

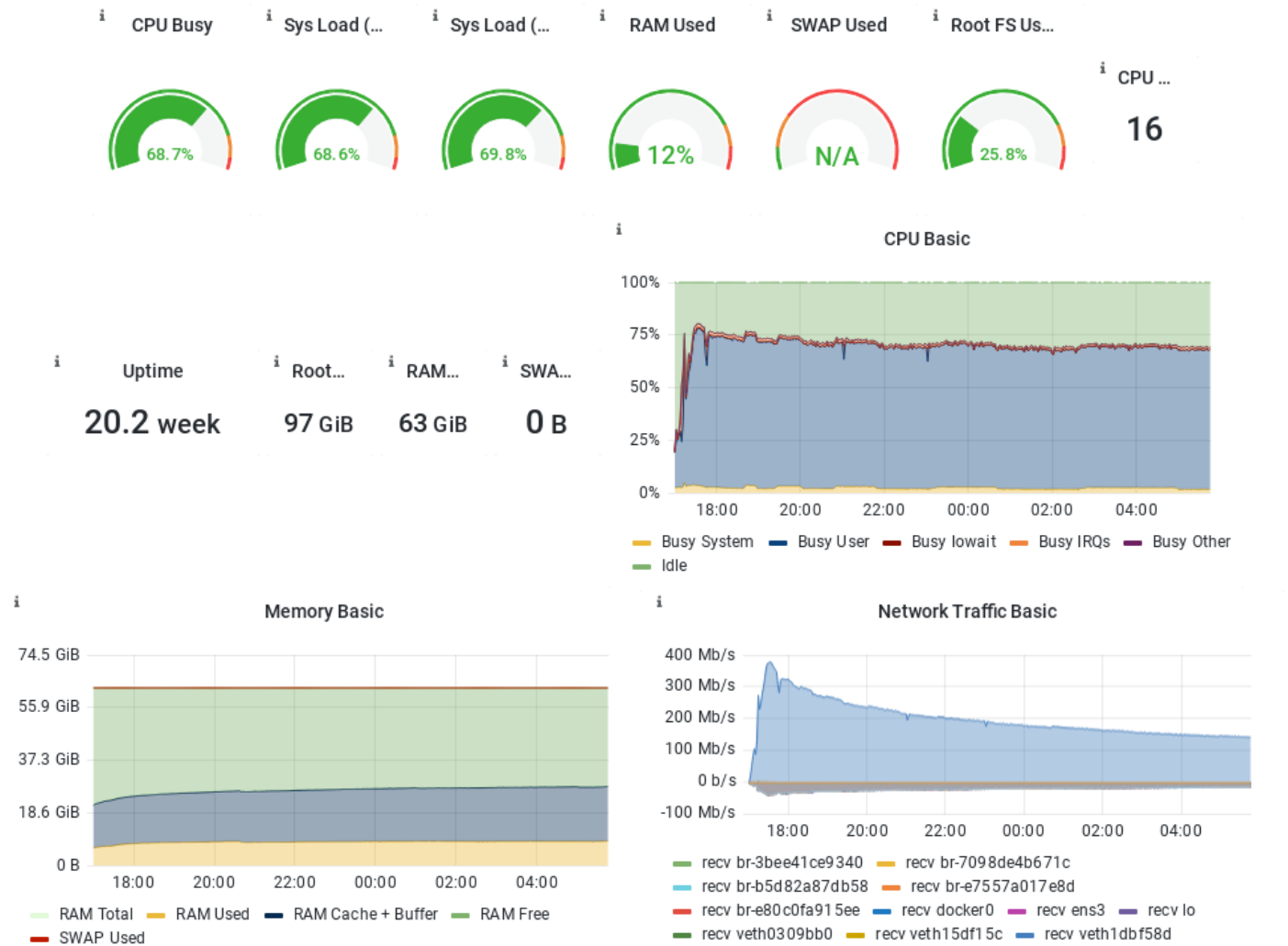
# Host Metrics

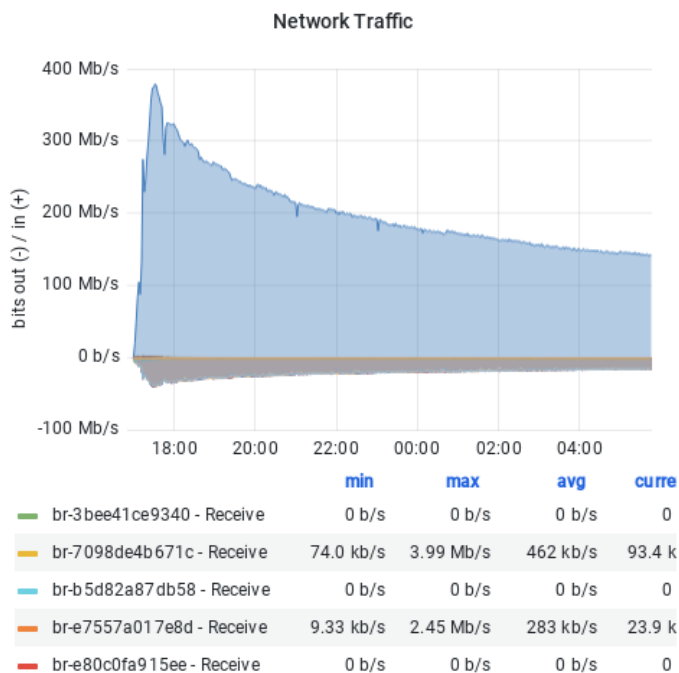
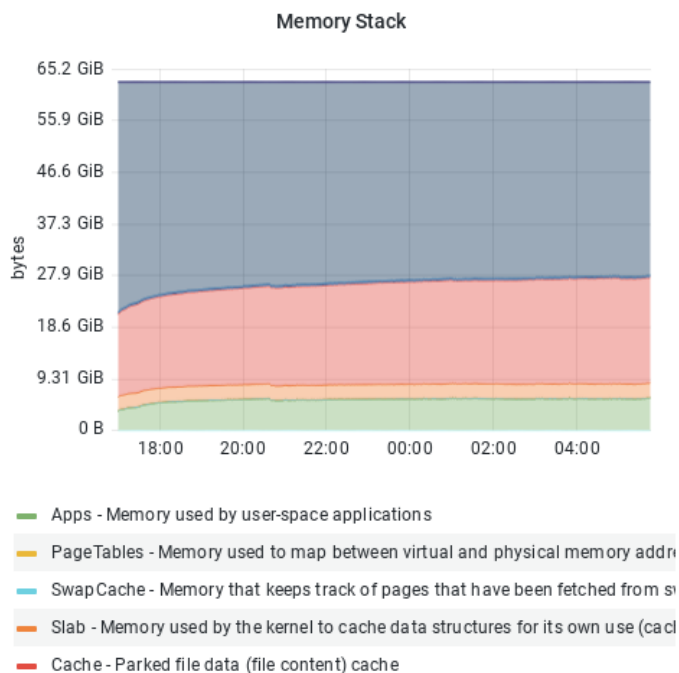
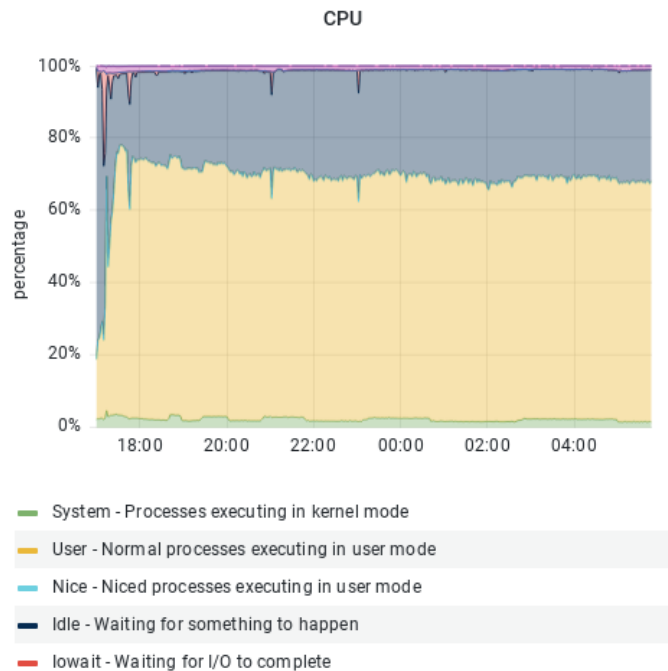
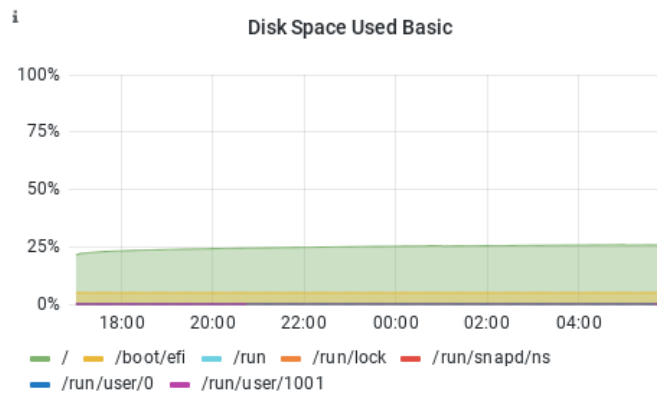
The dashboard visualizes host metrics collected by node\_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Wed Mar 2 16:50:39 UTC 2022

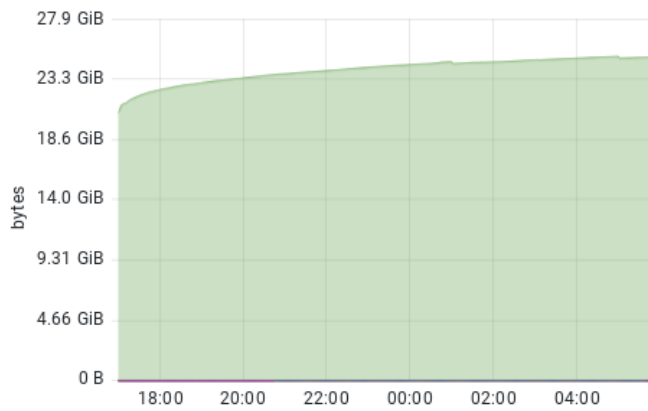
to

Thu Mar 3 05:47:09 UTC 2022



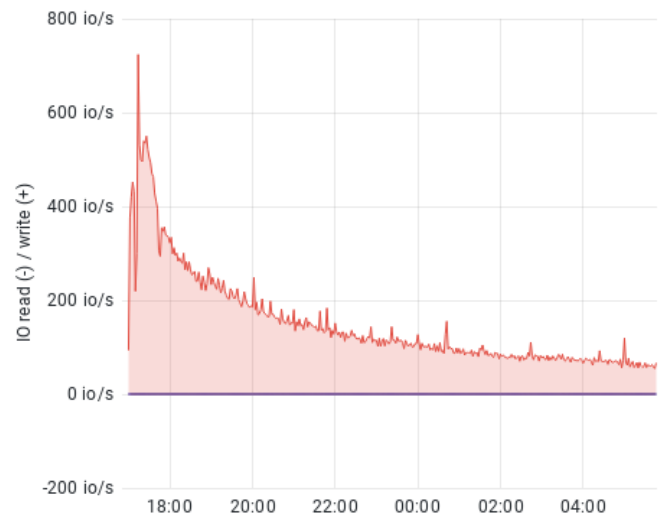


Disk Space Used



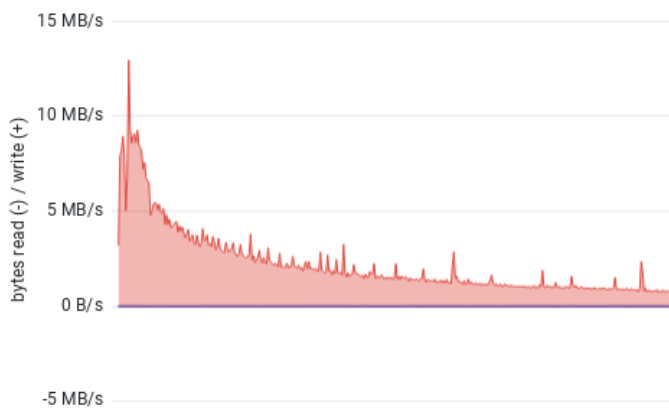
|                | min       | max       | avg       | current ^ |
|----------------|-----------|-----------|-----------|-----------|
| /run/lock      | 0 B       | 0 B       | 0 B       | 0 B       |
| /run/user/0    | 0 B       | 0 B       | 0 B       | 0 B       |
| /run/user/1001 | 0 B       | 0 B       | 0 B       | 0 B       |
| /run           | 3.688 MiB | 3.715 MiB | 3.693 MiB | 3.715 MiB |
| /run/snapd/ns  | 3.688 MiB | 3.715 MiB | 3.693 MiB | 3.715 MiB |

Disk IOps



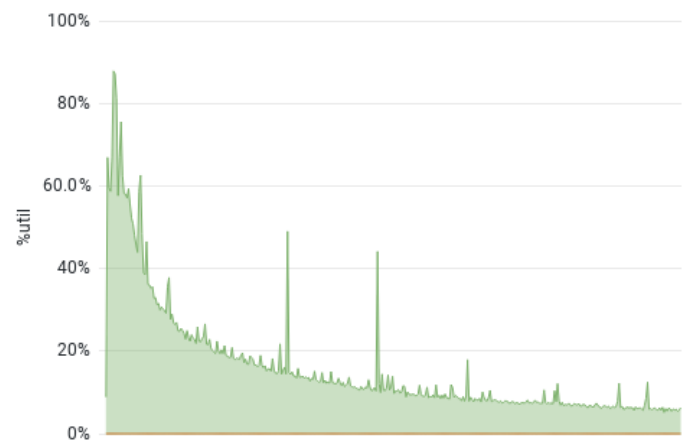
|                        | min       | max         | avg           | curr    |
|------------------------|-----------|-------------|---------------|---------|
| vda - Reads completed  | 0 io/s    | 0.0281 io/s | 0.000510 io/s | 0.00208 |
| vda - Writes completed | 54.4 io/s | 724 io/s    | 150 io/s      | 66.5    |

