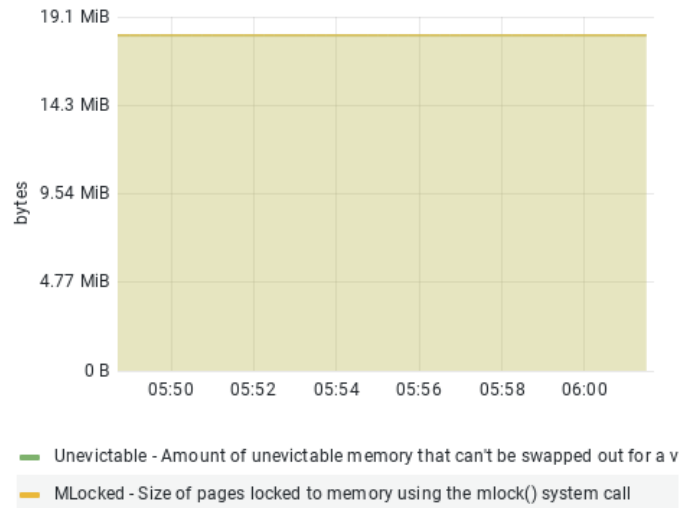


HugePages - Total size of the pool of huge pages	0 B	0 B
Hugepagesize - Huge Page size	2.00 MiB	2.00 MiB

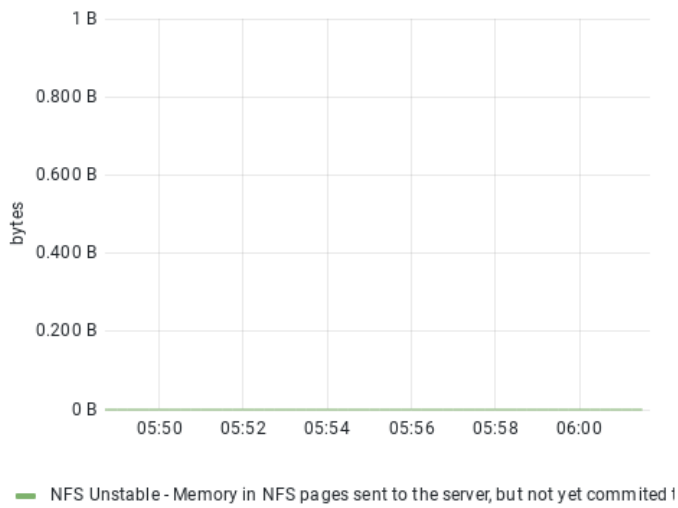
Memory DirectMap



Memory Unevictable and MLocked



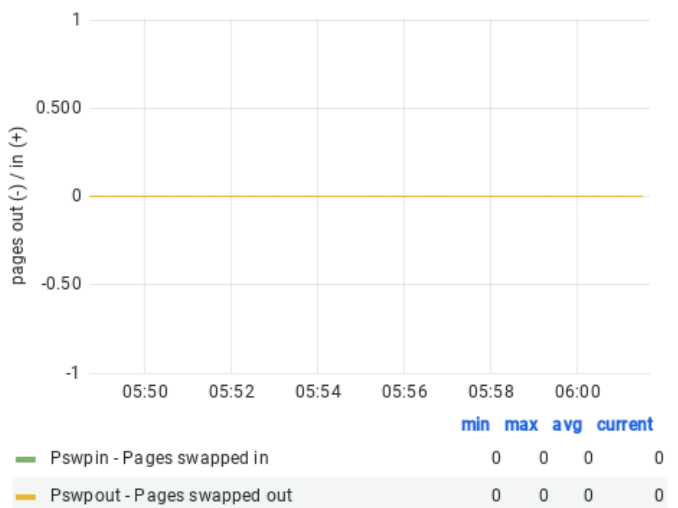
Memory NFS



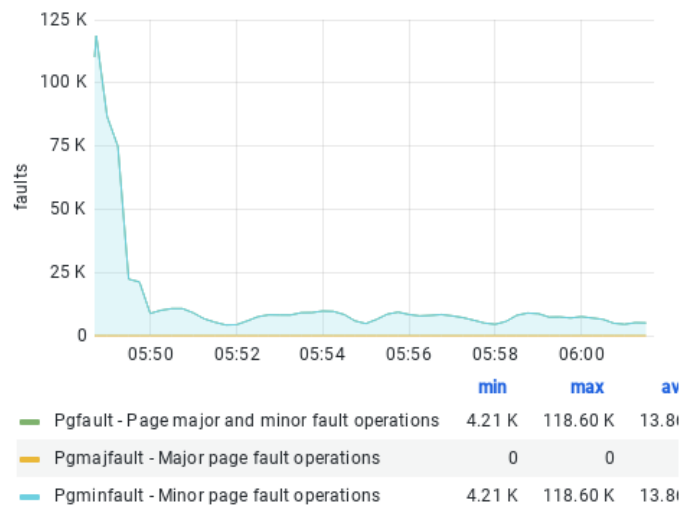
Memory Pages In / Out

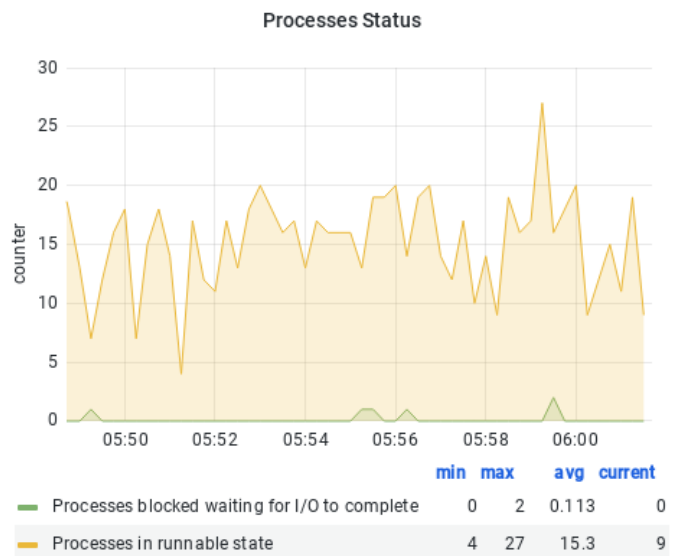
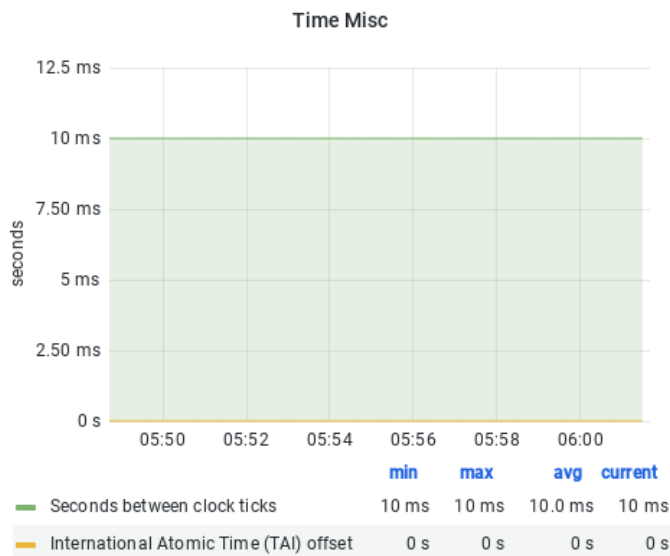
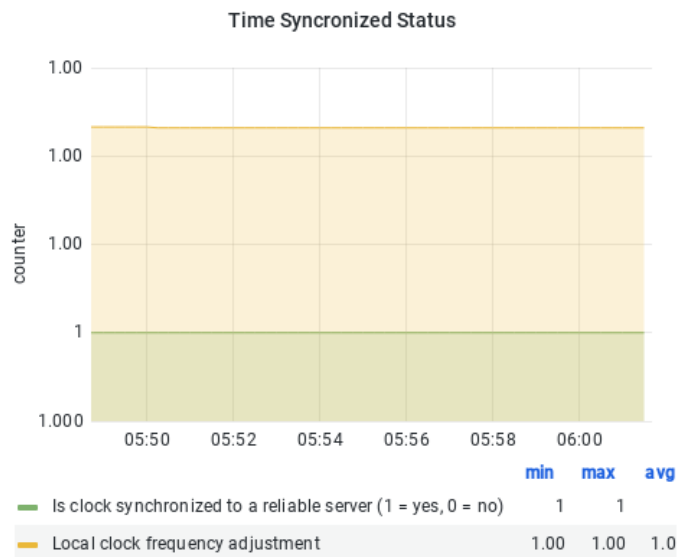
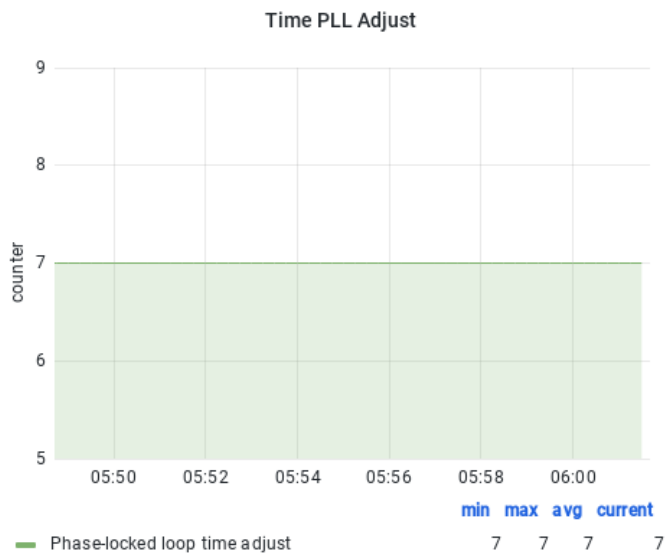
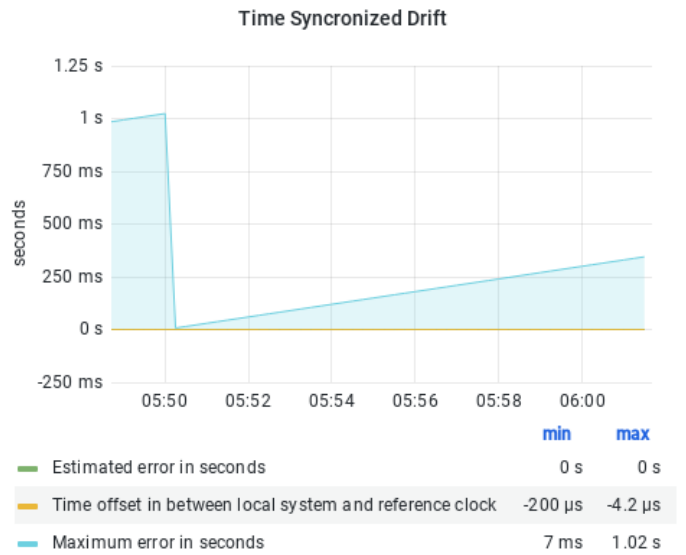
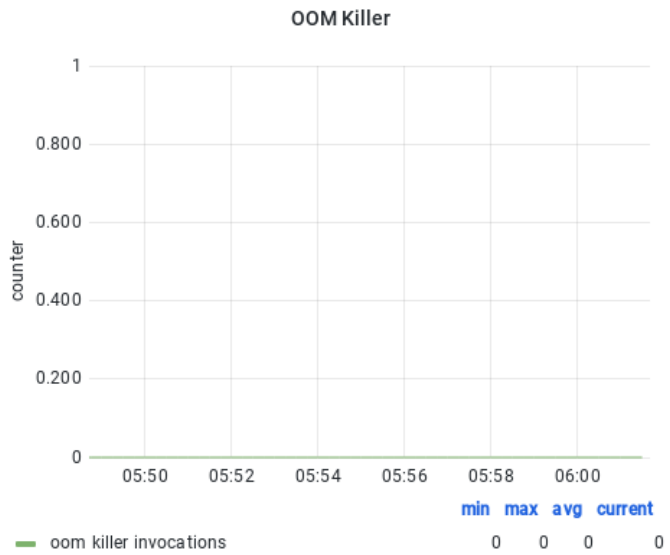


