

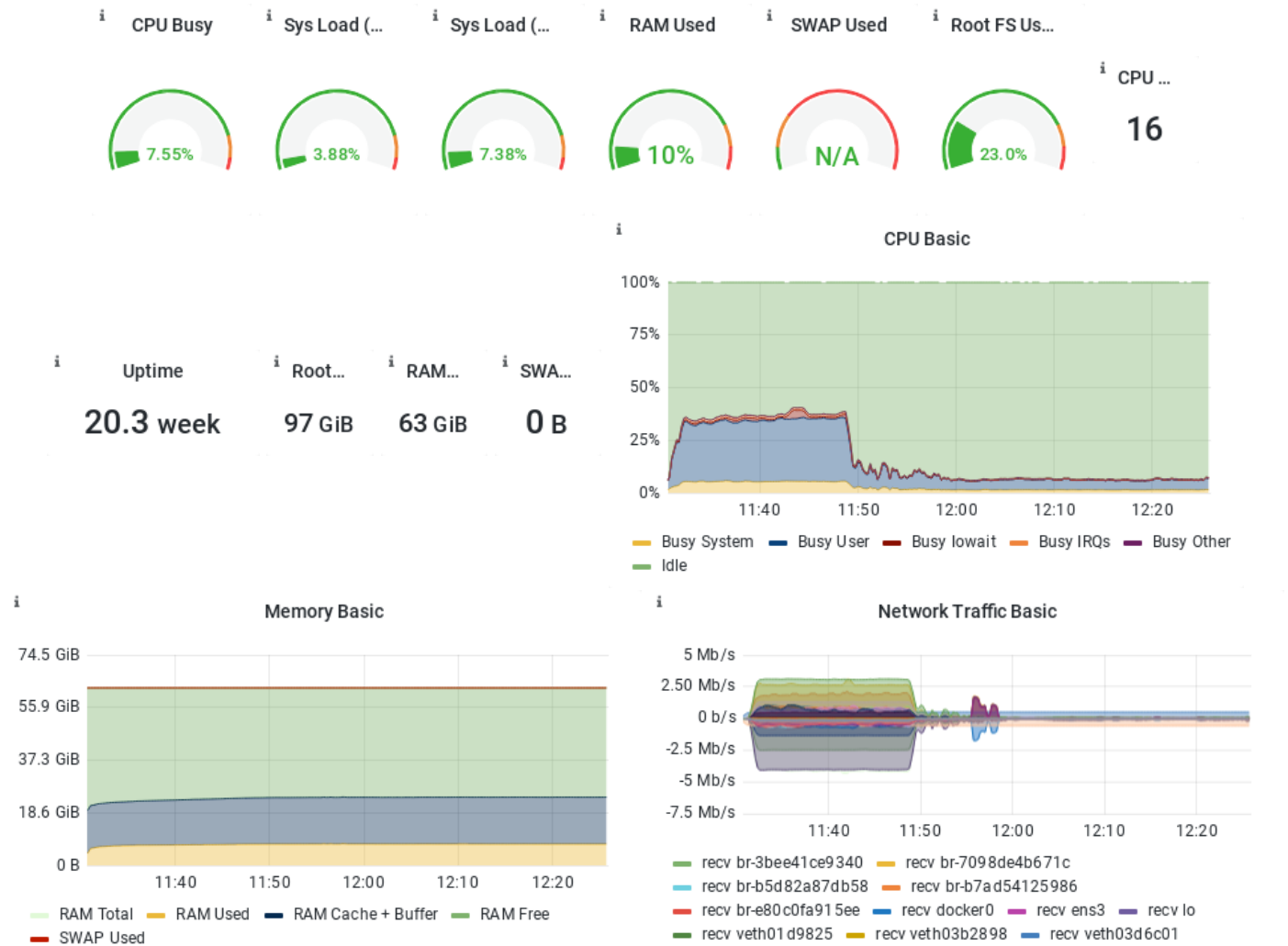
Host Metrics

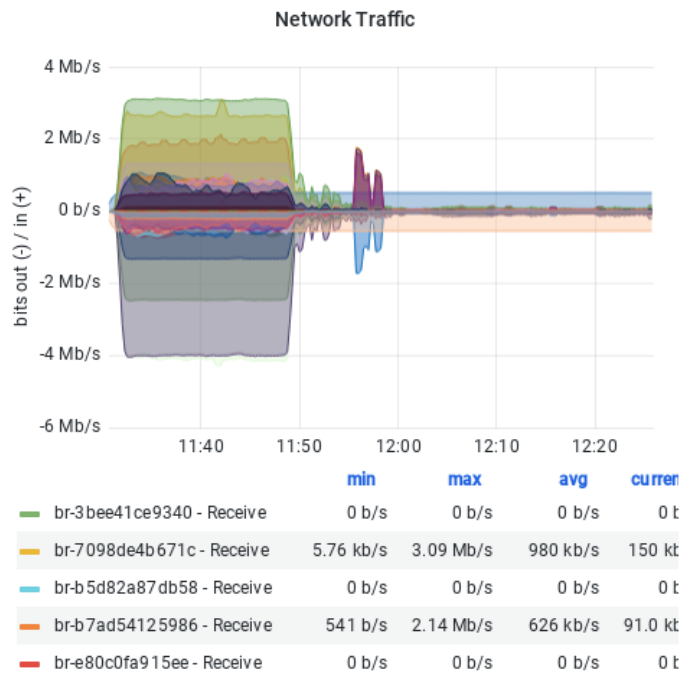