I/O Usage Read / Write



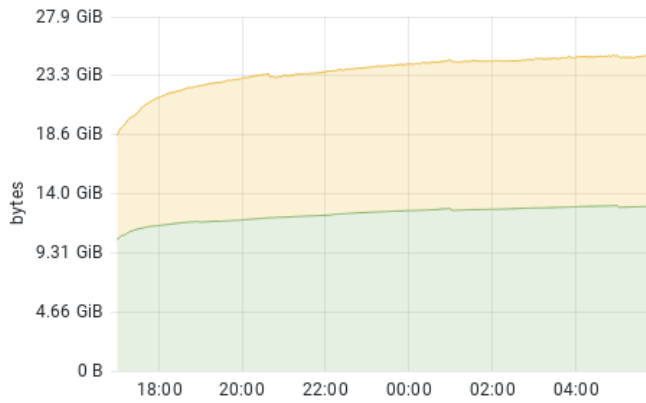
|                                  | min          | max         | avg        |
|----------------------------------|--------------|-------------|------------|
| vda - Successfully read bytes    | 0 B/s        | 1.645 kB/s  | 11.040 B/s |
| vdb - Successfully read bytes    | 0 B/s        | 0 B/s       | 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 | 718.985 kB/s | 12.933 MB/s | 2.208 MB/s |

I/O Utilization



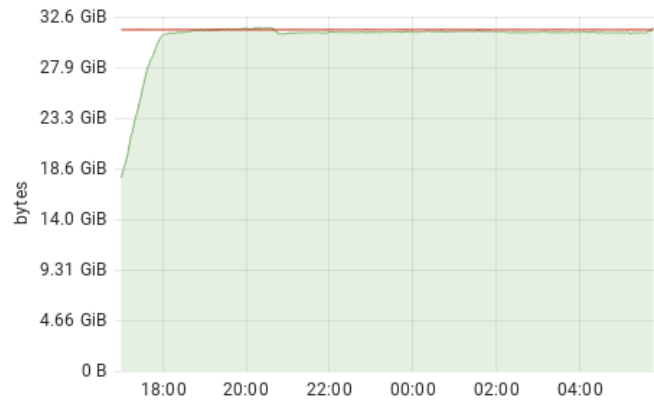
|     | min    | max     | avg     | current |
|-----|--------|---------|---------|---------|
| vda | 5.137% | 87.830% | 15.929% | 6.270%  |
| vdb | 0%     | 0%      | 0%      | 0%      |
| vdc | 0%     | 0%      | 0%      | 0%      |
| vdd | 0%     | 0%      | 0%      | 0%      |

Memory Active / Inactive



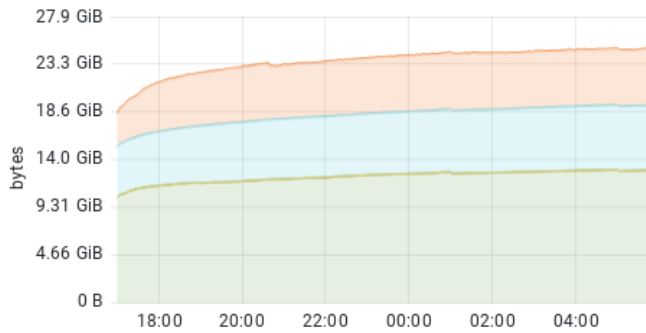
— Inactive - Memory which has been less recently used. It is more eligible to be re  
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



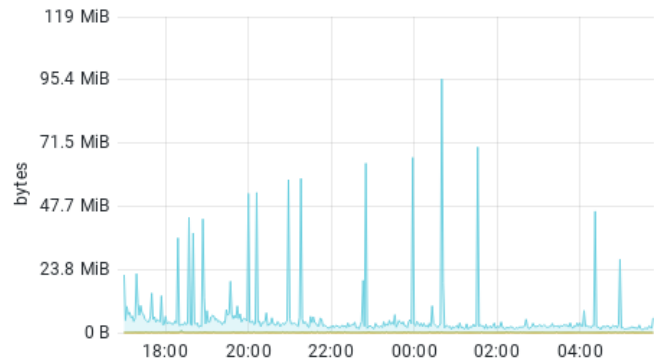
— Committed\_AS - Amount of memory presently allocated on the system  
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



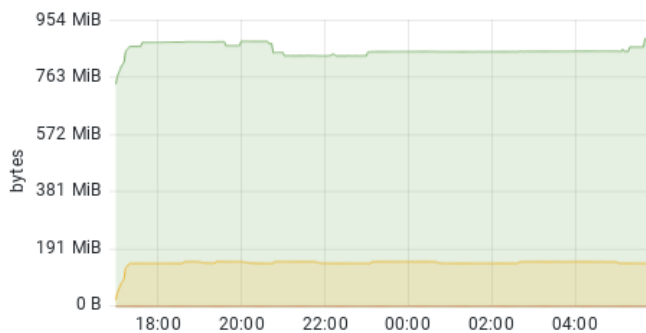
— Inactive\_file - File-backed memory on inactive LRU list  
 — Inactive\_anon - Anonymous and swap cache on inactive LRU list, including tmp  
 — Active\_file - File-backed memory on active LRU list  
 — Active\_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



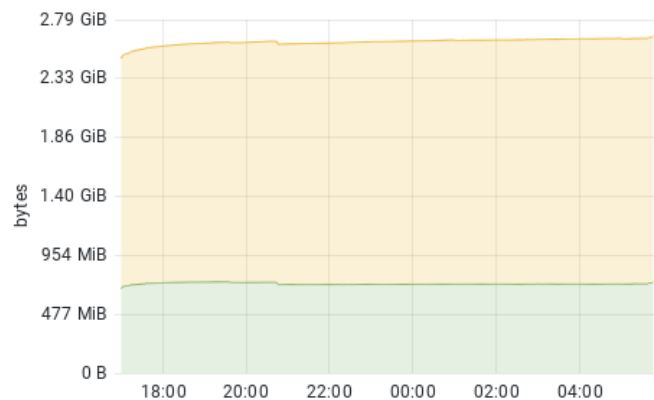
— Writeback - Memory which is actively being written back to disk  
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers  
 — Dirty - Memory which is waiting to get written back to the disk 100

Memory Shared and Mapped



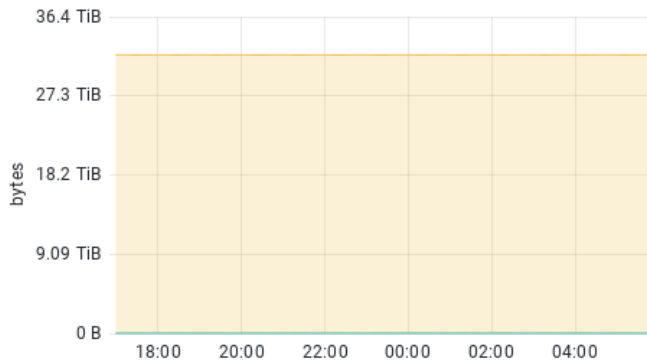
— Mapped - Used memory in mapped pages files which have been mmaped, such  
 — Shmem - Used shared memory (shared between several processes, thus includ  
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc  
 — ShmemPmdMapped - Ammount of shared (shmem/tmpfs) memory backed by

Memory Slab



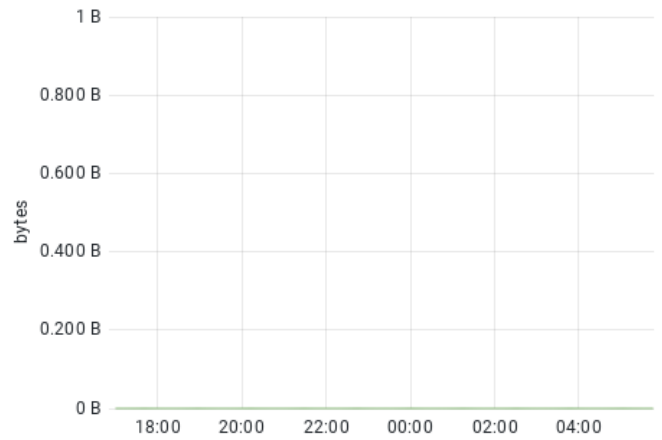
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 68  
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches

Memory Vmalloc



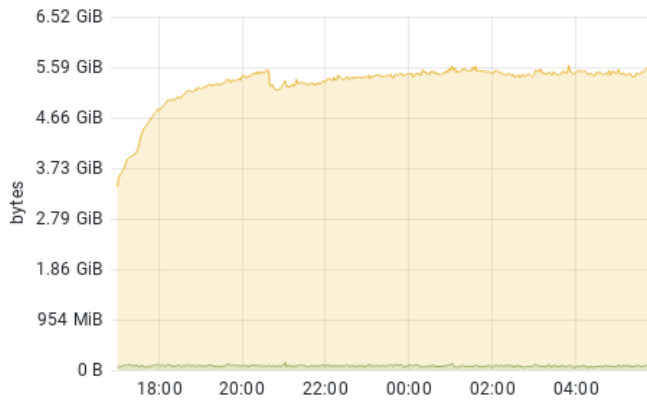
VmallocChunk - Largest contiguous block of vmalloc area which is free  
 VmallocTotal - Total size of vmalloc memory area 32.0  
 VmallocUsed - Amount of vmalloc area which is used 42.5

Memory Bounce



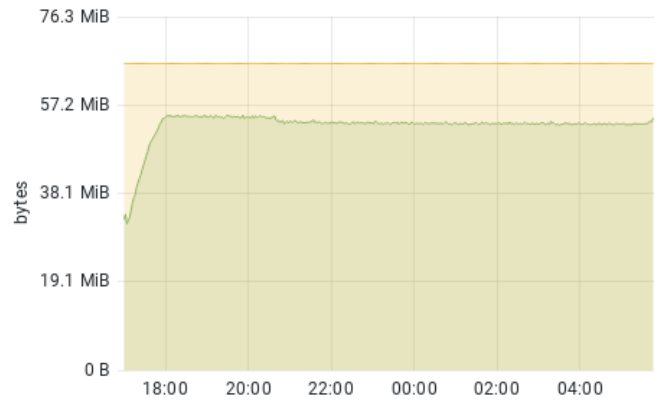
Bounce - Memory used for block device bounce buffers 0 B 0 B 0 B  
 min max avg curr

Memory Anonymous



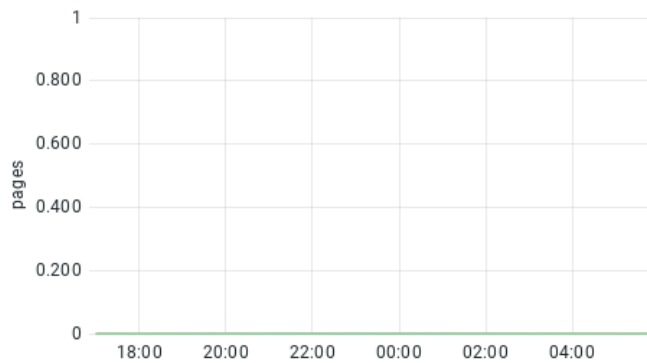
AnonHugePages - Memory in anonymous huge pages 44.00 MiB 144.00  
 AnonPages - Memory in user pages not backed by files 3.38 GiB 5.64  
 min max curr

Memory Kernel / CPU



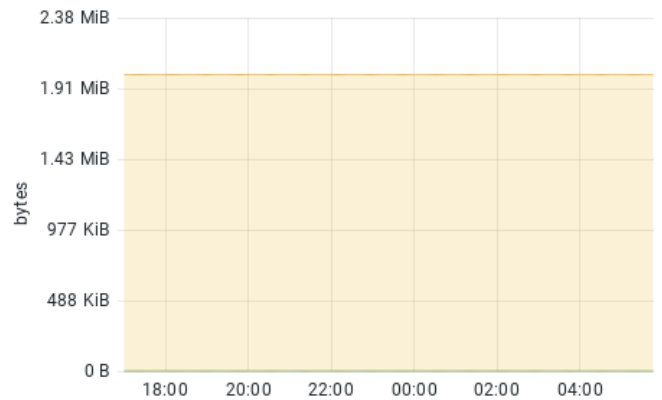
KernelStack - Kernel memory stack. This is not reclaimable 31.5  
 PerCPU - Per CPU memory allocated dynamically by loadable modules 66.1

Memory HugePages Counter



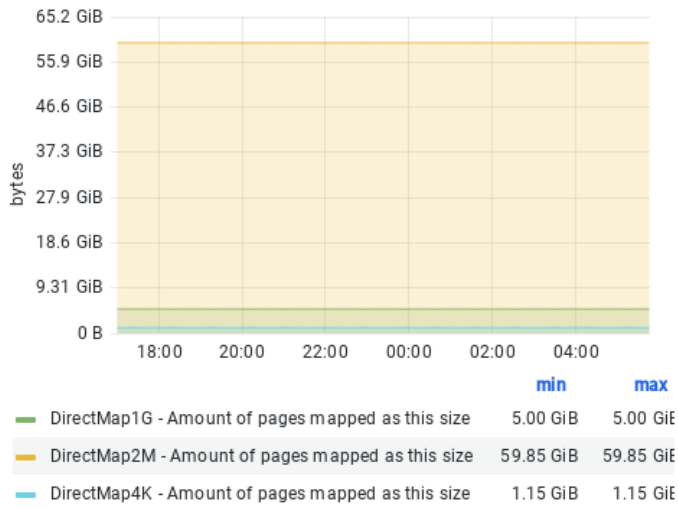
HugePages\_Free - Huge pages in the pool that are not yet allocated  
 HugePages\_Rsvd - Huge pages for which a commitment to allocate from the pool has been made  
 HugePages\_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr\_hugepages