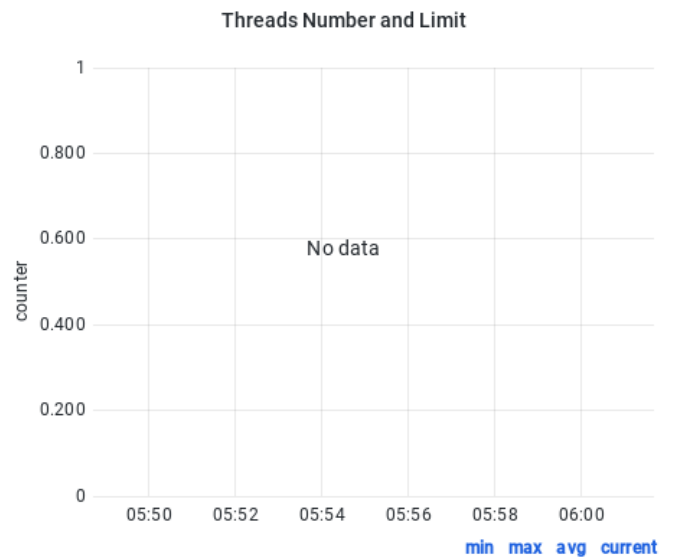
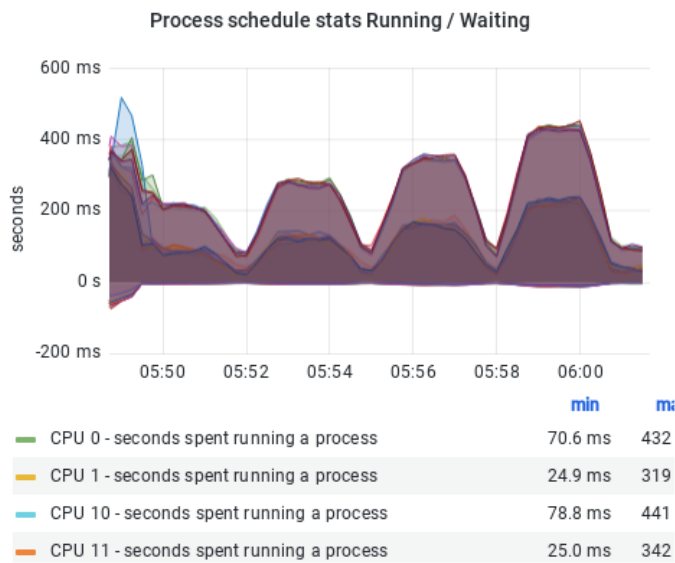
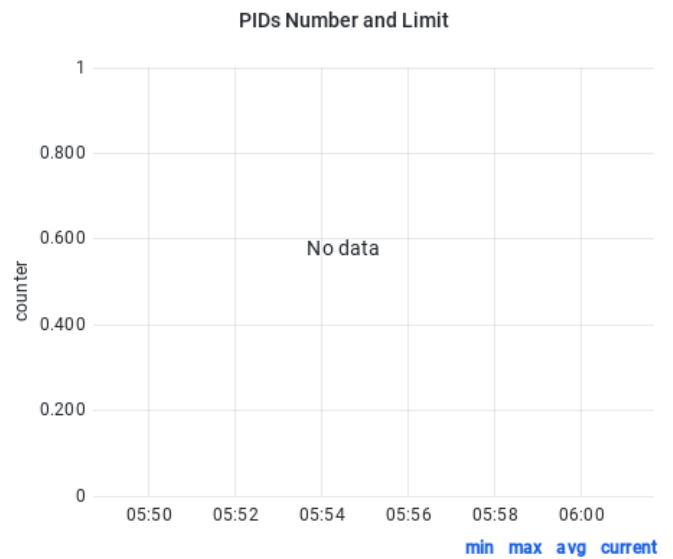
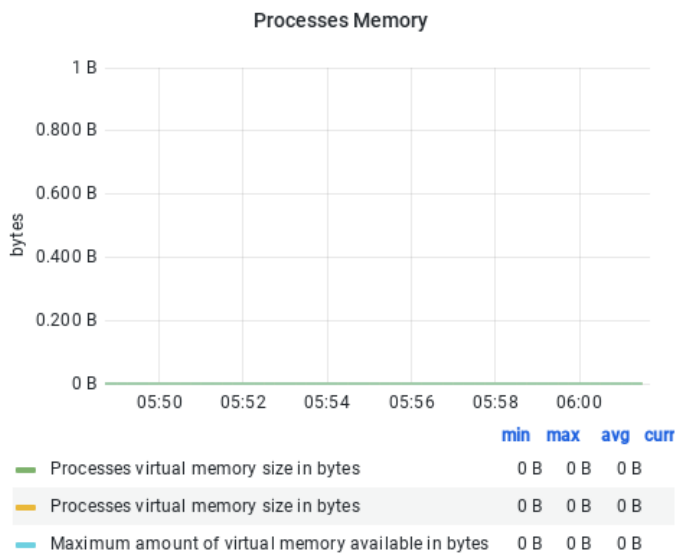
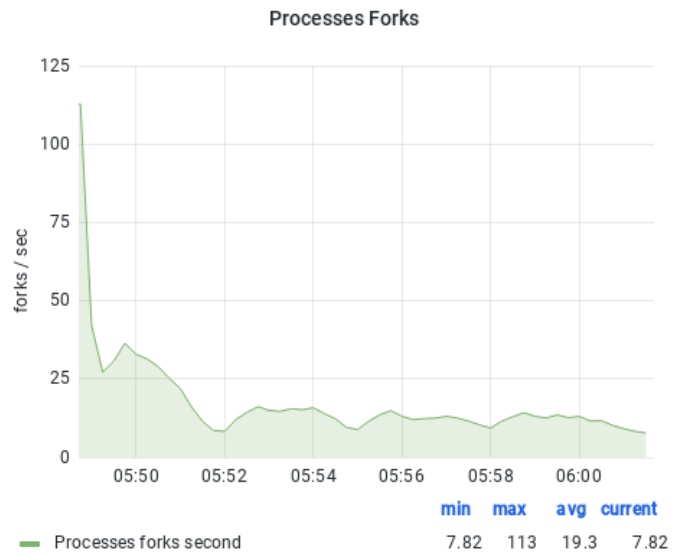
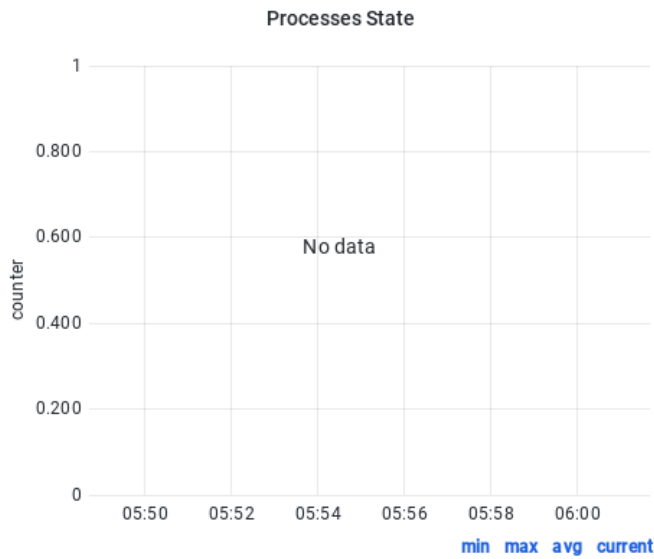
Memory Pages Swap In / Out