Memory HugePages Size

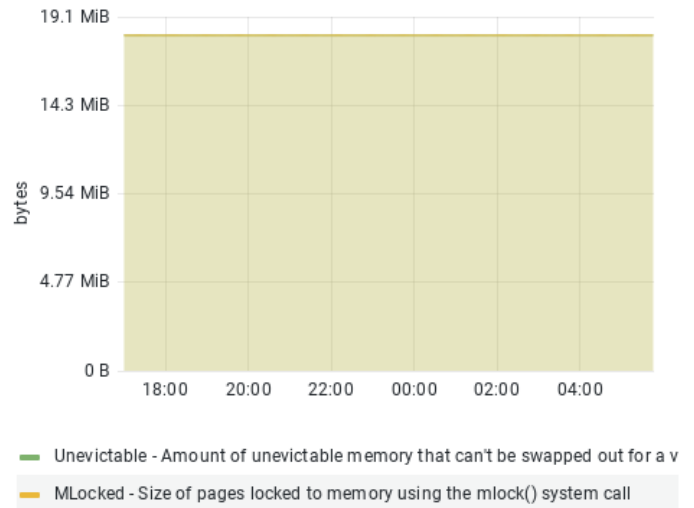


HugePages - Total size of the pool of huge pages 0 B 0 B  
 Hugepagesize - Huge Page size 2.00 MiB 2.00 MiB 2.00 MiB  
 min max curr

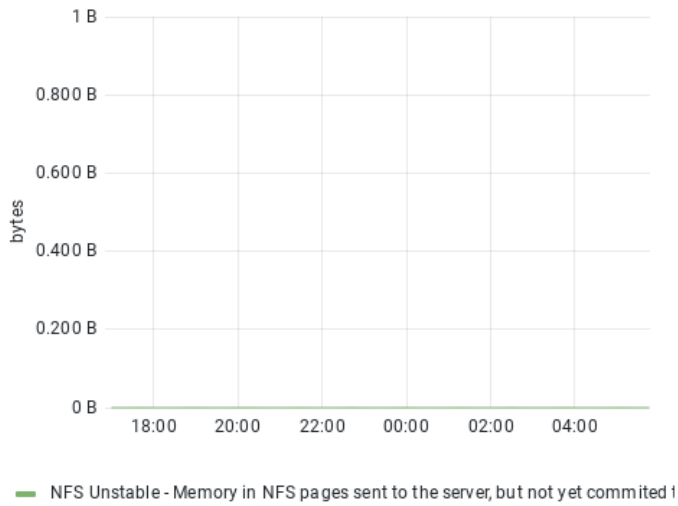
Memory DirectMap



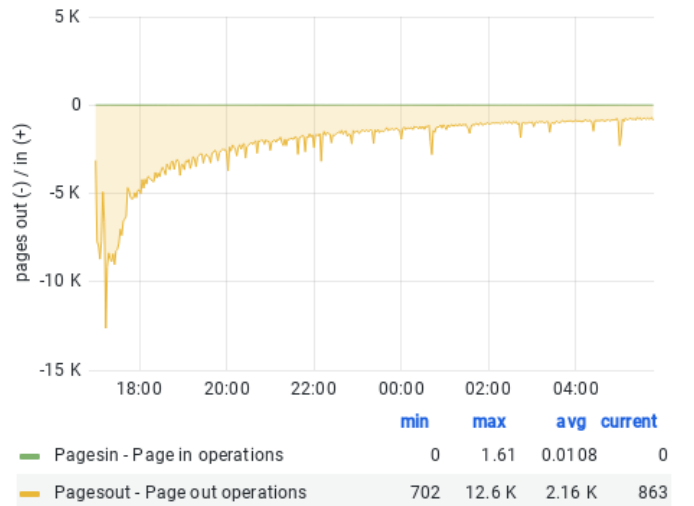
Memory Unevictable and MLocked



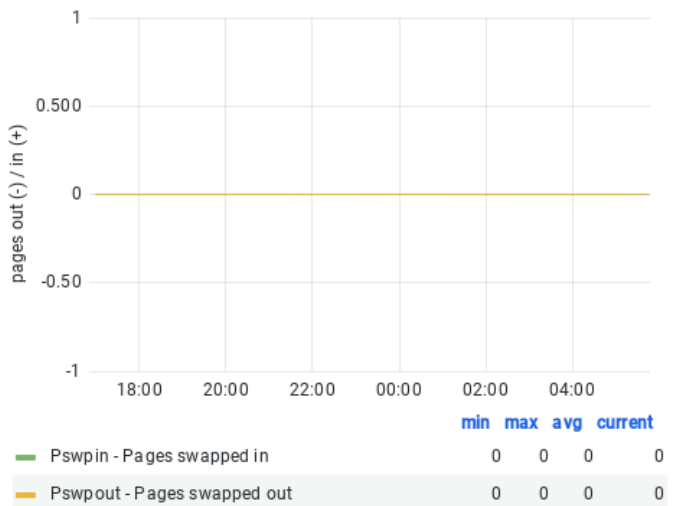
Memory NFS



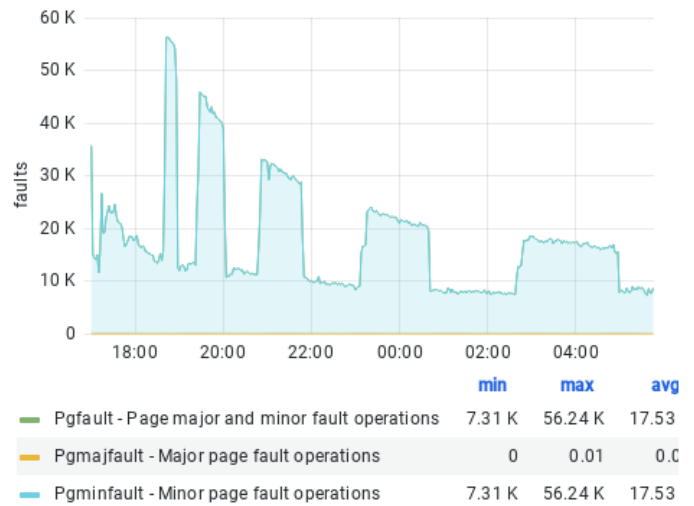
Memory Pages In / Out



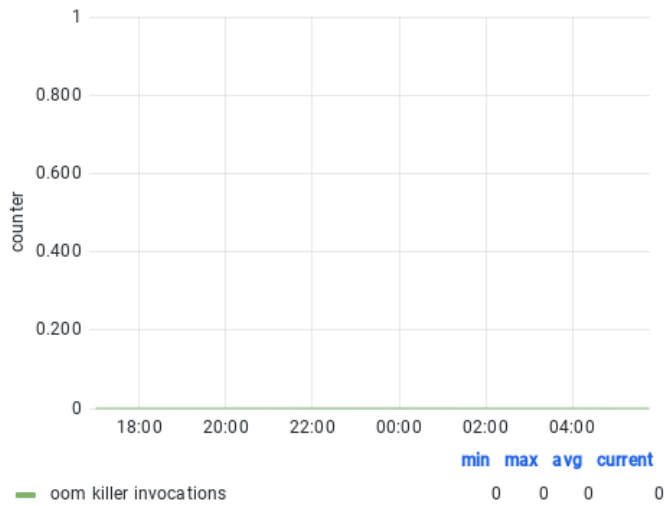
Memory Pages Swap In / Out



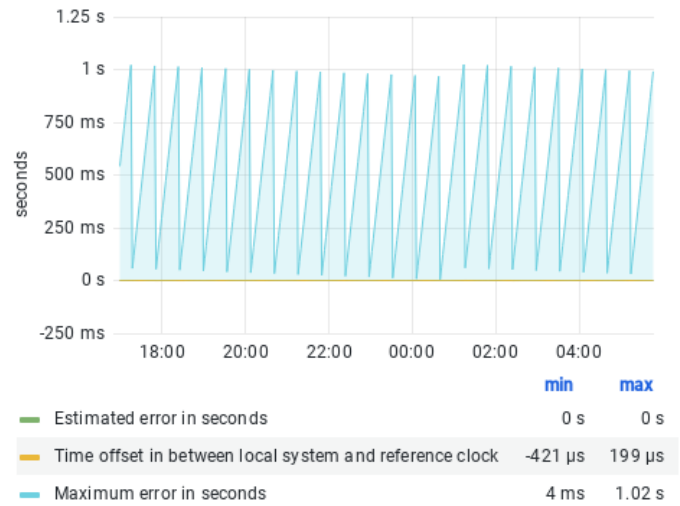
Memory Page Faults



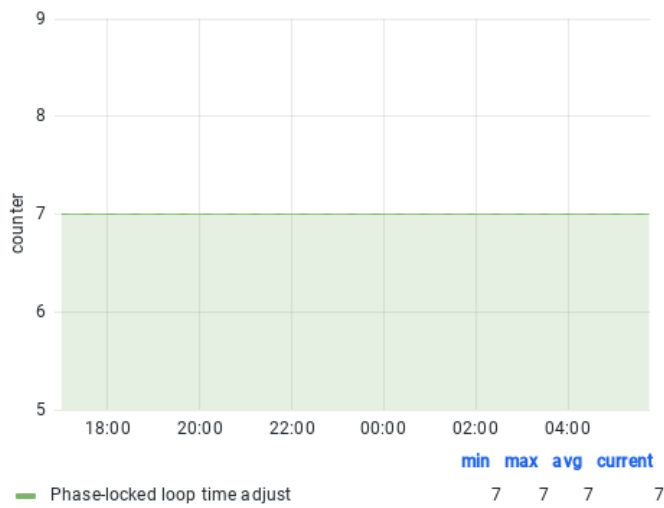
OOM Killer



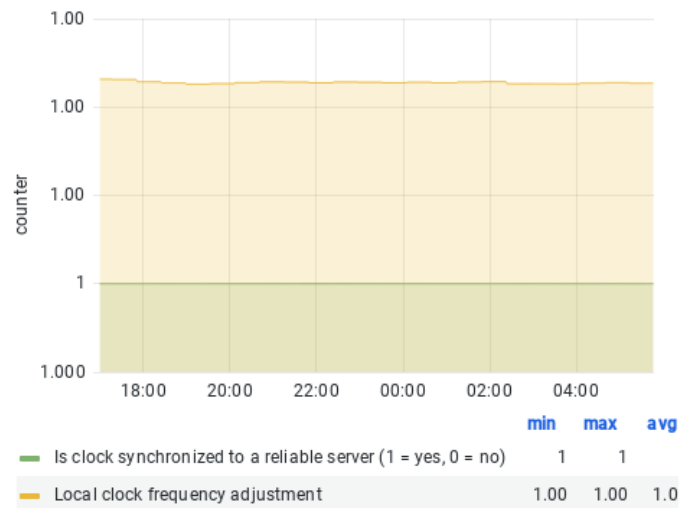
Time Synchronized Drift



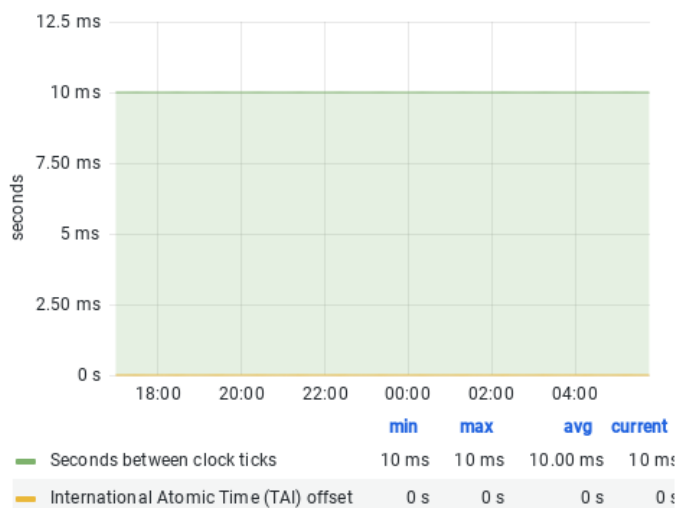
Time PLL Adjust



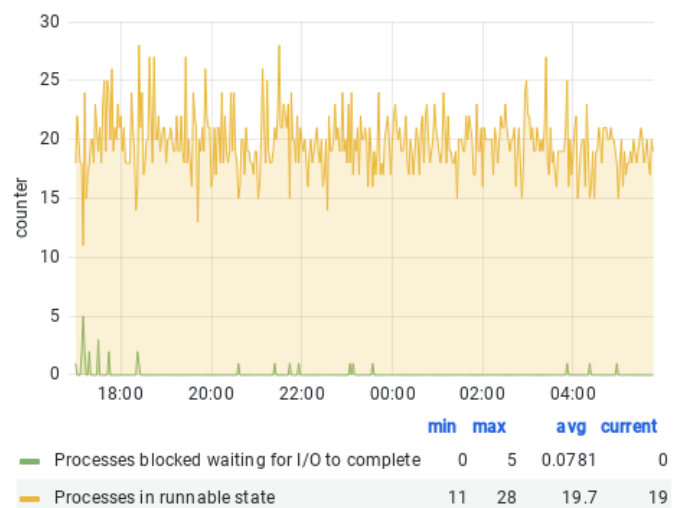
Time Synchronized Status

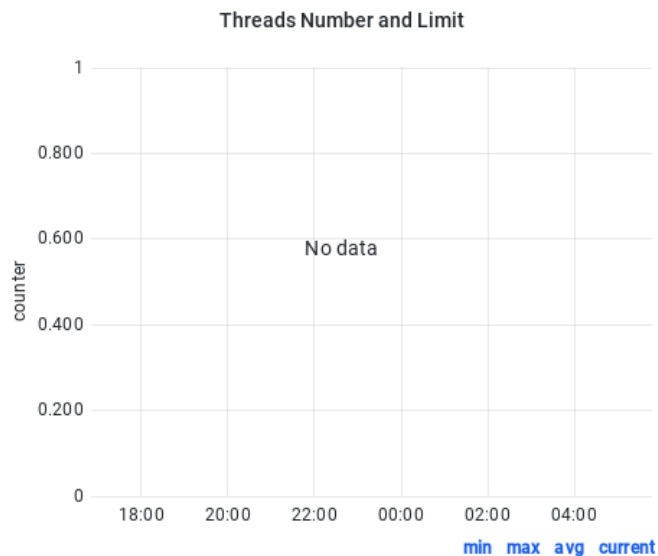
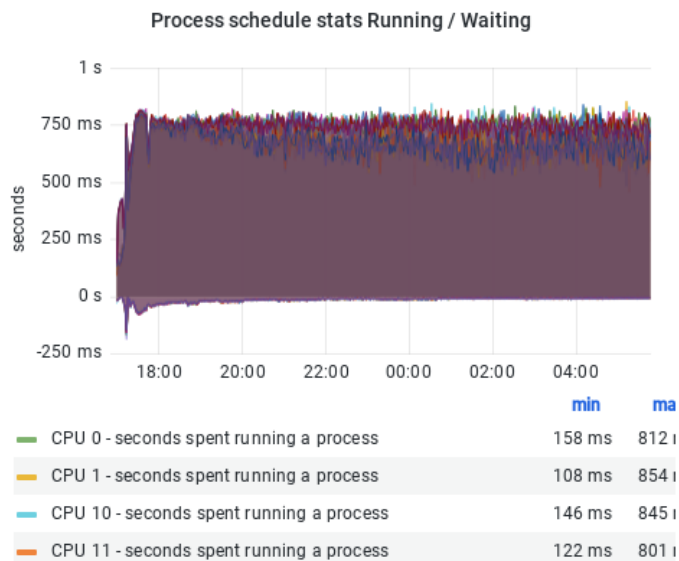
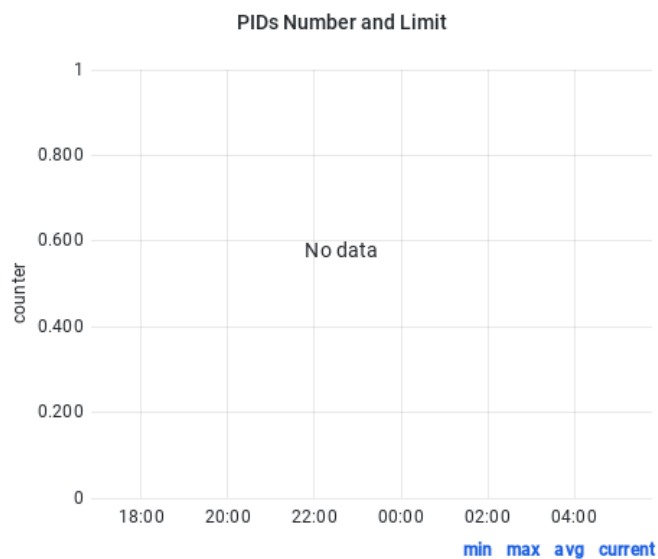
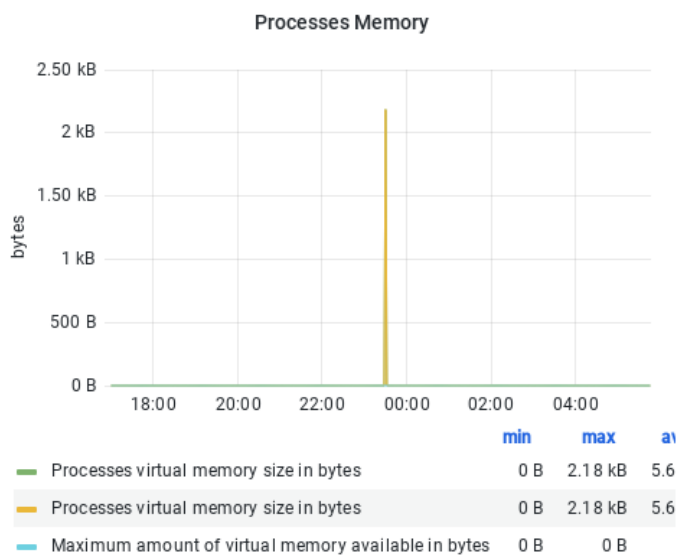
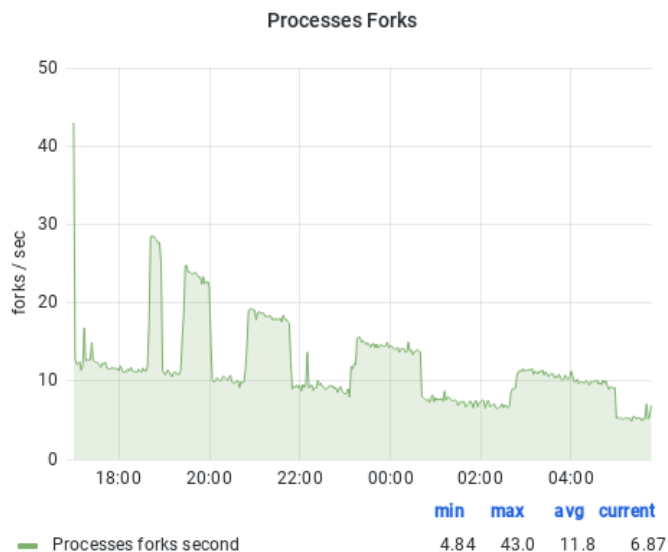
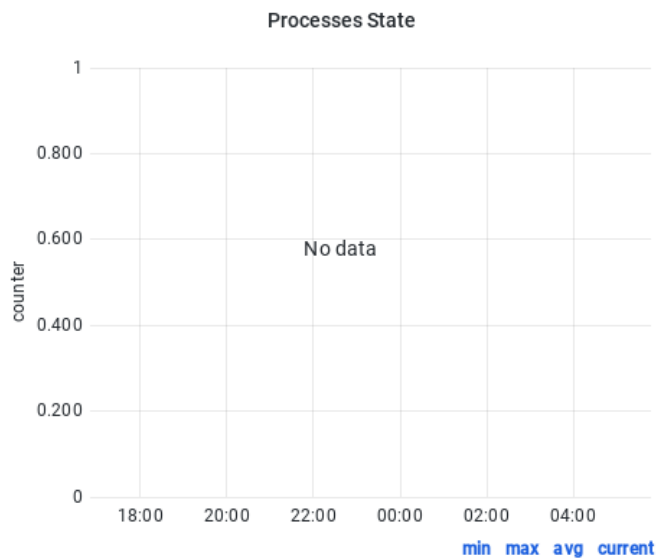


Time Misc



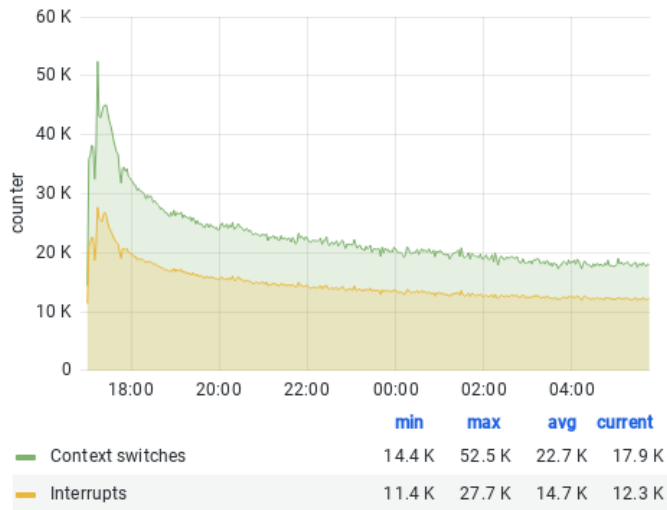
Processes Status



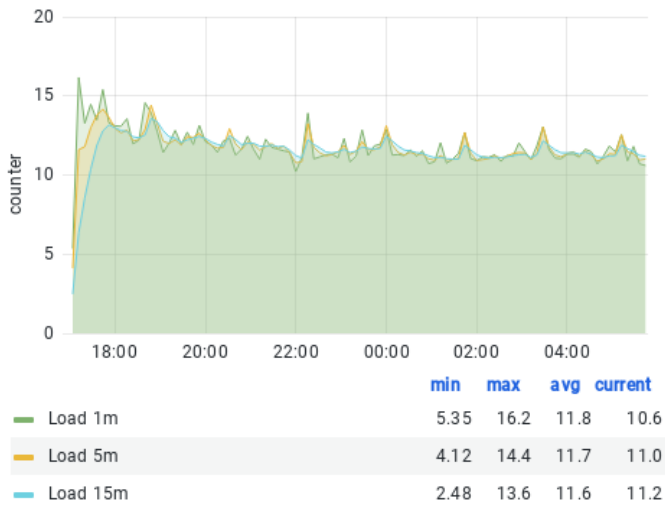




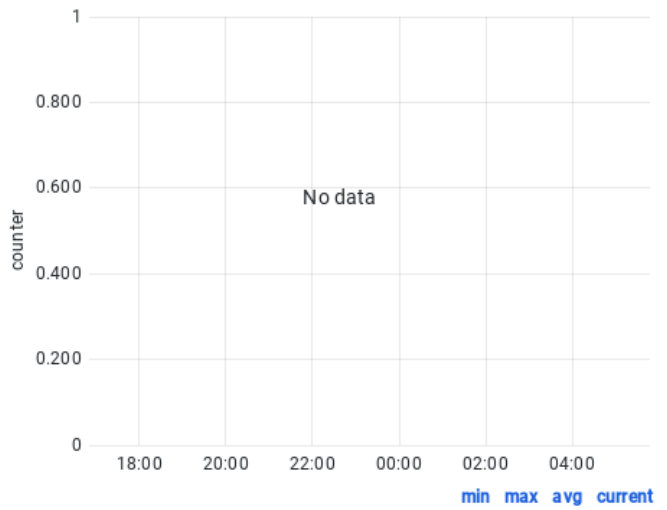
Context Switches / Interrupts



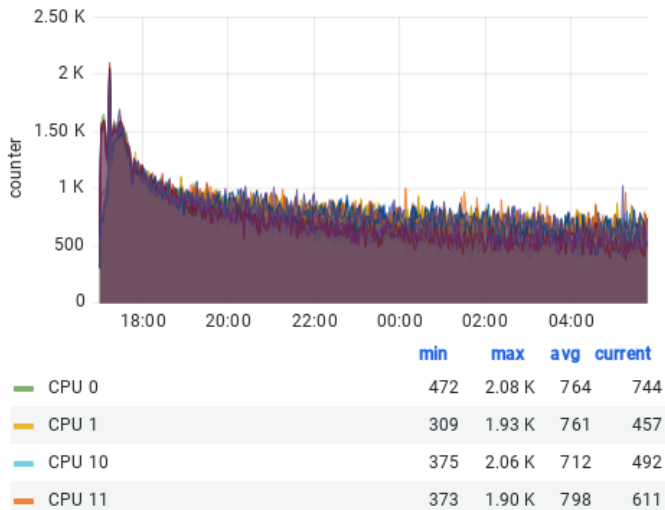
System Load



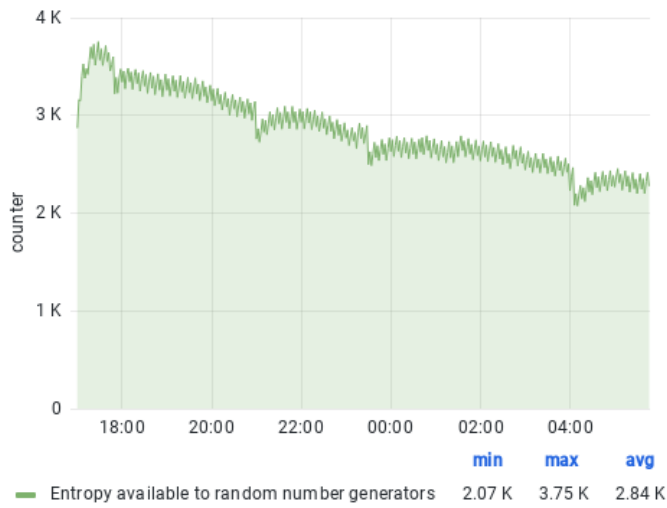
Interrupts Detail



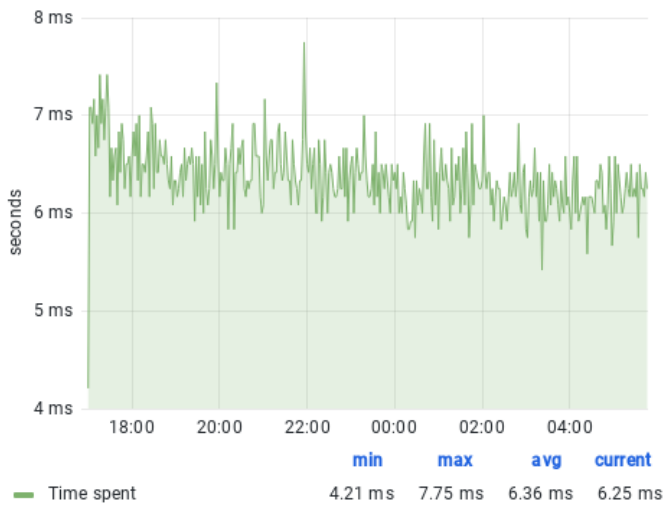
Schedule timeslices executed by each cpu



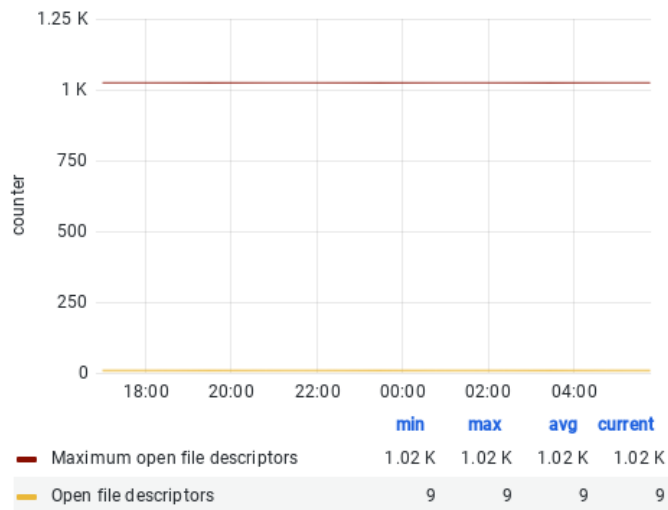
Entropy



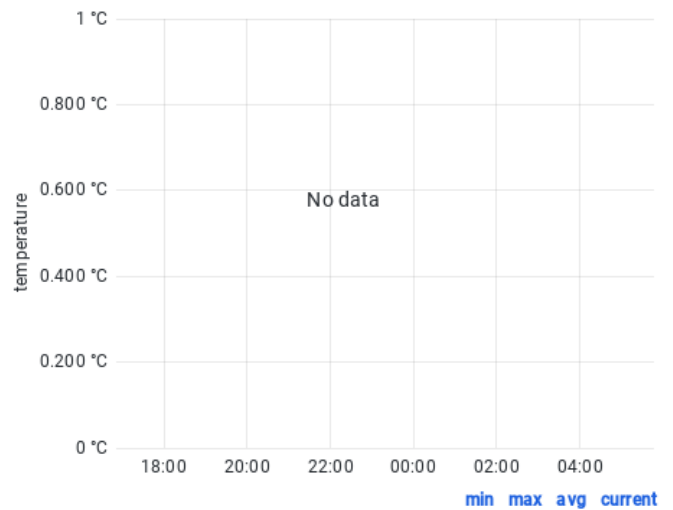
CPU time spent in user and system contexts