Memory Page Faults

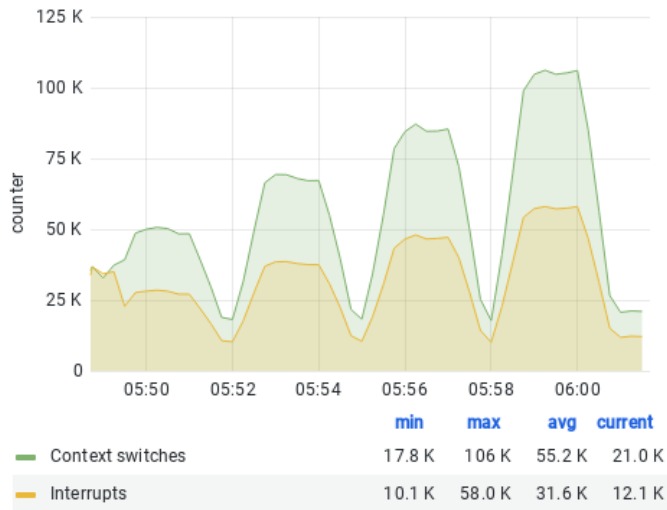




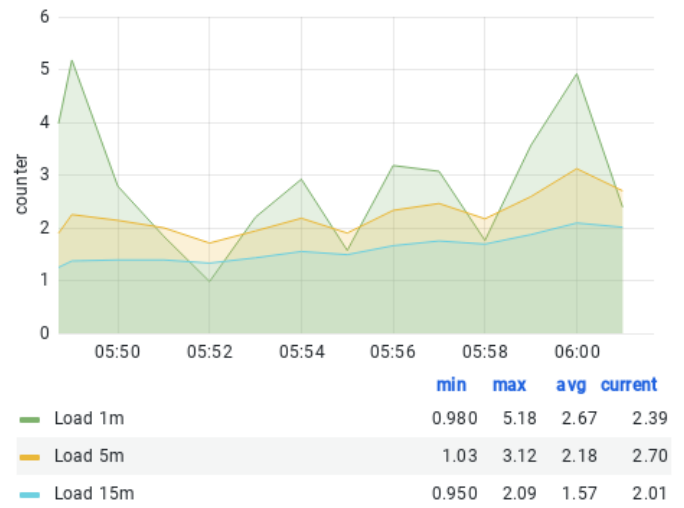




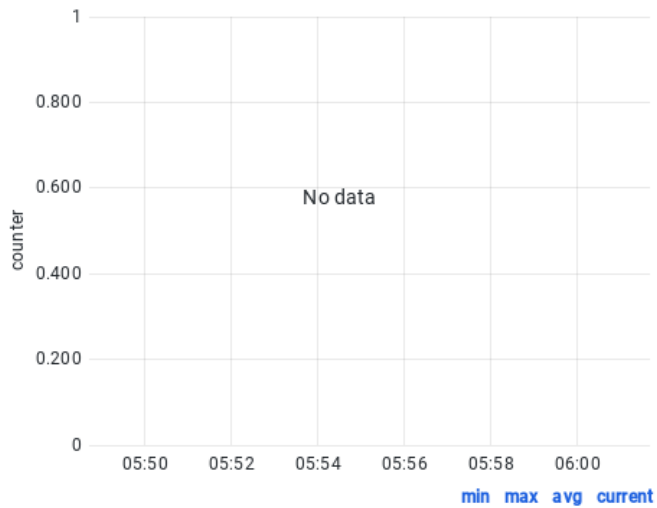
Context Switches / Interrupts



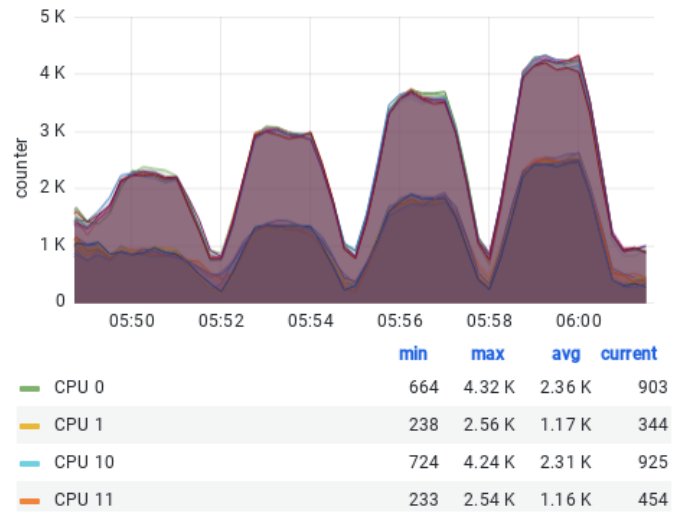
System Load



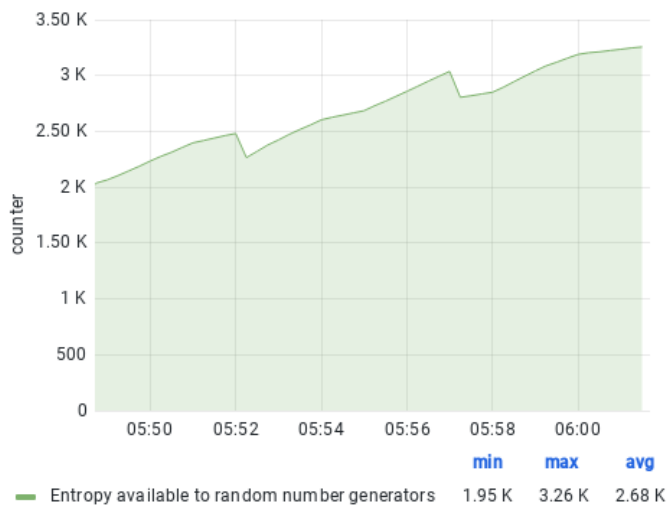
Interrupts Detail



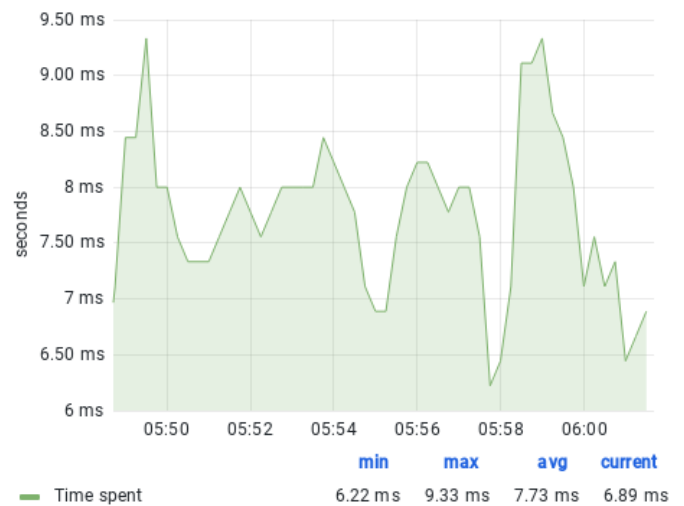
Schedule timeslices executed by each cpu



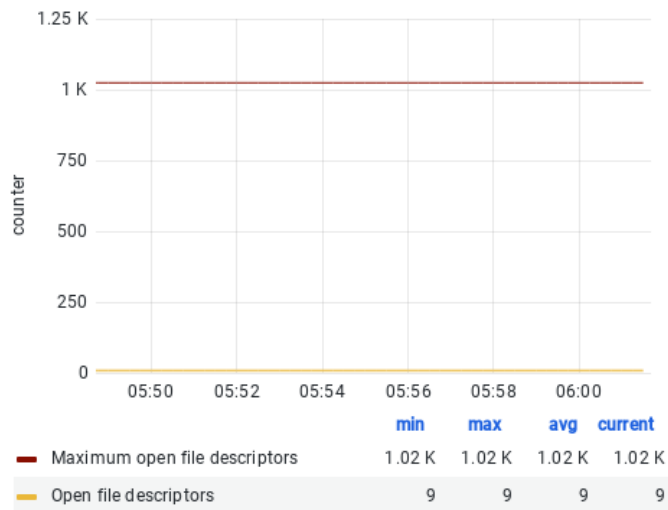
Entropy



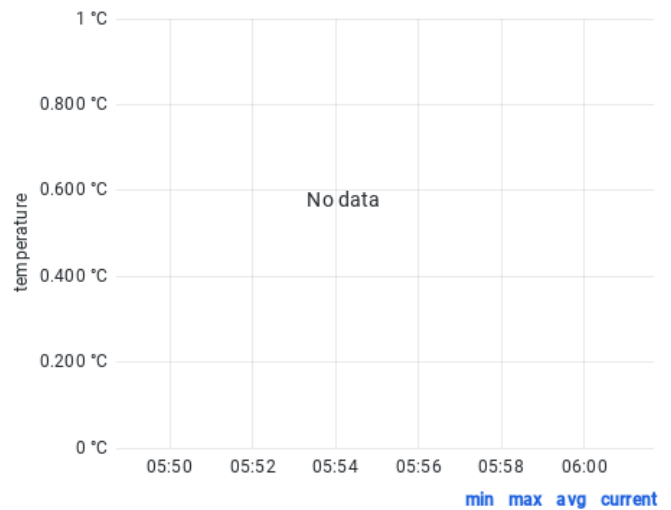
CPU time spent in user and system contexts



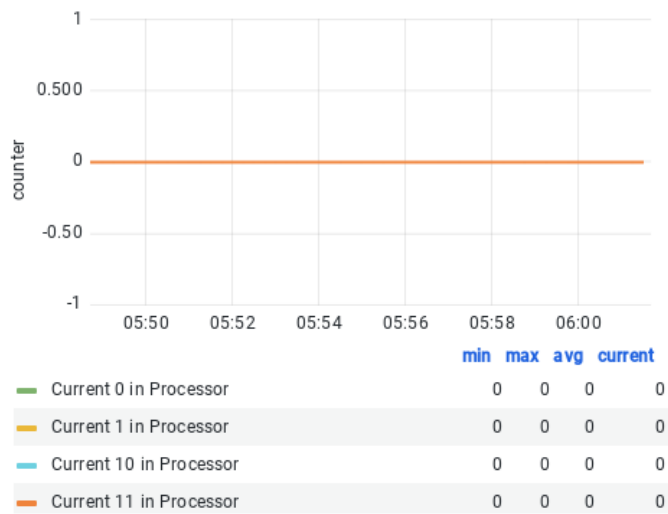
File Descriptors



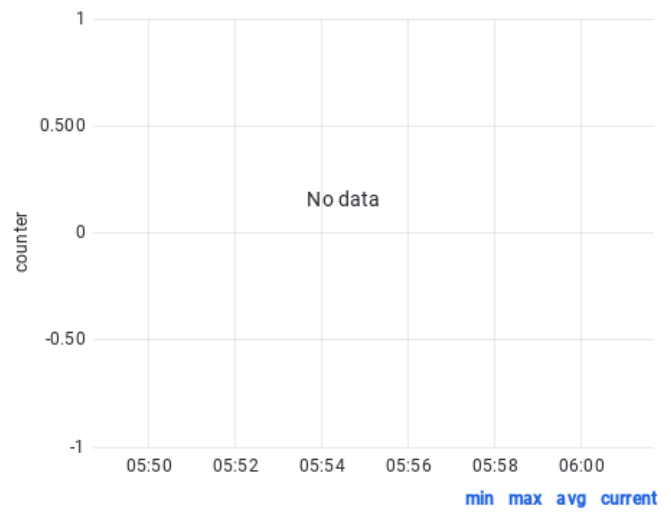
Hardware temperature monitor



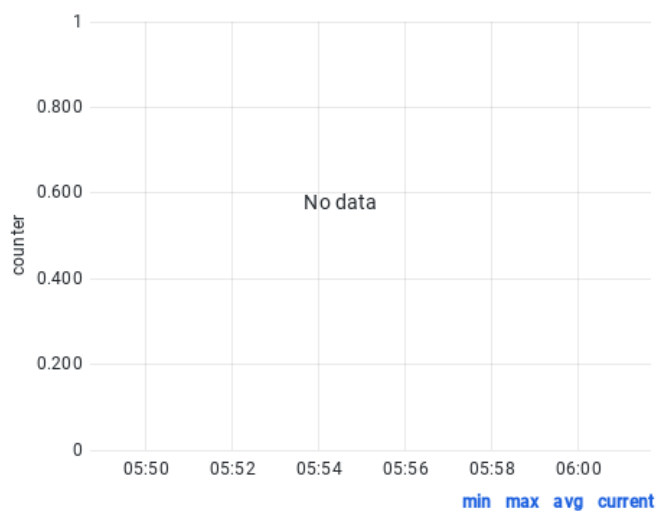
Throttle cooling device



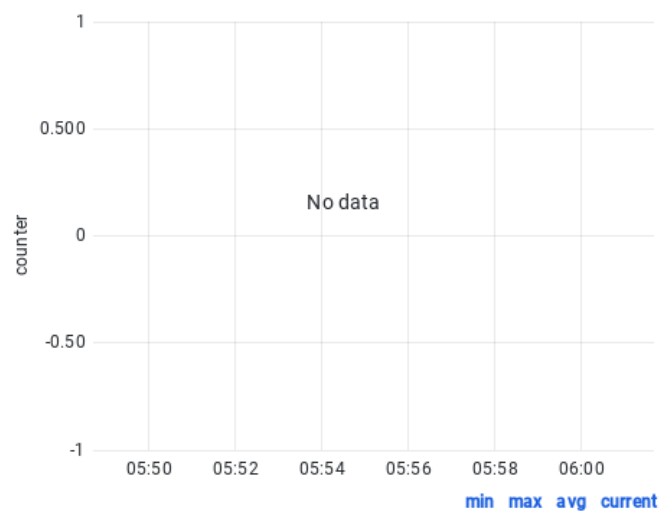
Power supply

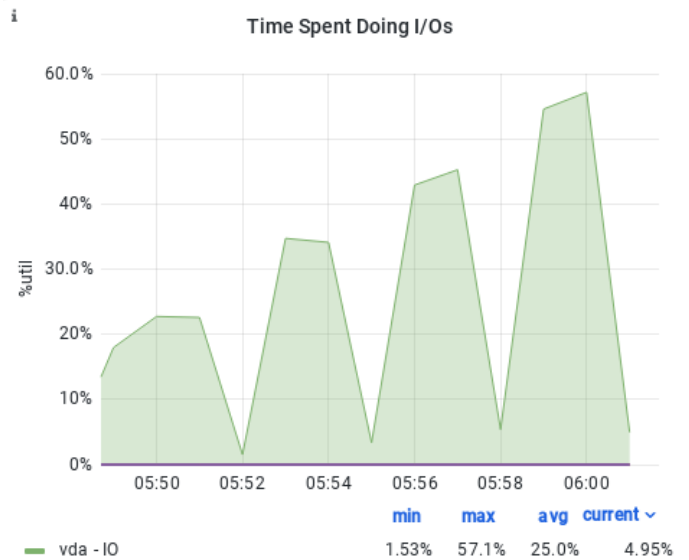
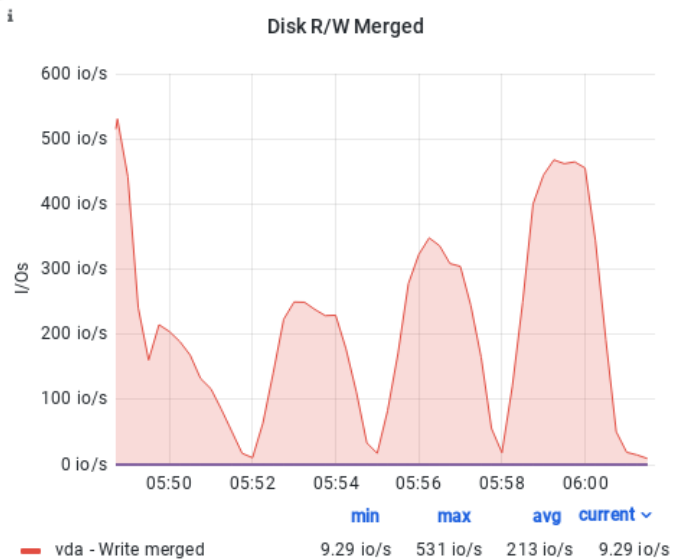
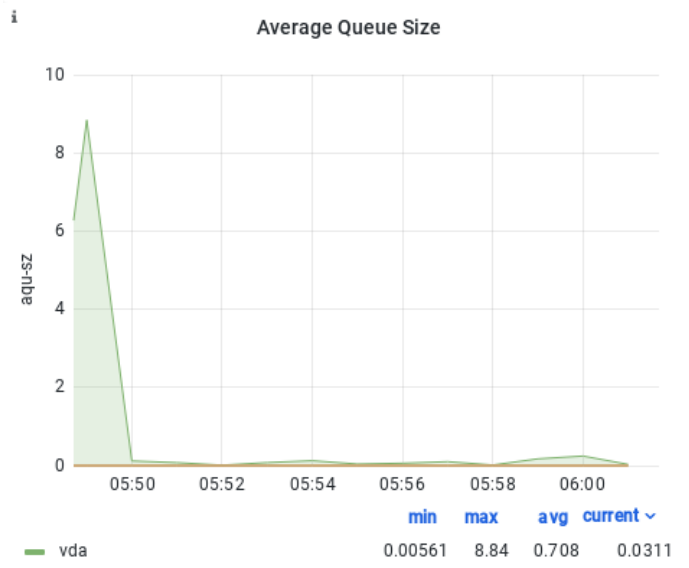
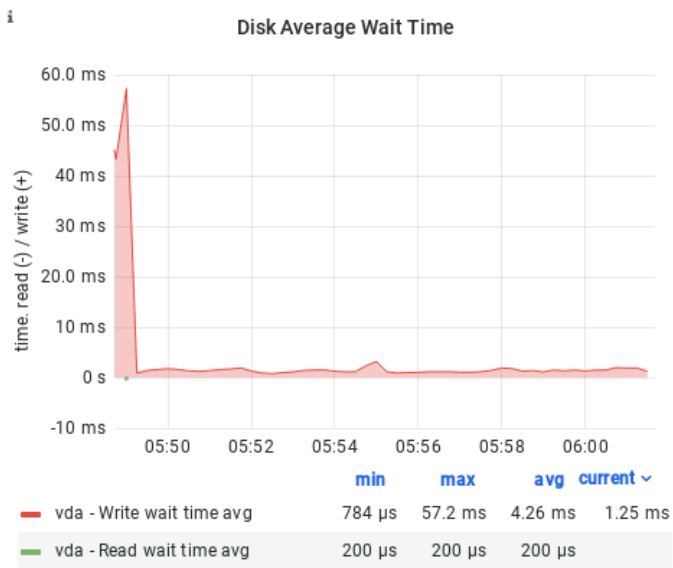
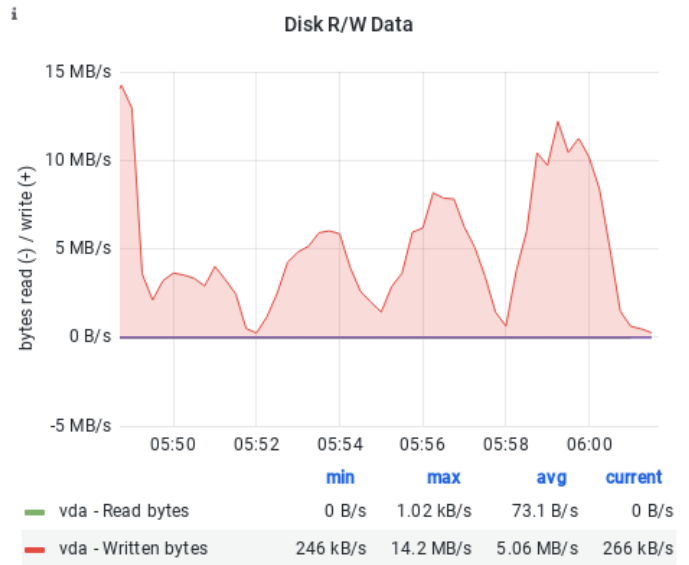
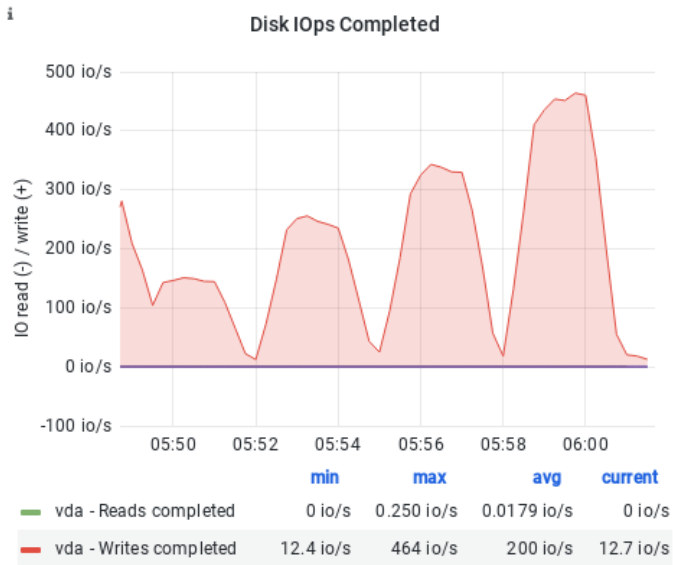