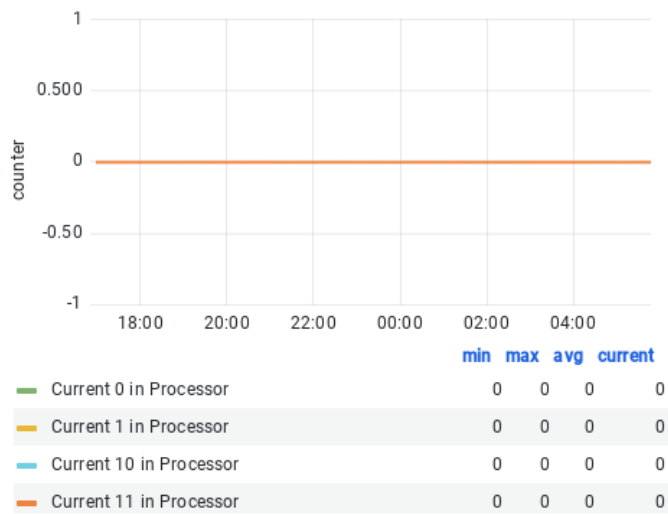
File Descriptors



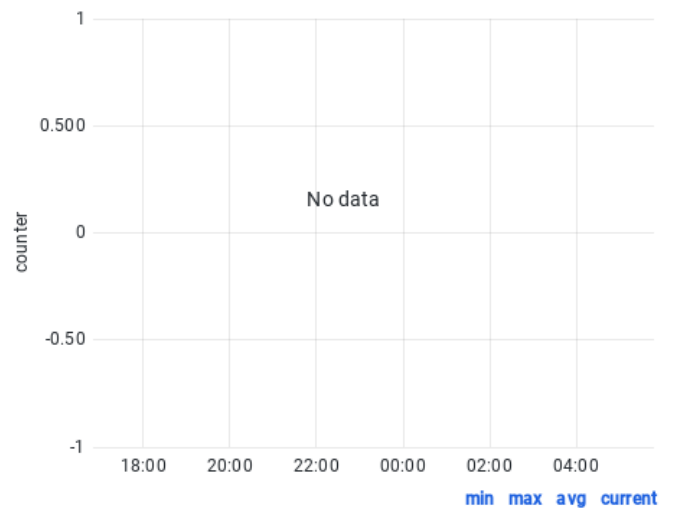
Hardware temperature monitor



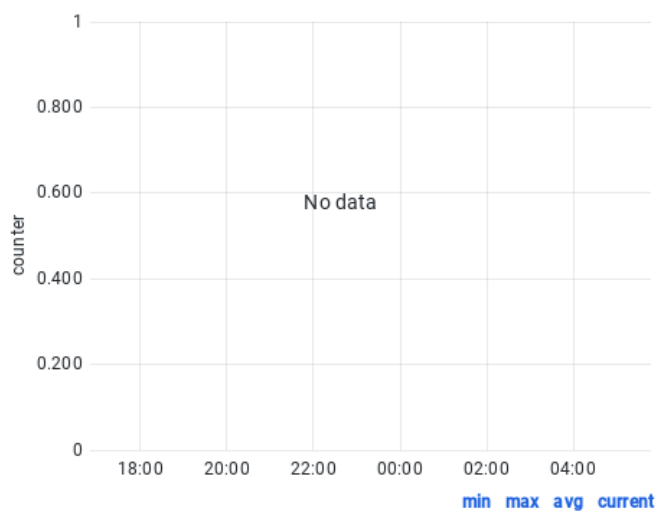
Throttle cooling device



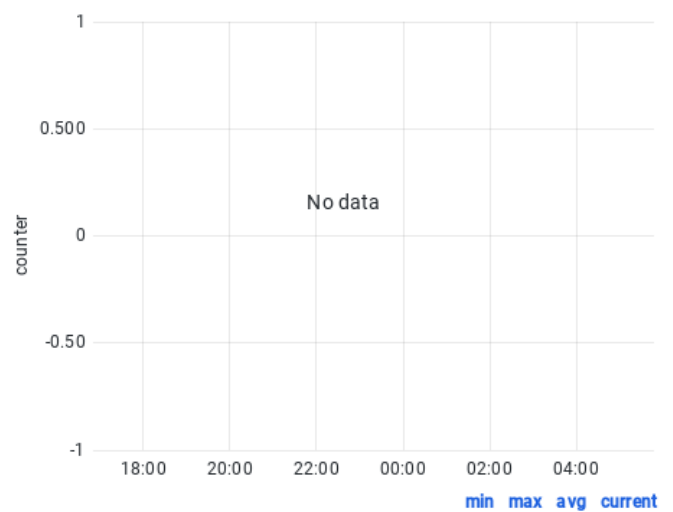
Power supply

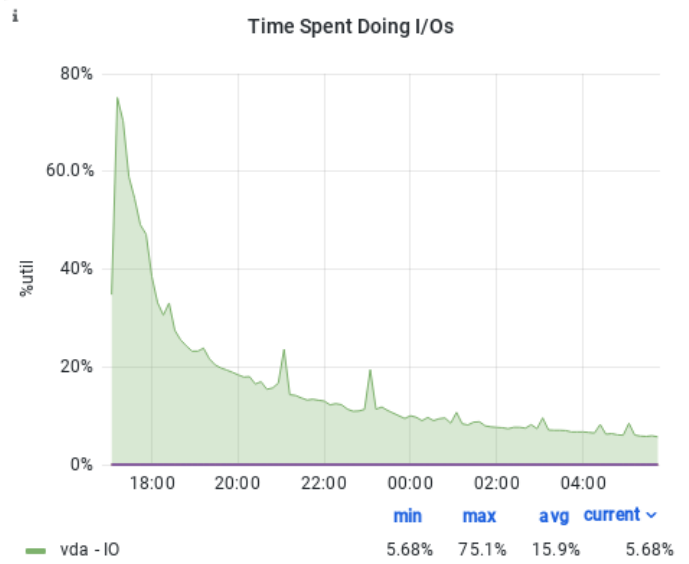
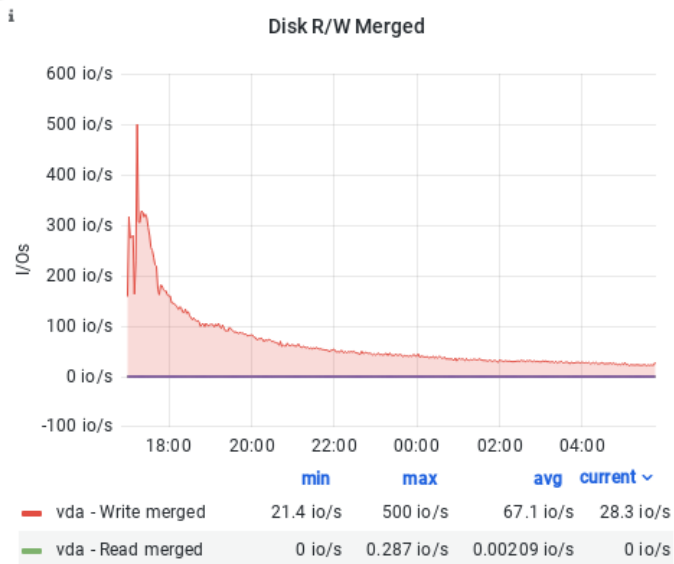
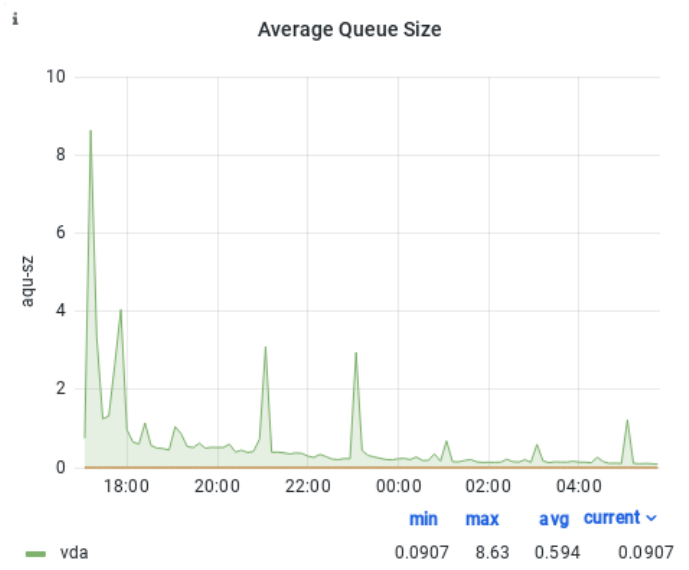
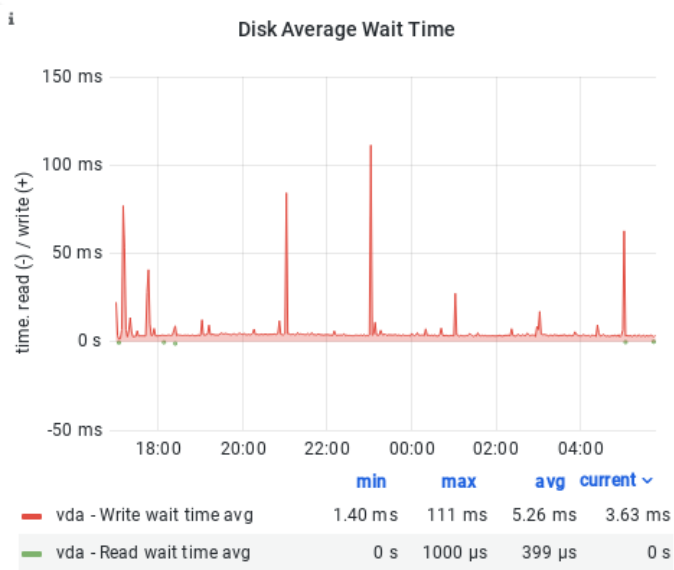
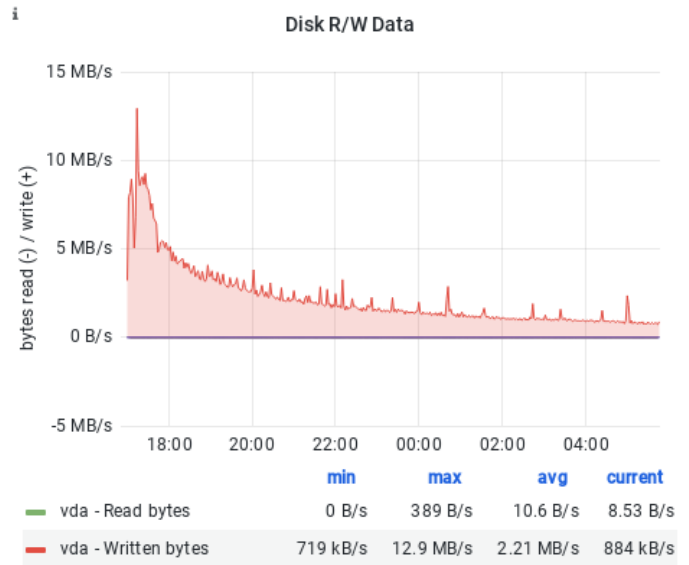
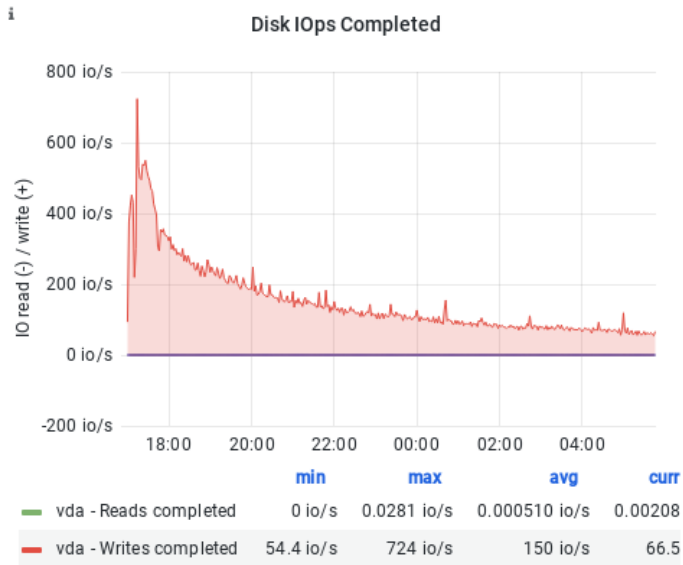