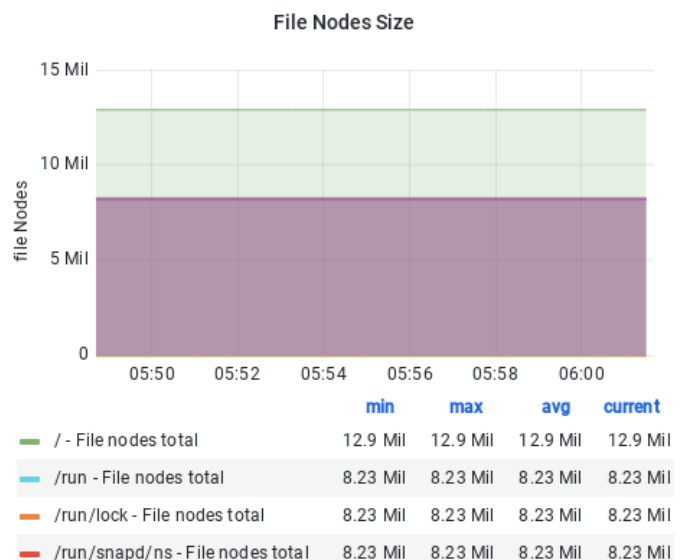
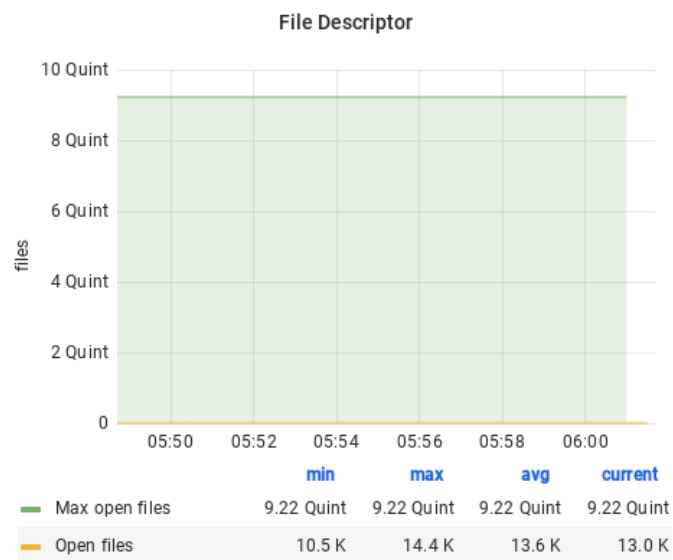
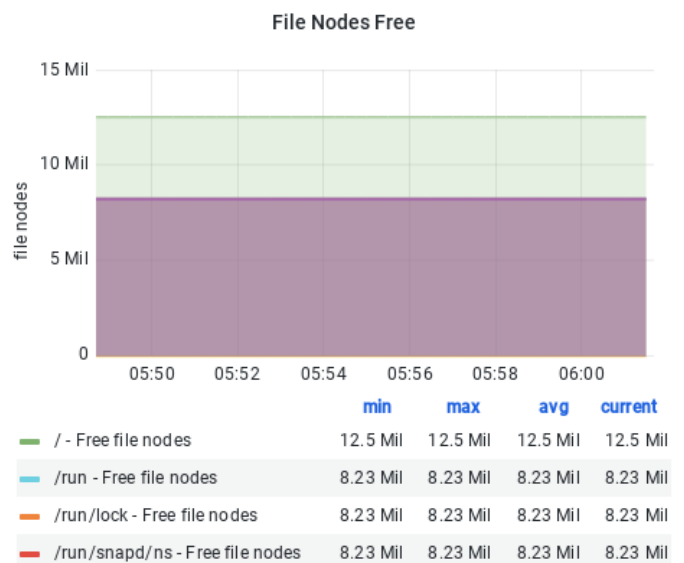
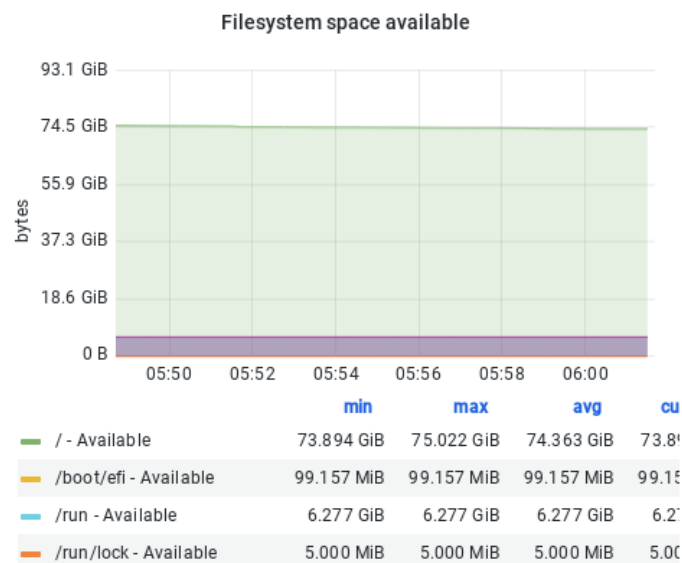
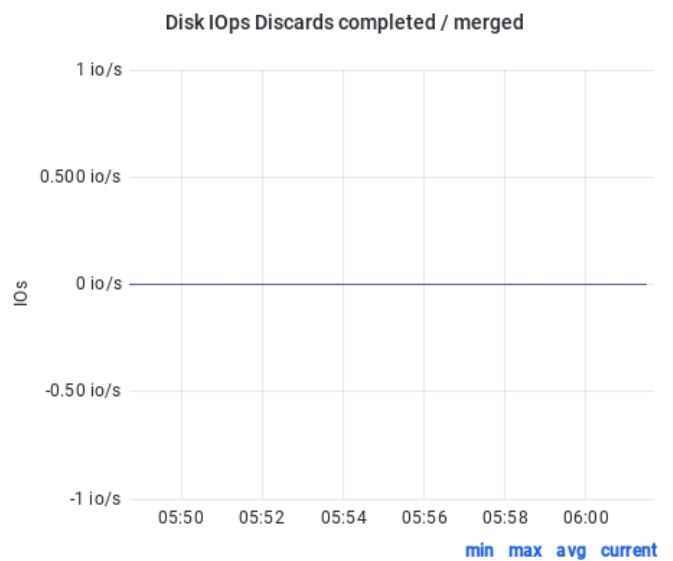
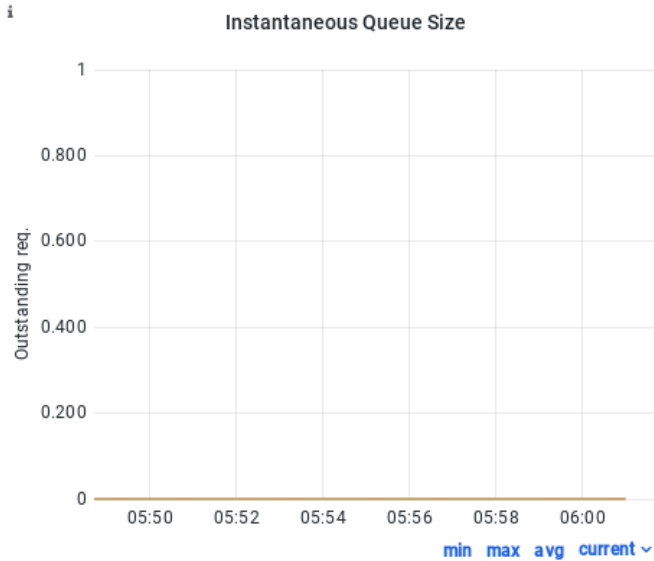
Systemd Sockets



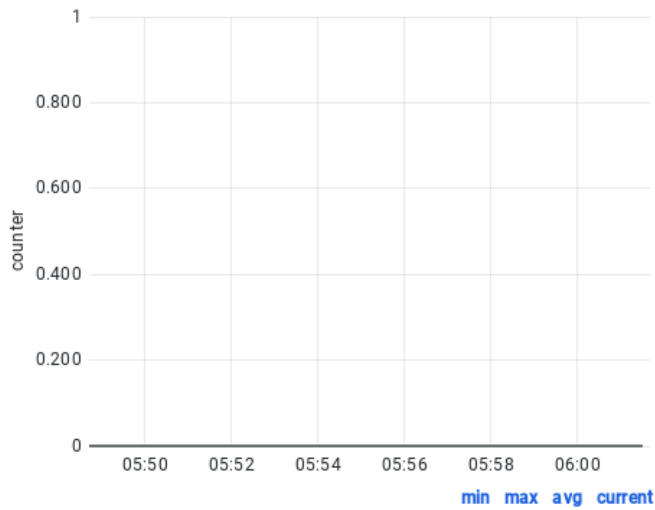
Systemd Units State



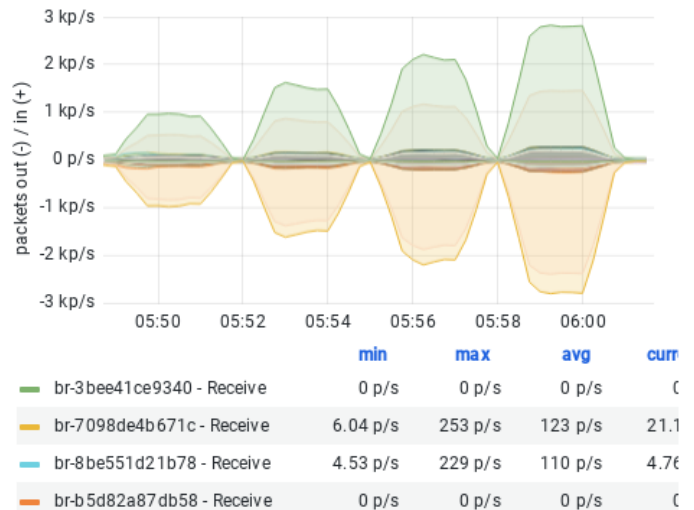




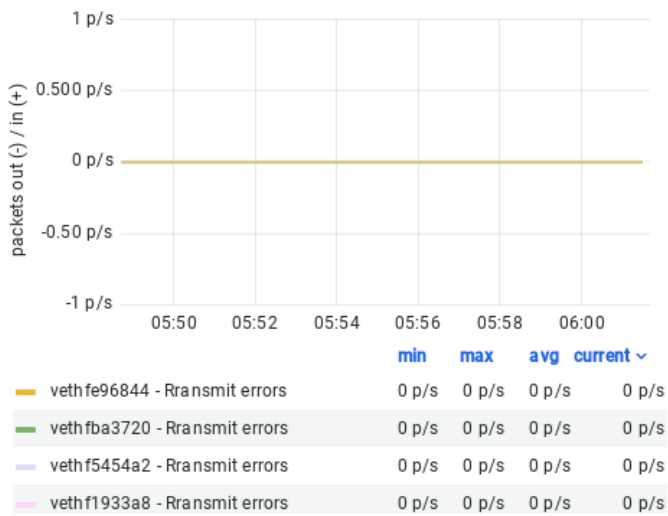
Filesystem in ReadOnly / Error



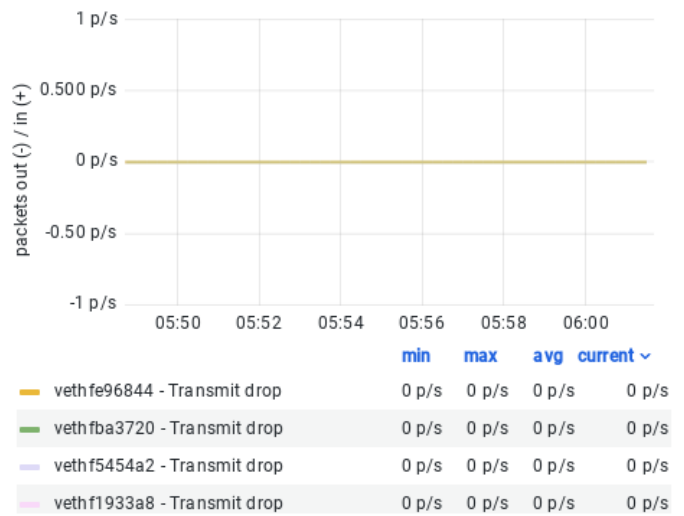
Network Traffic by Packets



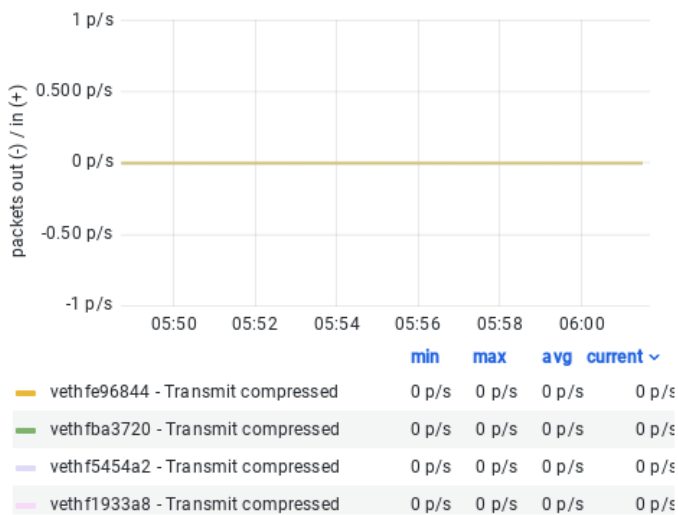
Network Traffic Errors



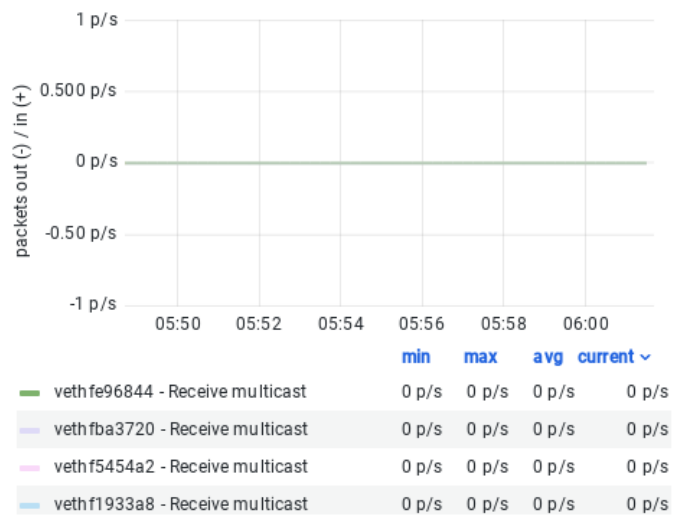
Network Traffic Drop



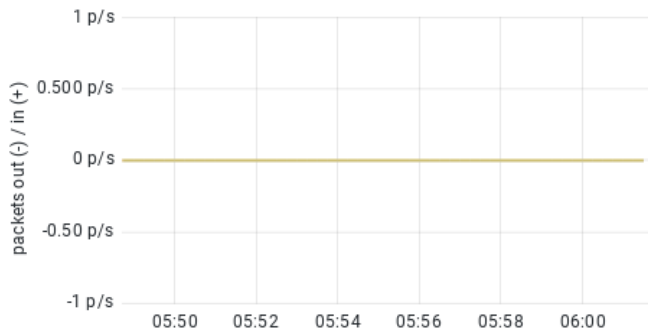
Network Traffic Compressed



Network Traffic Multicast

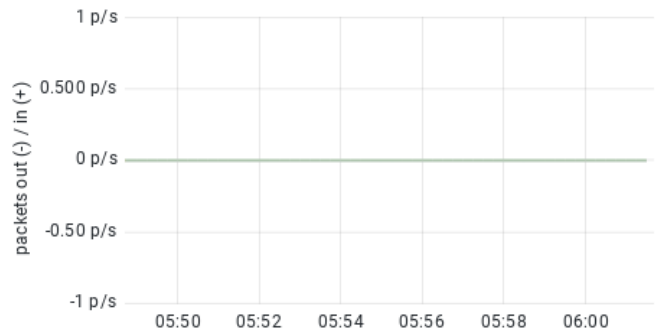


Network Traffic Fifo



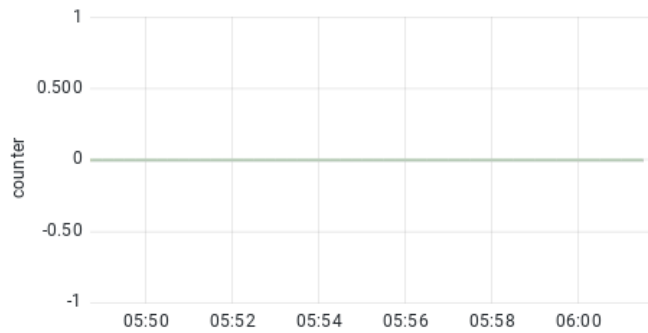
	min	max	avg	current
vethfe96844 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethfba3720 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf5454a2 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s
vethf1933a8 - Transmit fifo	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Frame



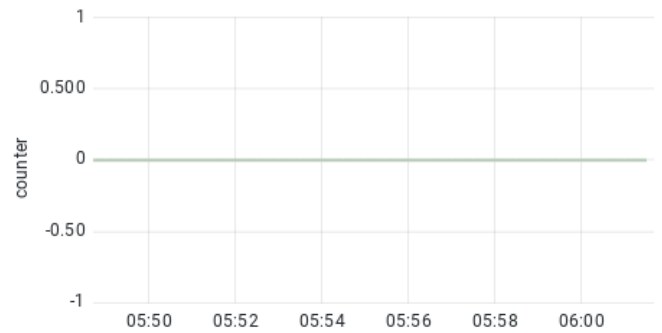
	min	max	avg	current
vethfe96844 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethfba3720 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf5454a2 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s
vethf1933a8 - Receive frame	0 p/s	0 p/s	0 p/s	0 p/s

Network Traffic Carrier



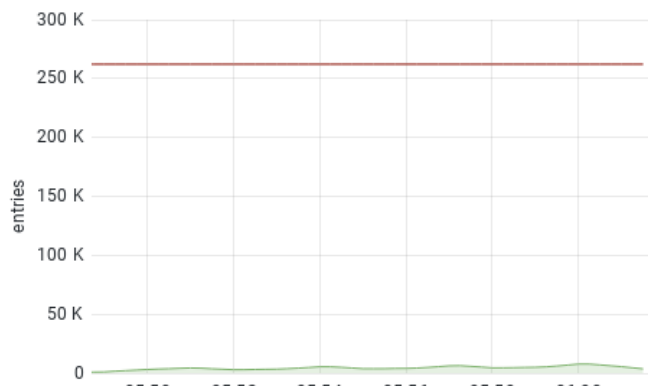
	min	max	avg	current
vethfe96844 - Statistic transmit_carrier	0	0	0	0
vethfba3720 - Statistic transmit_carrier	0	0	0	0
vethf5454a2 - Statistic transmit_carrier	0	0	0	0
vethf1933a8 - Statistic transmit_carrier	0	0	0	0

Network Traffic Colls



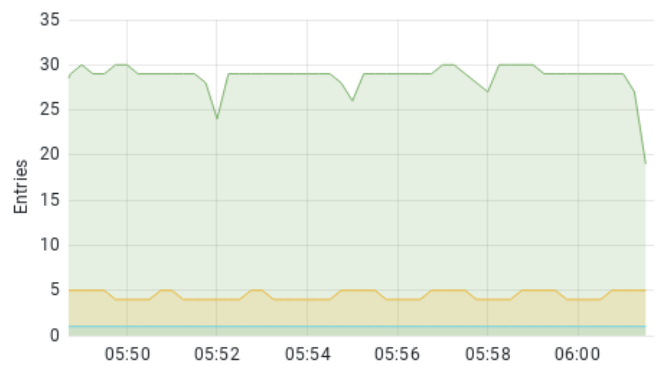
	min	max	avg	current
vethfe96844 - Transmit colls	0	0	0	0
vethfba3720 - Transmit colls	0	0	0	0
vethf5454a2 - Transmit colls	0	0	0	0
vethf1933a8 - Transmit colls	0	0	0	0

NF Contrack



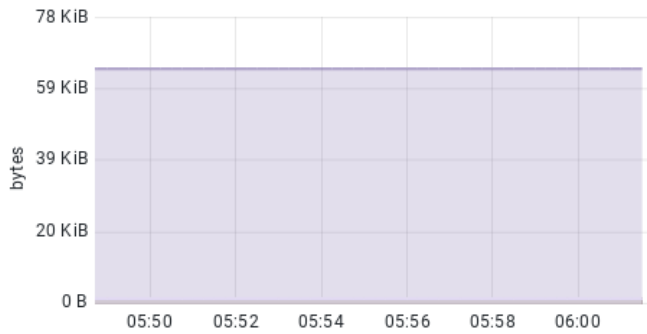
	min	max	avg	current
NF conntrack entries	608	7.65 K	4.28 K	3.62 K
NF conntrack limit	262 K	262 K	262 K	262 K

ARP Entries



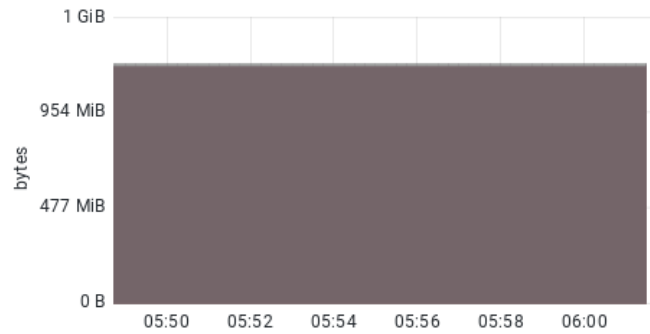
	min	max	avg	current
br-7098de4b671c - ARP entries	19	30	28.6	19
br-8be551d21b78 - ARP entries	4	5	4.47	5
ens3 - ARP entries	1	1	1	1

MTU



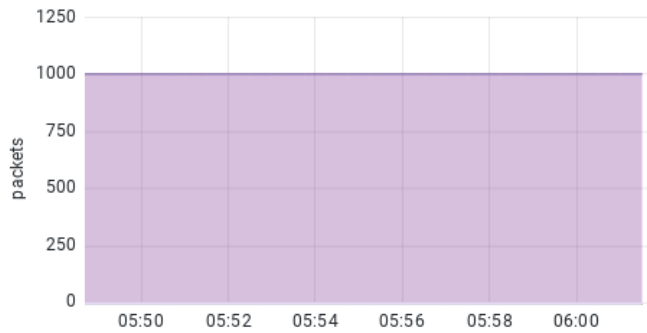
	min	max	avg	current
br-3bee41ce9340 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-7098de4b671c - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-8be551d21b78 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB
br-b5d82a87db58 - Bytes	1.5 KiB	1.5 KiB	1.5 KiB	1.5 KiB

Speed



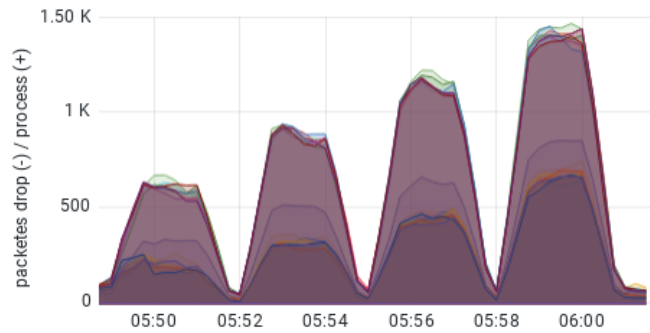
	min	max	avg	current
ens3 - Speed	-122.1 KiB	-122.1 KiB	-122.1 KiB	-122.1 KiB
veth039781e - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth0e134bb - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB
veth120ffcf - Speed	1.2 GiB	1.2 GiB	1.2 GiB	1.2 GiB