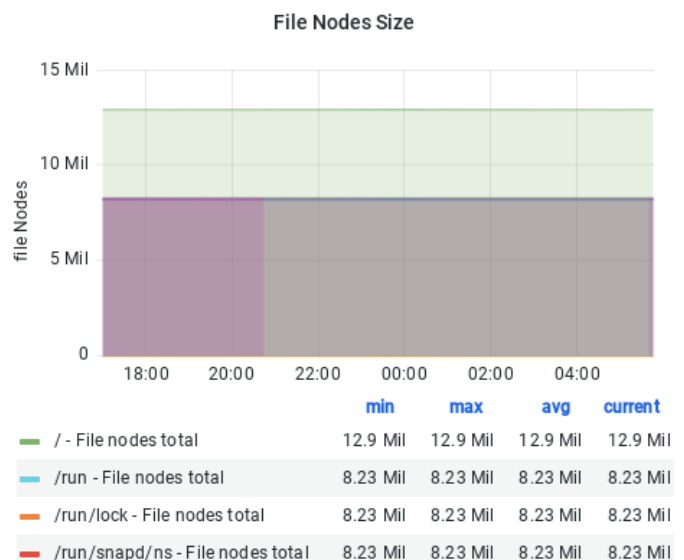
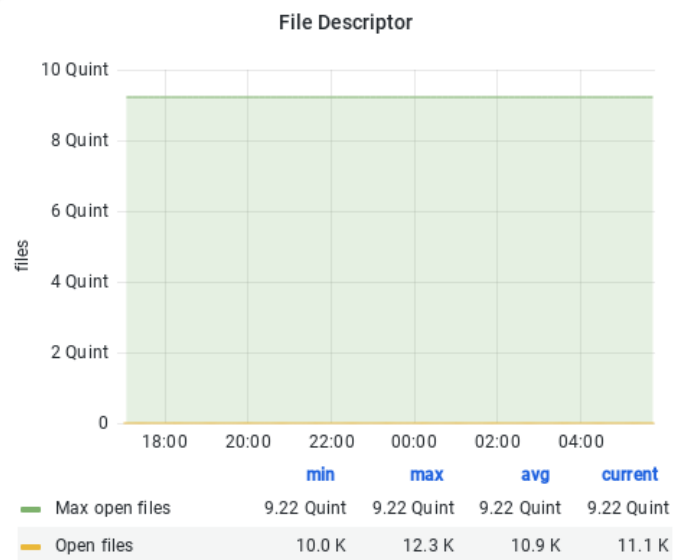
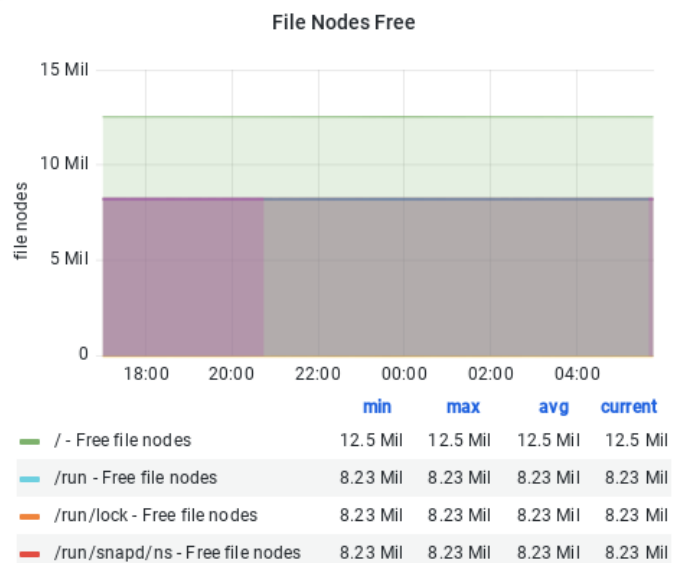
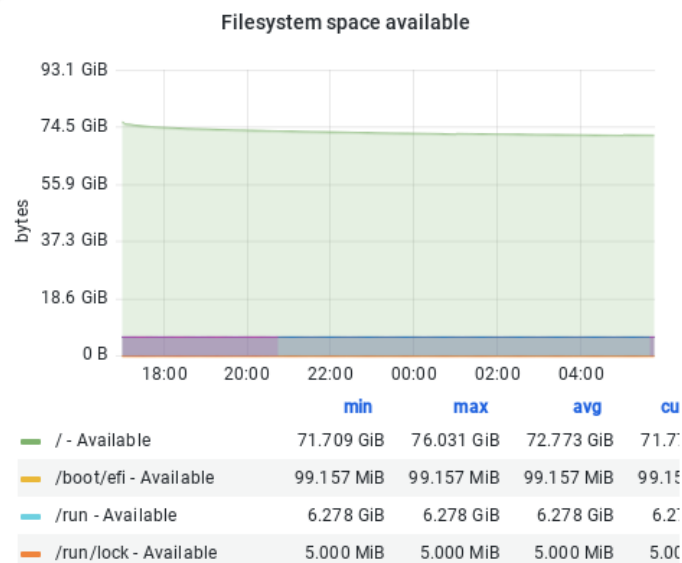
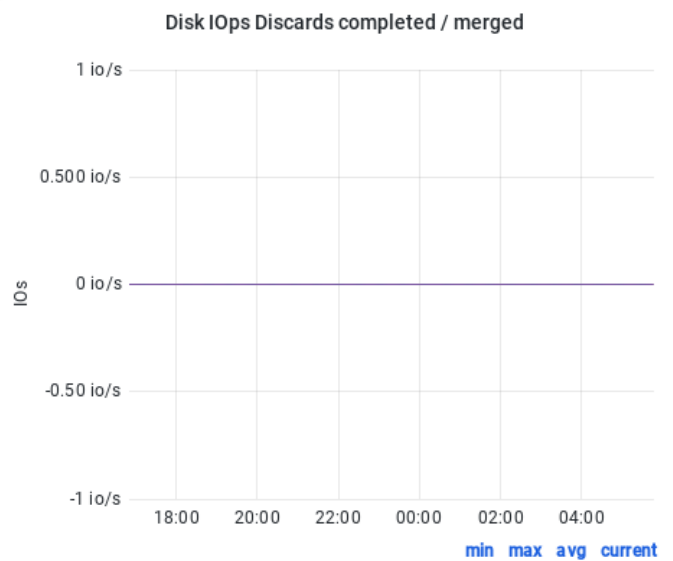
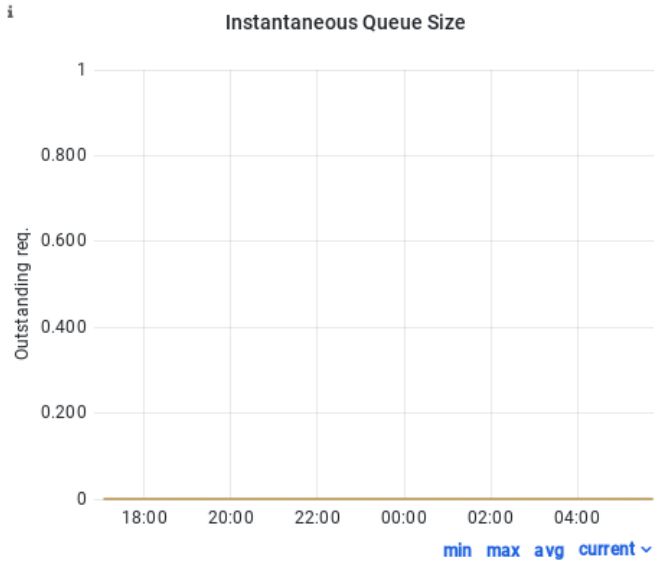
Systemd Sockets



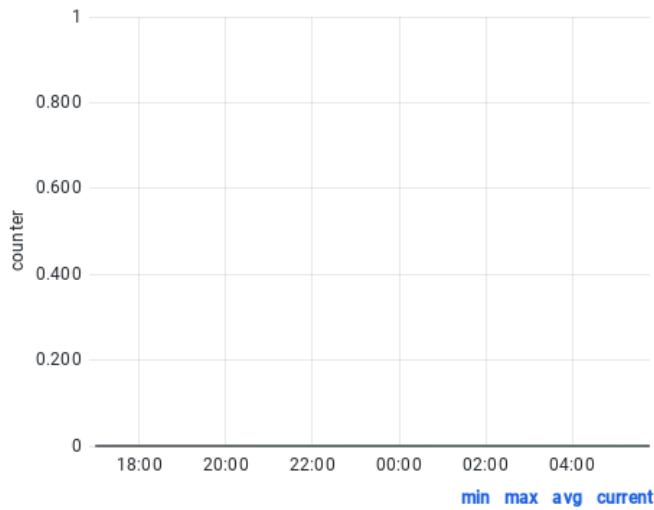
Systemd Units State



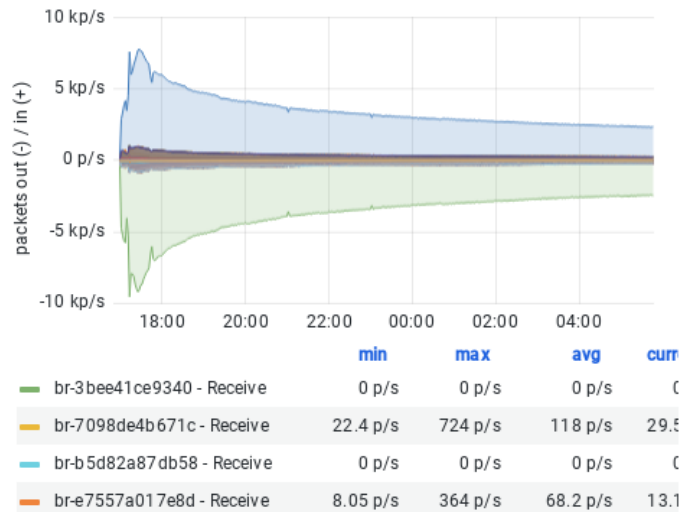




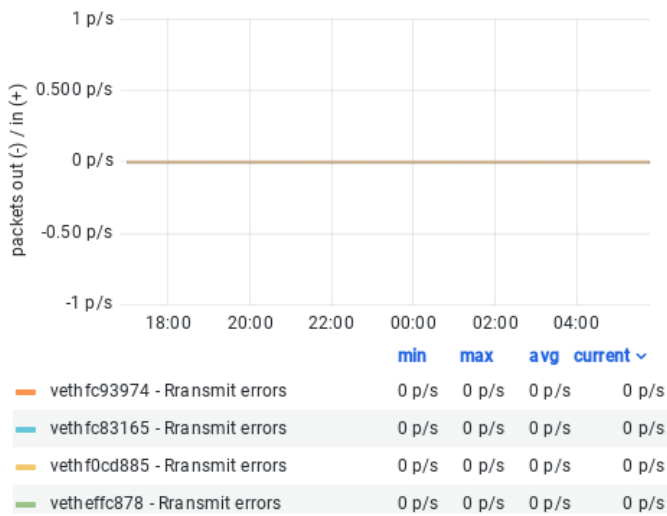
Filesystem in ReadOnly / Error



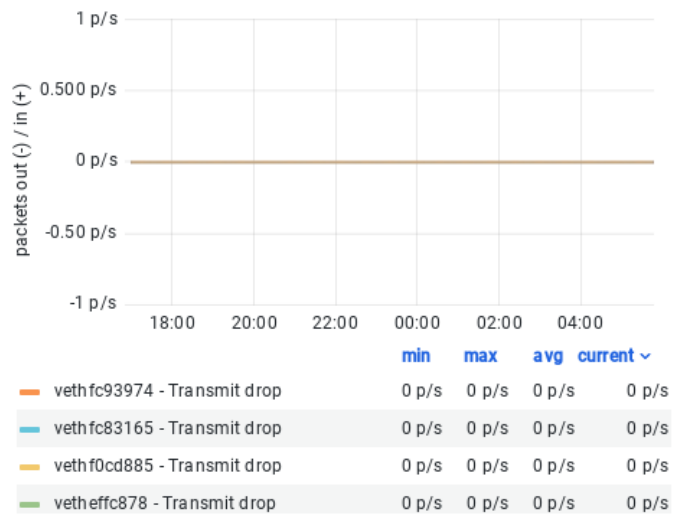
Network Traffic by Packets



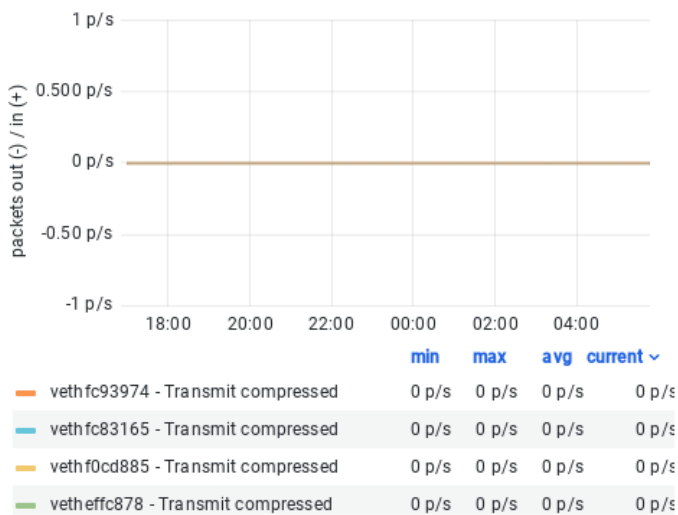
Network Traffic Errors



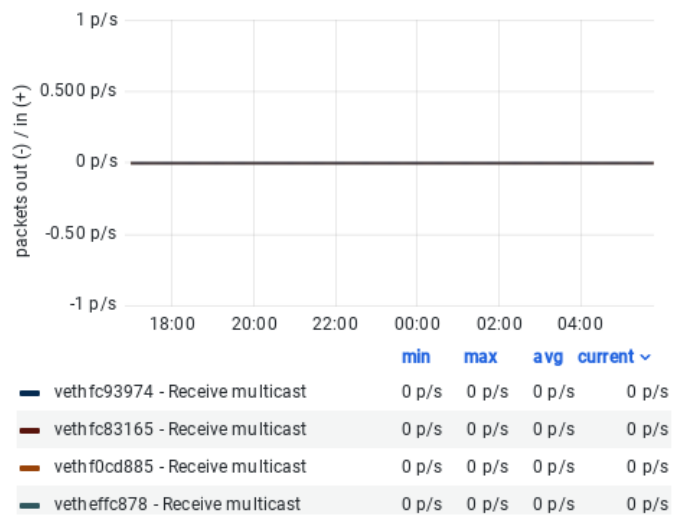
Network Traffic Drop



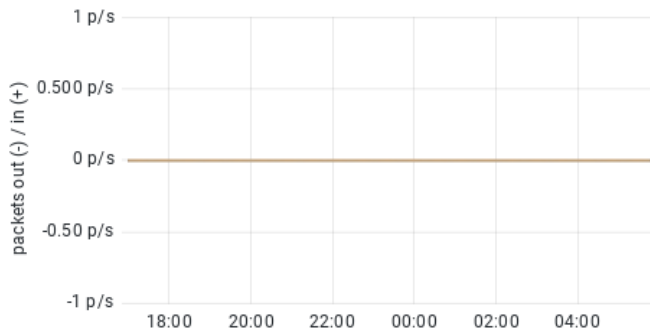
Network Traffic Compressed



Network Traffic Multicast

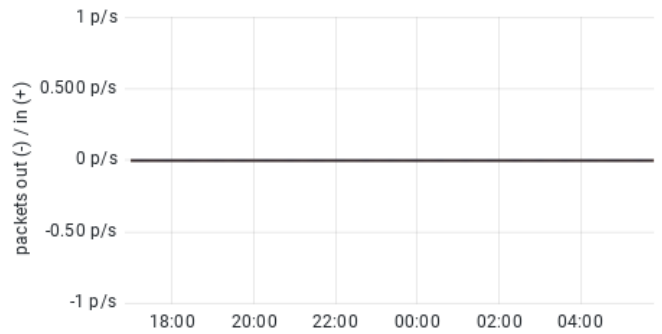


Network Traffic Fifo



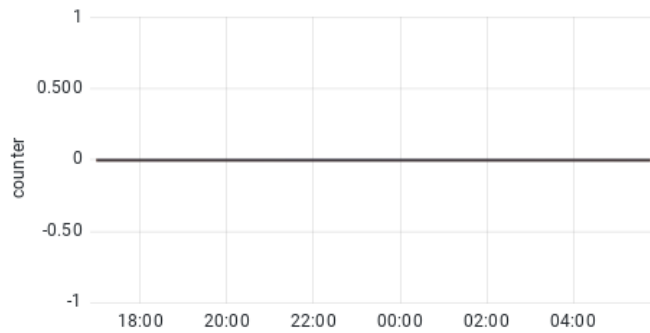
|                             | min   | max   | avg   | current |
|-----------------------------|-------|-------|-------|---------|
| vethfc93974 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vethfc83165 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vethf0cd885 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vetheffc878 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |

Network Traffic Frame



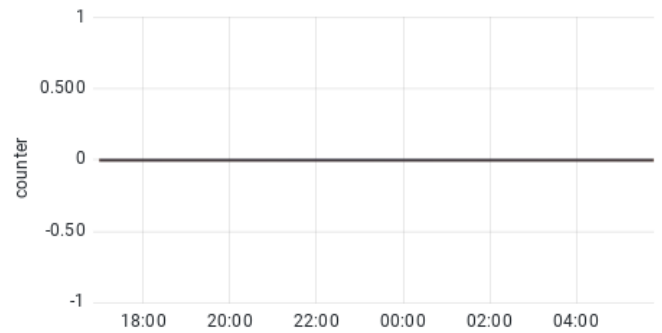
|                             | min   | max   | avg   | current |
|-----------------------------|-------|-------|-------|---------|
| vethfc93974 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vethfc83165 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vethf0cd885 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |
| vetheffc878 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s   |

Network Traffic Carrier



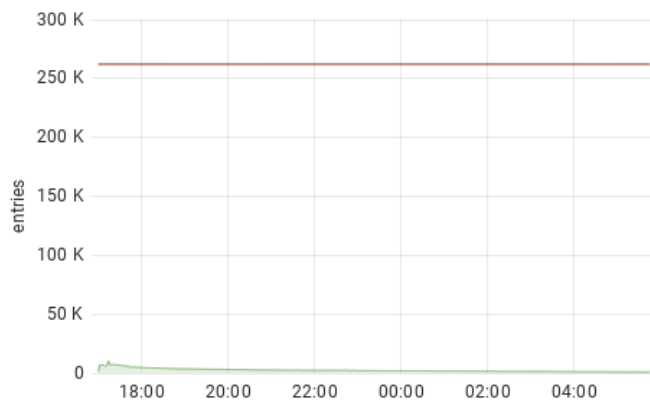
|  | min | max | avg | current |
|--|-----|-----|-----|---------|
| vethfc93974 - Statistic transmit_carrier | 0   | 0   | 0   | 0       |
| vethfc83165 - Statistic transmit_carrier | 0   | 0   | 0   | 0       |
| vethf0cd885 - Statistic transmit_carrier | 0   | 0   | 0   | 0       |
| vetheffc878 - Statistic transmit_carrier | 0   | 0   | 0   | 0       |

Network Traffic Colls



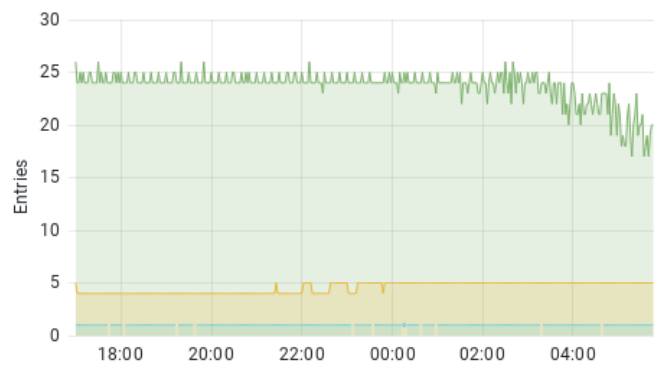
|                              | min | max | avg | current |
|------------------------------|-----|-----|-----|---------|
| vethfc93974 - Transmit colls | 0   | 0   | 0   | 0       |
| vethfc83165 - Transmit colls | 0   | 0   | 0   | 0       |
| vethf0cd885 - Transmit colls | 0   | 0   | 0   | 0       |
| vetheffc878 - Transmit colls | 0   | 0   | 0   | 0       |

NF Contrack



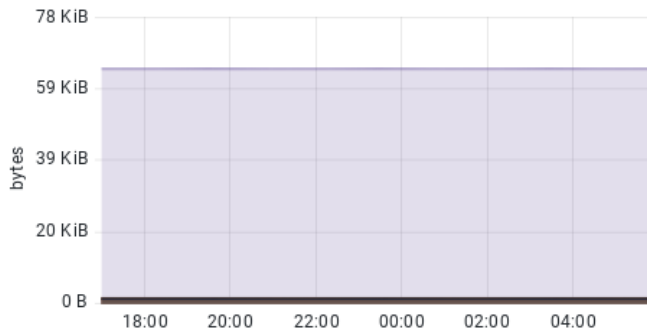
|                      | min   | max    | avg    | current |
|----------------------|-------|--------|--------|---------|
| NF conntrack entries | 898   | 10.3 K | 2.44 K | 1.07 K  |
| NF conntrack limit   | 262 K | 262 K  | 262 K  | 262 K   |

ARP Entries



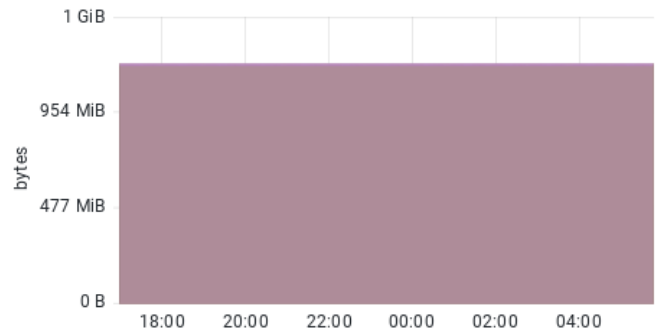
|                               | min | max | avg  | current |
|-------------------------------|-----|-----|------|---------|
| br-7098de4b671c - ARP entries | 17  | 26  | 23.7 | 20      |
| br-e7557a017e8d - ARP entries | 4   | 5   | 4.56 | 5       |
| ens3 - ARP entries            | 1   | 1   | 1    | 1       |

MTU



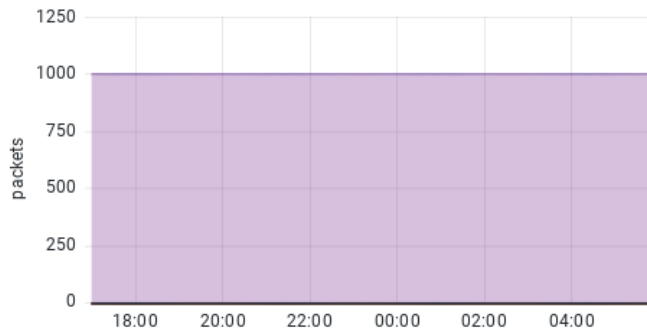
|                         | min     | max     | avg     | current |
|-------------------------|---------|---------|---------|---------|
| br-3bee41ce9340 - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-7098de4b671c - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-b5d82a87db58 - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-e7557a017e8d - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |

Speed



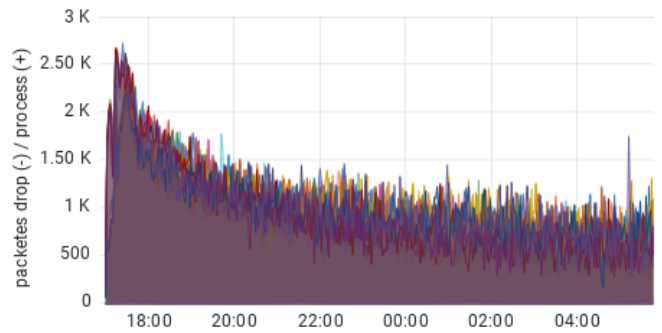
|                     | min        | max        | avg        | current    |
|---------------------|------------|------------|------------|------------|
| ens3 - Speed        | -122.1 KiB | -122.1 KiB | -122.1 KiB | -122.1 KiB |
| veth0309bb0 - Speed | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    |
| veth15df15c - Speed | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    |
| veth1dbf58d - Speed | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    | 1.2 GiB    |

Queue Length



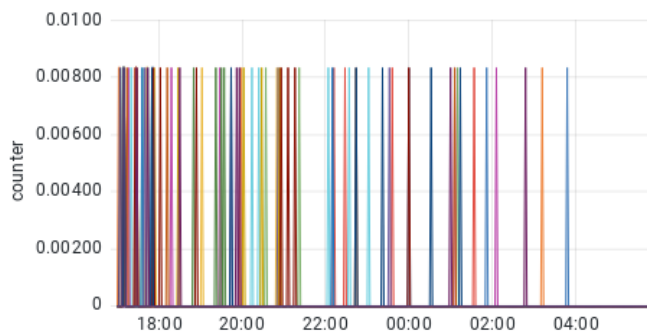
|   | min | max | a |
|---|-----|-----|---|
| br-3bee41ce9340 - Interface transmit queue length | 0   | 0   |   |
| br-7098de4b671c - Interface transmit queue length | 0   | 0   |   |
| br-b5d82a87db58 - Interface transmit queue length | 0   | 0   |   |
| br-e7557a017e8d - Interface transmit queue length | 0   | 0   |   |

Softnet Packets



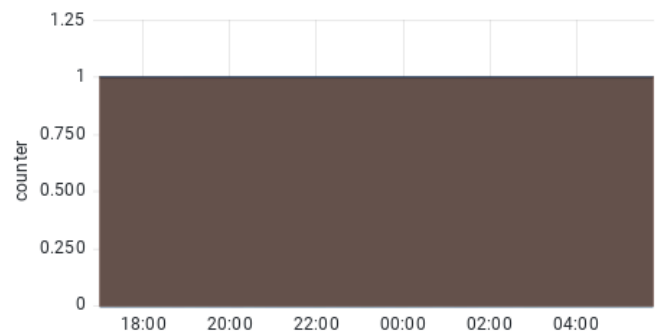
|                    | min  | max    | avg | current |
|--------------------|------|--------|-----|---------|
| CPU 0 - Processed  | 180  | 2.66 K | 977 | 1.10 K  |
| CPU 11 - Processed | 84.0 | 2.33 K | 980 | 843     |
| CPU 8 - Processed  | 161  | 2.62 K | 936 | 808     |
| CPU 7 - Processed  | 61.3 | 2.35 K | 975 | 724     |

Softnet Out of Quota



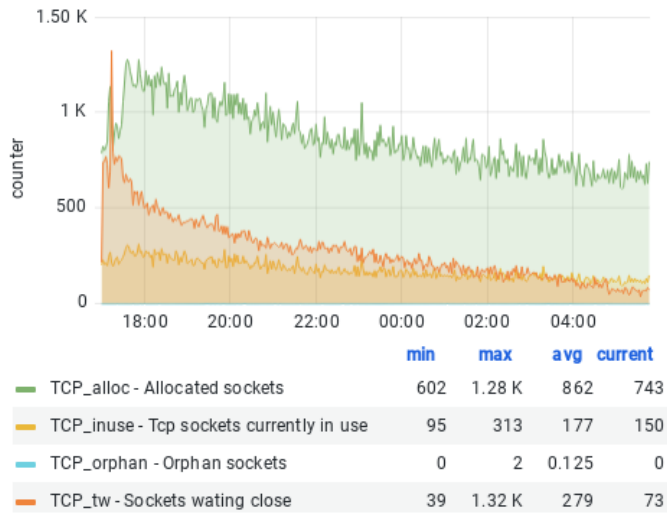
|                  | min | max     | avg       | current |
|------------------|-----|---------|-----------|---------|
| CPU 9 - Squeezed | 0   | 0.00833 | 0.0000651 | 0       |
| CPU 8 - Squeezed | 0   | 0.00833 | 0.000152  | 0       |
| CPU 7 - Squeezed | 0   | 0.00833 | 0.000152  | 0       |
| CPU 6 - Squeezed | 0   | 0.00833 | 0.000217  | 0       |

Network Operational Status

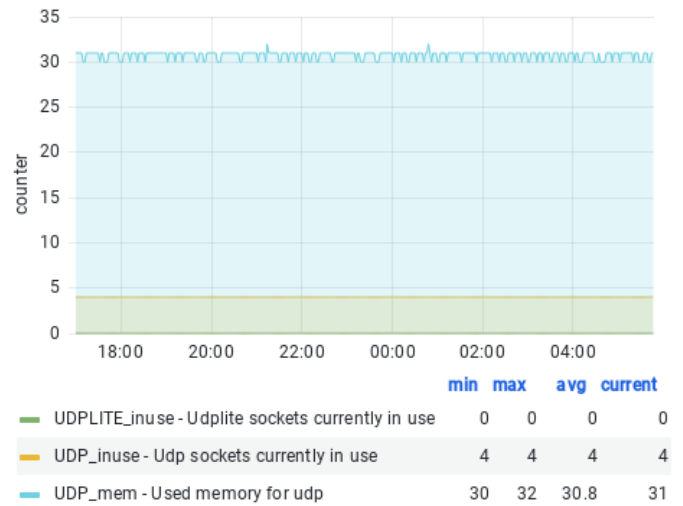


|                                   | min | max | avg | current |
|-----------------------------------|-----|-----|-----|---------|
| vethfc93974 - Physical link state | 1   | 1   | 1   | 1       |
| vethfc83165 - Physical link state | 1   | 1   | 1   | 1       |
| vethf0cd885 - Physical link state | 1   | 1   | 1   | 1       |
| vetheffc878 - Physical link state | 1   | 1   | 1   | 1       |