Queue Length



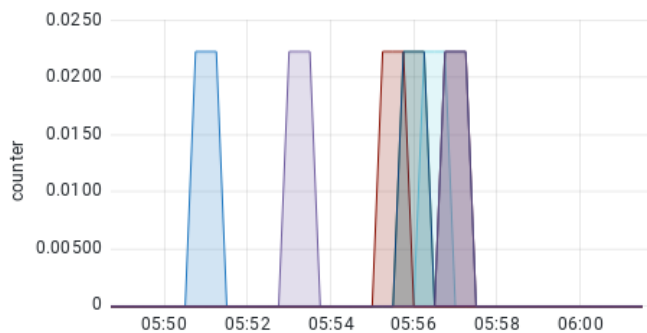
	min	max	a
br-3bee41ce9340 - Interface transmit queue length	0	0	
br-7098de4b671c - Interface transmit queue length	0	0	
br-8be551d21b78 - Interface transmit queue length	0	0	
br-b5d82a87db58 - Interface transmit queue length	0	0	

Softnet Packets



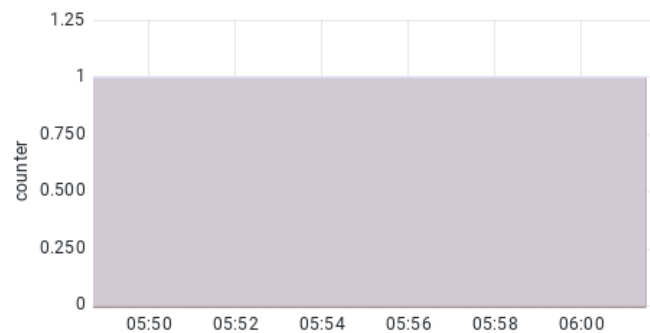
	min	max	avg	current
CPU 1 - Processed	10.8	749	287	82.6
CPU 2 - Processed	48.1	1.40 K	644	68.6
CPU 10 - Processed	45.2	1.41 K	632	68.6
CPU 6 - Processed	46.9	1.40 K	635	68.0

Softnet Out of Quota



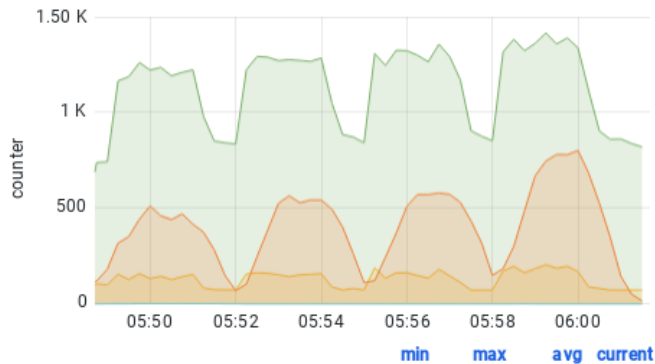
	min	max	avg	current
CPU 9 - Squeezed	0	0.0222	0.00126	0
CPU 8 - Squeezed	0	0	0	0
CPU 7 - Squeezed	0	0.0222	0.00126	0
CPU 6 - Squeezed	0	0.0222	0.00126	0

Network Operational Status



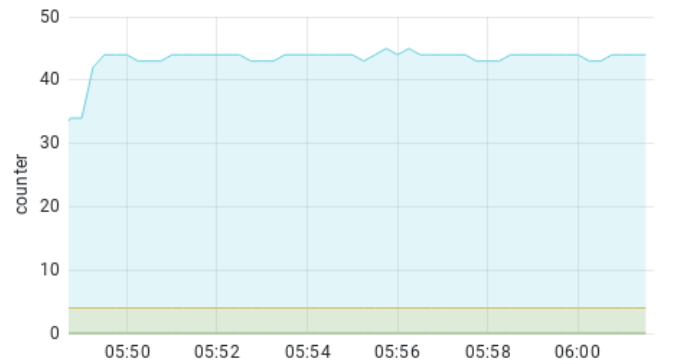
	min	max	avg	current
vethfe96844 - Physical link state	1	1	1	1
vethfba3720 - Physical link state	1	1	1	1
vethf5454a2 - Physical link state	1	1	1	1
vethf1933a8 - Physical link state	1	1	1	1

### Sockstat TCP



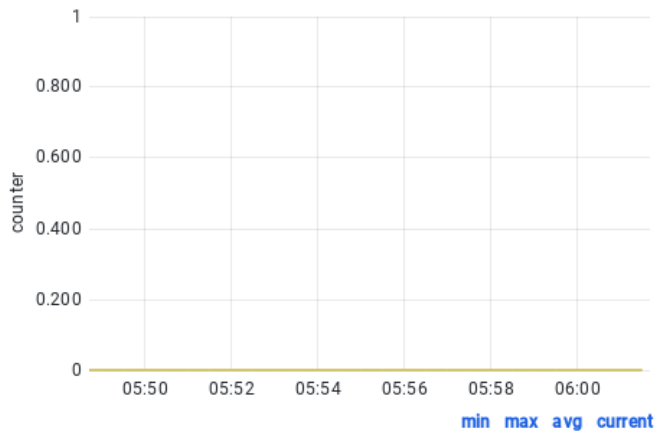
	min	max	avg	current
TCP_alloc - Allocated sockets	435	1.42 K	1.12 K	820
TCP_inuse - Tcp sockets currently in use	68	205	129	73
TCP_orphan - Orphan sockets	0	2	0.415	0
TCP_tw - Sockets wating close	16	802	395	16

### Sockstat UDP



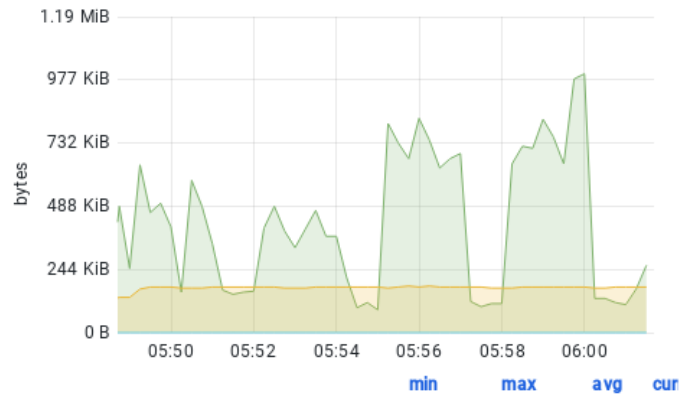
	min	max	avg	current
UDPLITE_inuse - Udp sockets currently in use	0	0	0	0
UDP_inuse - Udp sockets currently in use	4	4	4	4
UDP_mem - Used memory for udp	31	45	43.2	44

### Sockstat FRAG / RAW



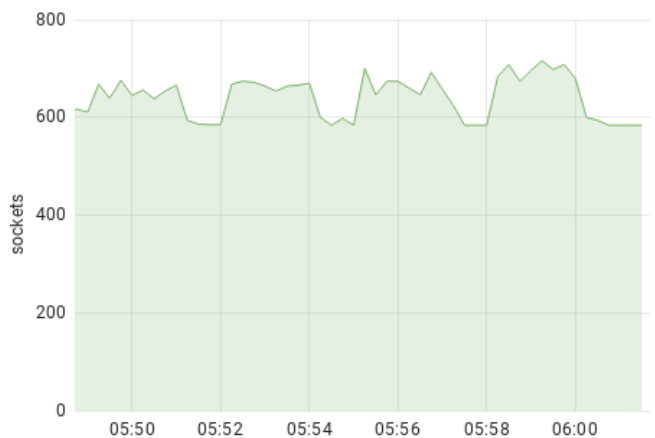
	min	max	avg	current
FRAG_inuse - Frag sockets currently in use	0	0	0	0
RAW_inuse - Raw sockets currently in use	0	0	0	0

### Sockstat Memory Size



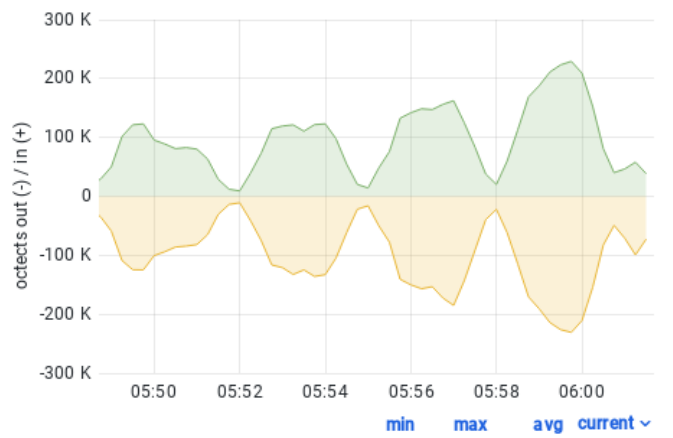
	min	max	avg	cur
mem_bytes - TCP sockets in that state	88 KiB	1000 KiB	420 KiB	26
mem_bytes - UDP sockets in that state	124 KiB	180 KiB	173 KiB	17
FRAG_memory - Used memory for frag	0 B	0 B	0 B	

### Sockstat Used



	min	max	avg	current
Sockets_used - Sockets currently in use	584	716	640	584

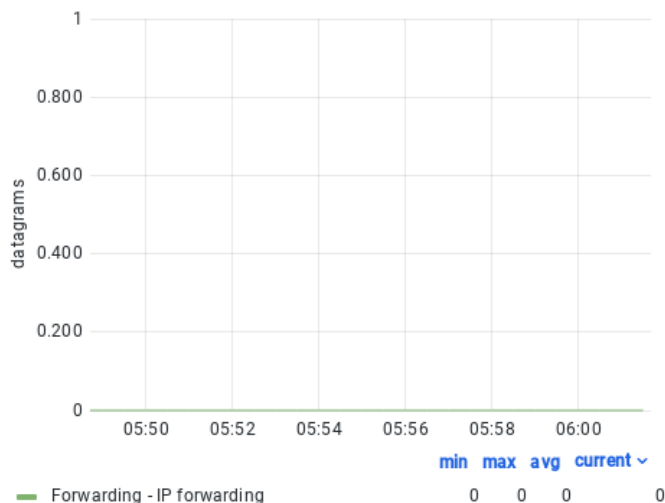
### Netstat IP In / Out Octets



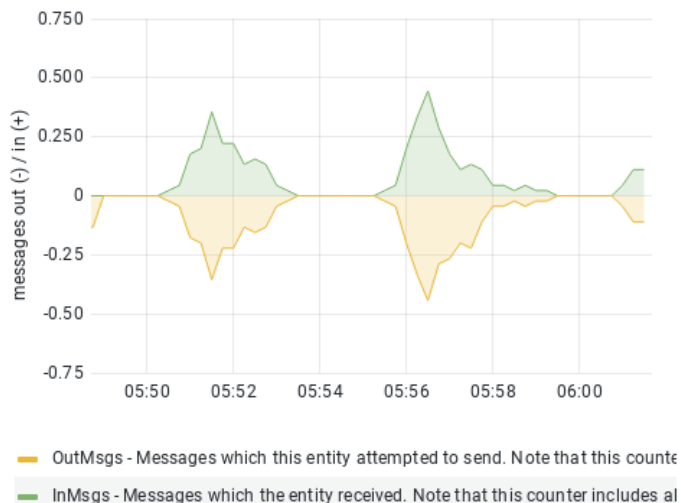
	min	max	avg	current
OutOctets - Sent octets	10.9 K	231 K	103 K	72.7 K
InOctets - Received octets	9.28 K	229 K	96.2 K	38.6 K



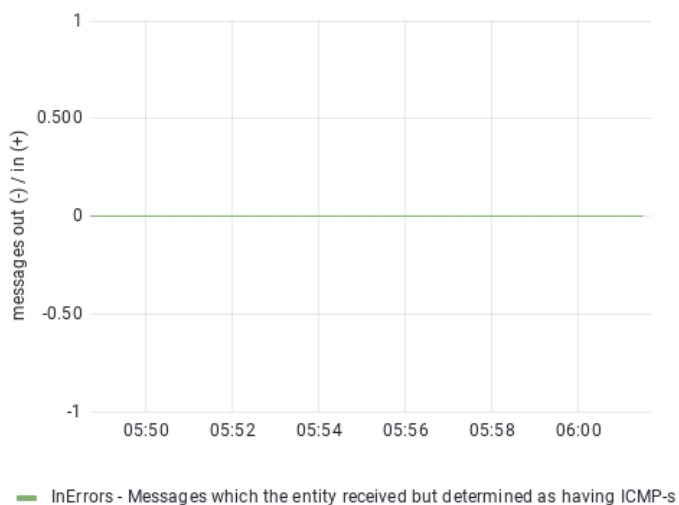
Netstat IP Forwarding



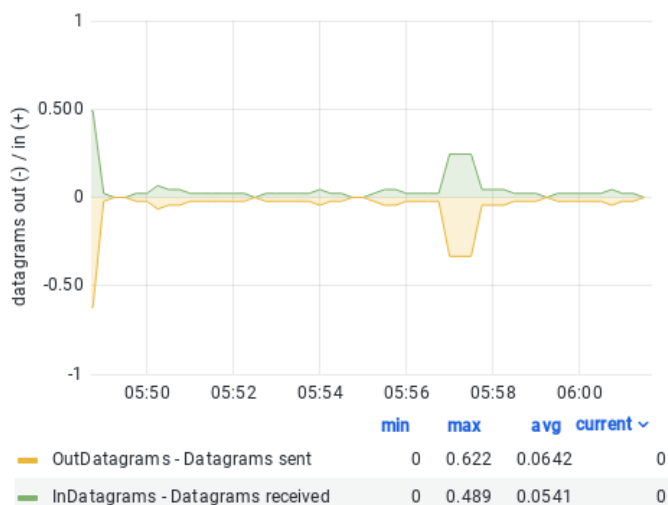
ICMP In / Out



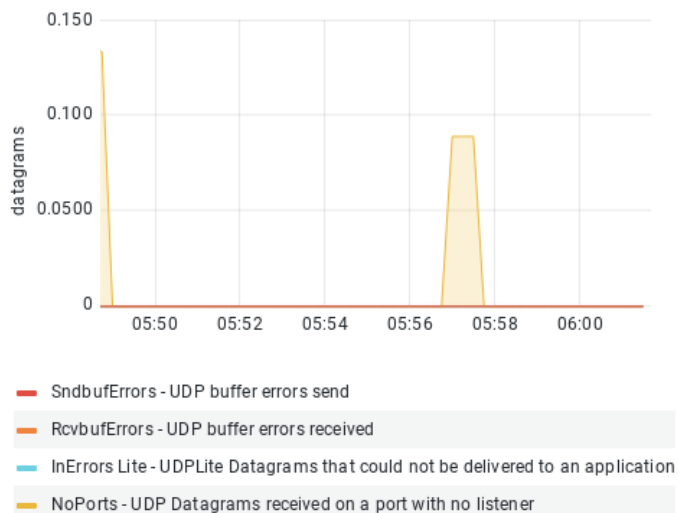
ICMP Errors



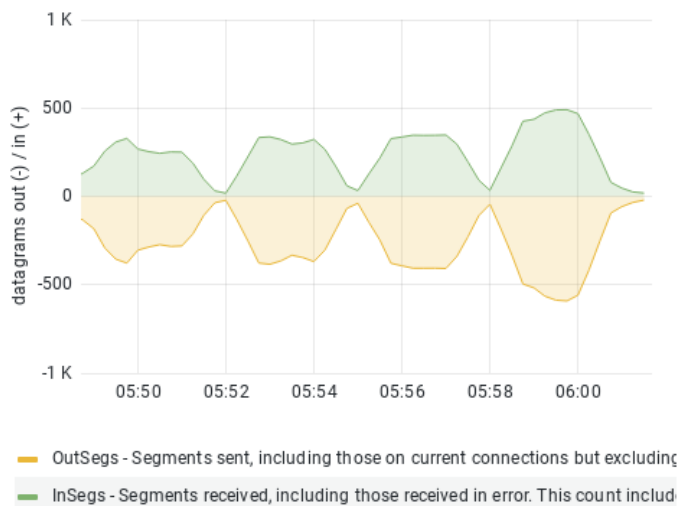
UDP In / Out



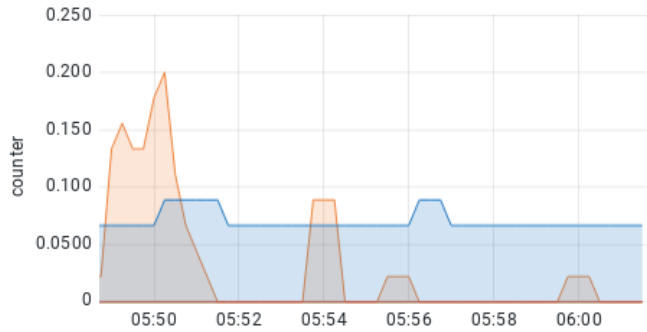
UDP Errors



TCP In / Out

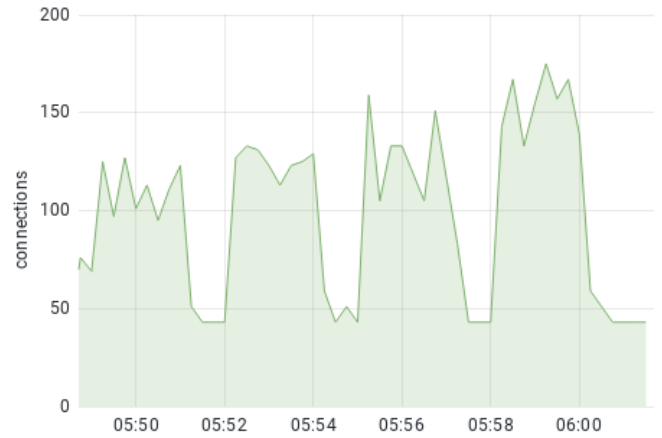


TCP Errors



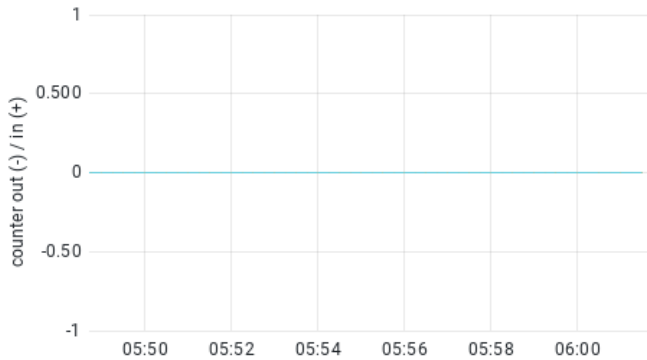
OutRsts - Segments sent with RST flag  
 InErrs - Segments received in error (e.g., bad TCP checksums)  
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr  
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



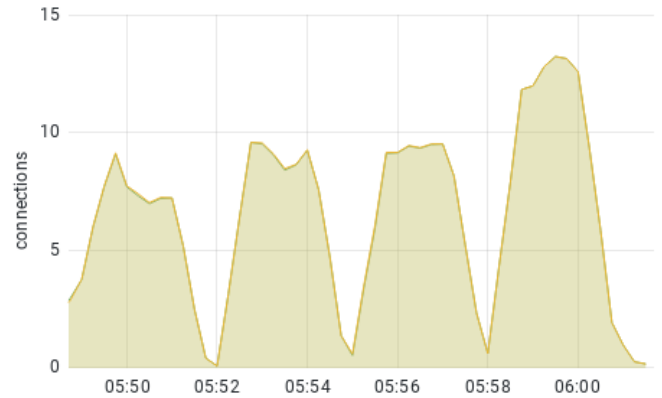
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



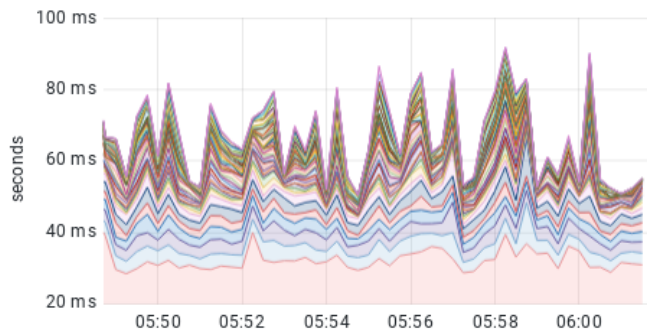
	min	max	avg	current
SyncookiesSent - SYN cookies sent	0	0	0	0
SyncookiesRecv - SYN cookies received	0	0	0	0
SyncookiesFailed - Invalid SYN cookies received	0	0	0	0

TCP Direct Transition



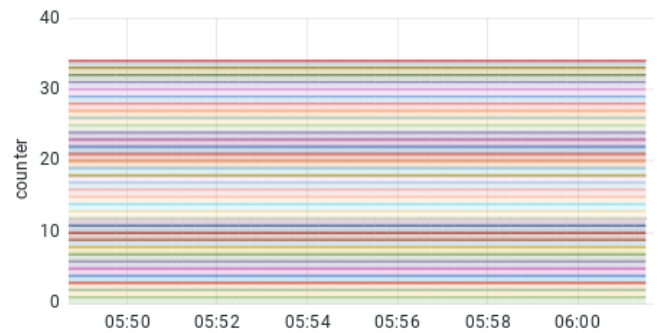
ActiveOpens - TCP connections that have made a direct transition to the SYN-S  
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



	min	max	avg	current
netclass - Scrape duration	28.6 ms	44.4 ms	32.5 ms	31.1
netdev - Scrape duration	1.34 ms	11.4 ms	4.00 ms	3.25
diskstats - Scrape duration	2.18 ms	8.45 ms	3.61 ms	3.15
cpu - Scrape duration	1.36 ms	5.09 ms	2.94 ms	2.88

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