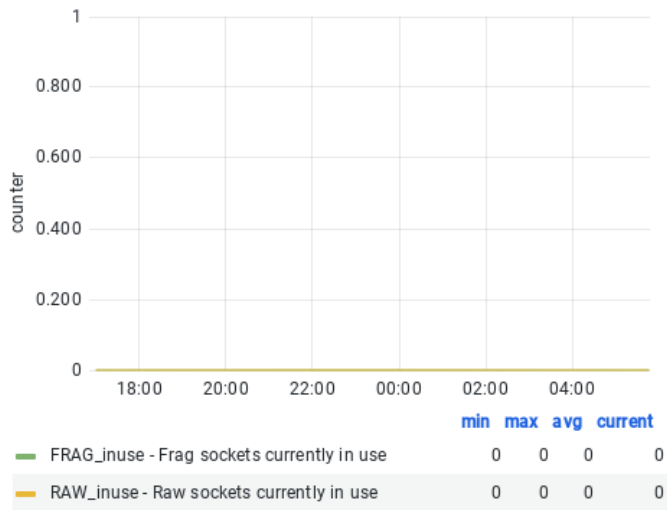
### Sockstat TCP



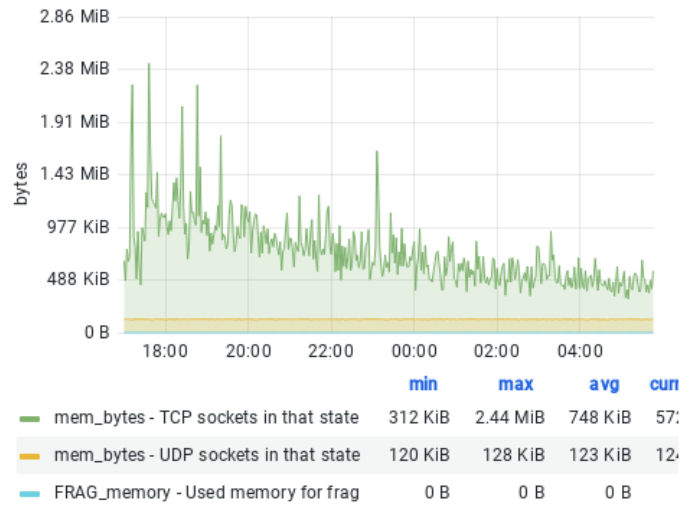
### Sockstat UDP



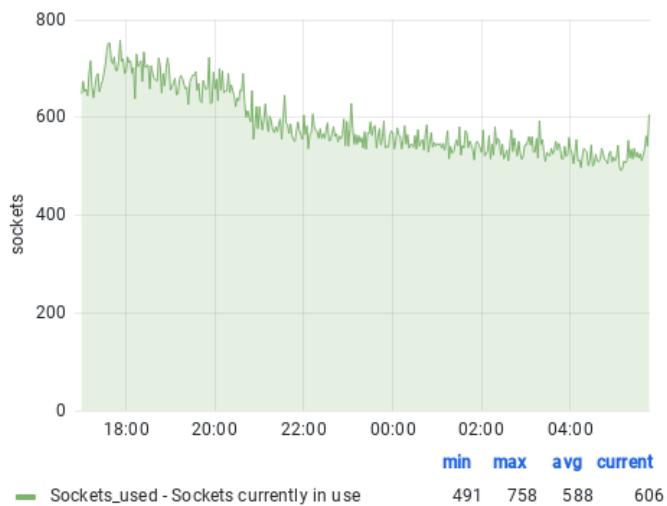
### Sockstat FRAG / RAW



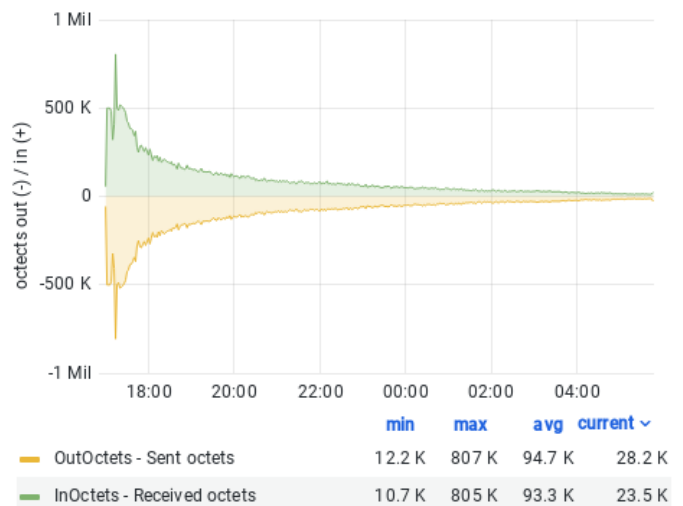
### Sockstat Memory Size



### Sockstat Used

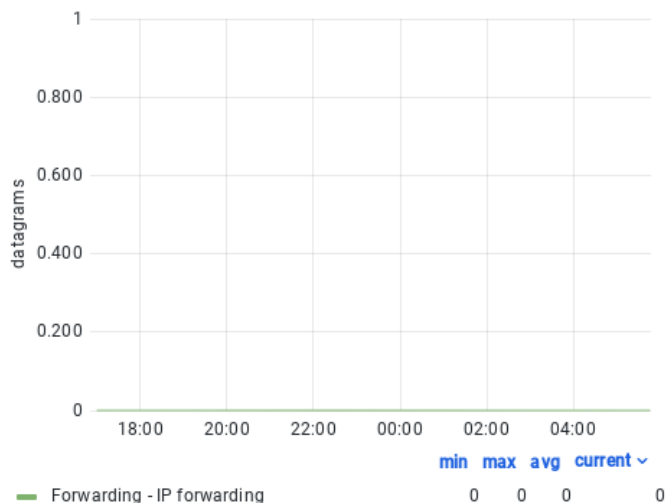


### Netstat IP In / Out Octets

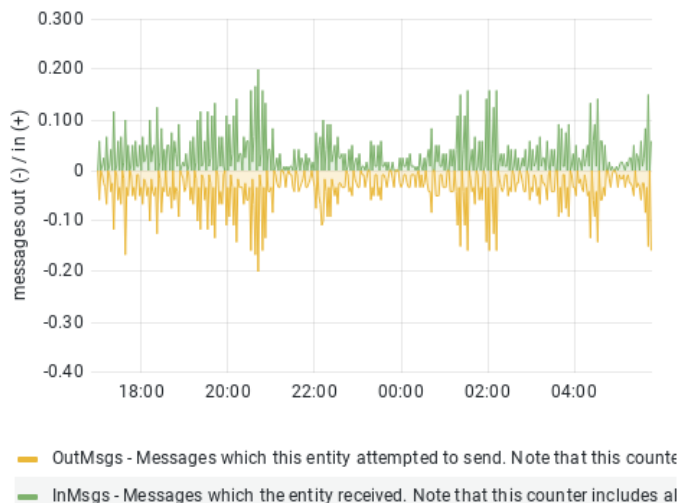




Netstat IP Forwarding



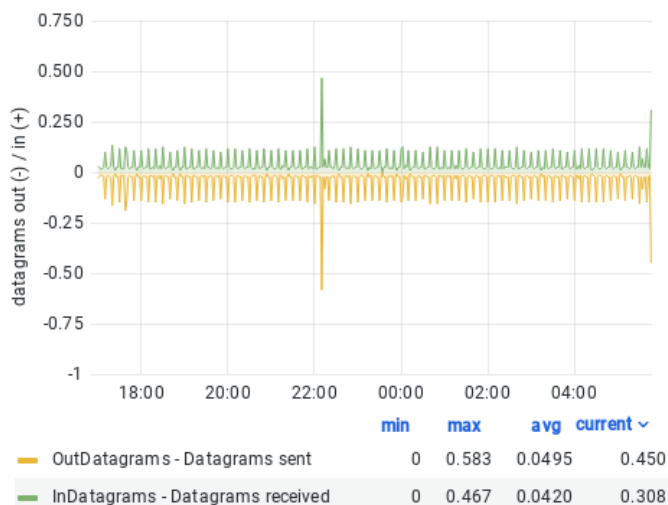
ICMP In / Out



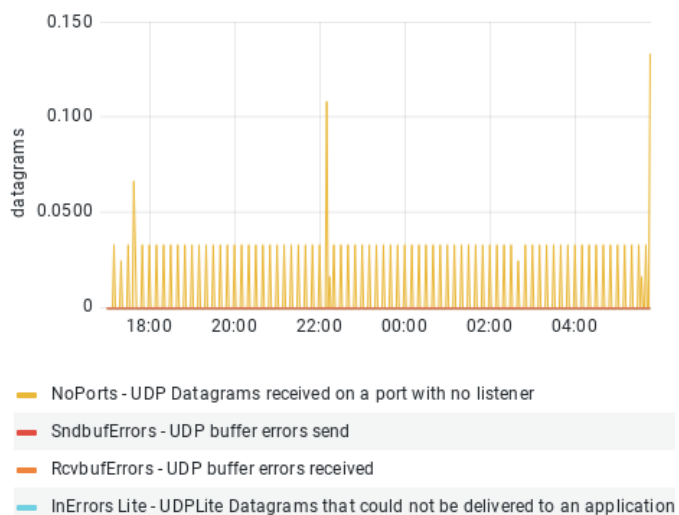
ICMP Errors



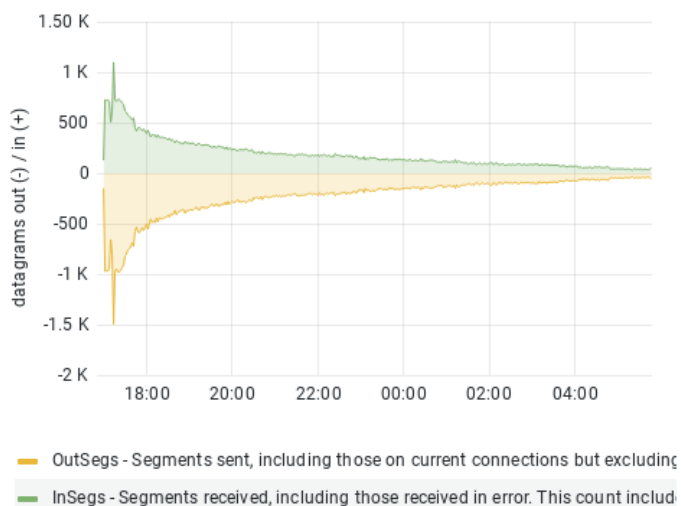
UDP In / Out



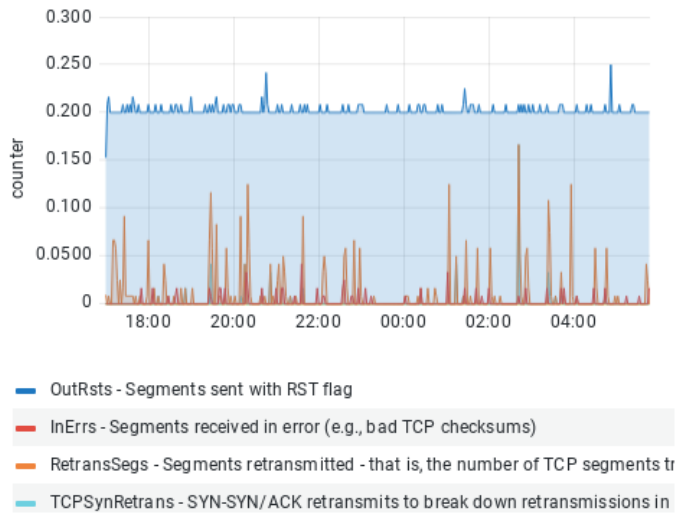
UDP Errors



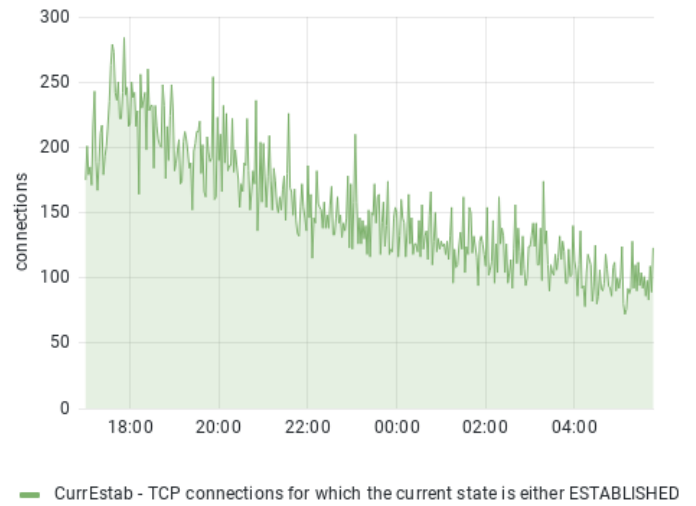
TCP In / Out



TCP Errors



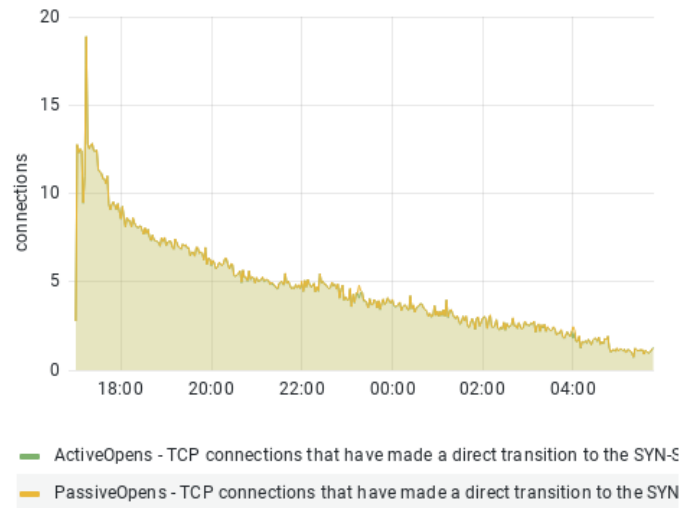
TCP Connections



TCP SynCookie



TCP Direct Transition



Node Exporter Scrape Time



Node Exporter Scrape