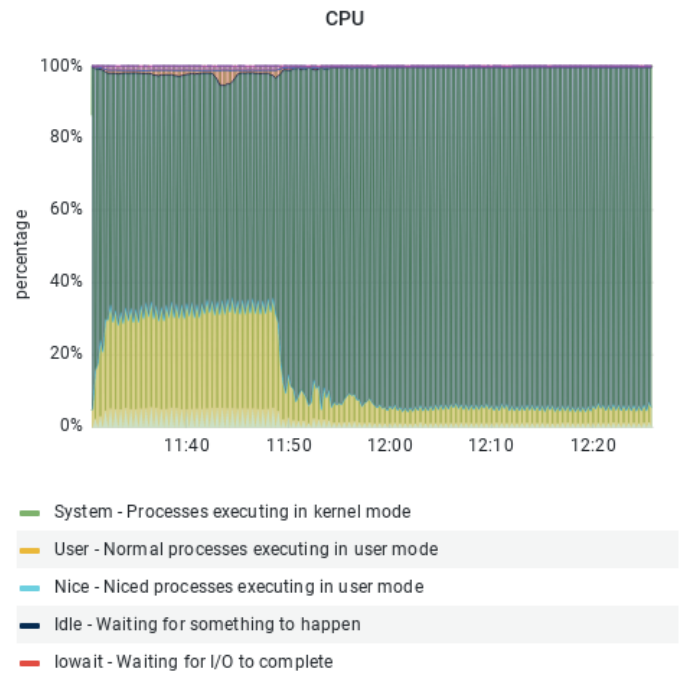
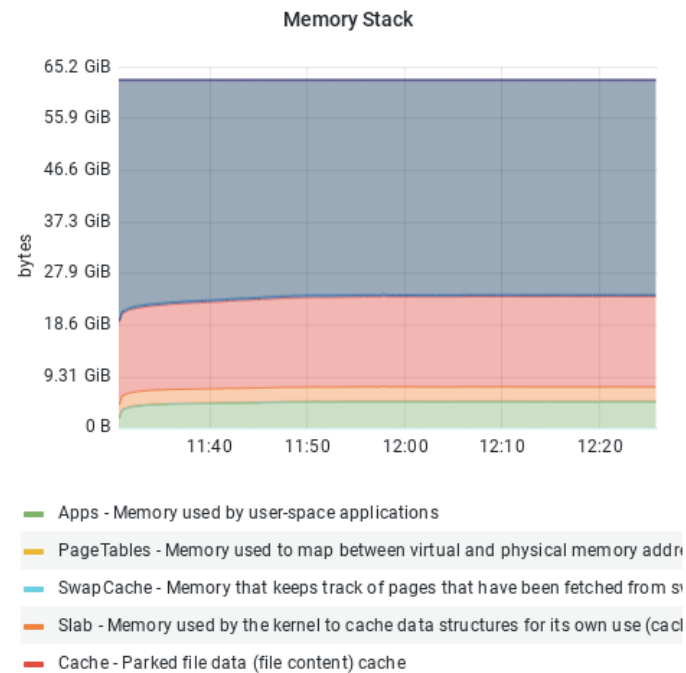
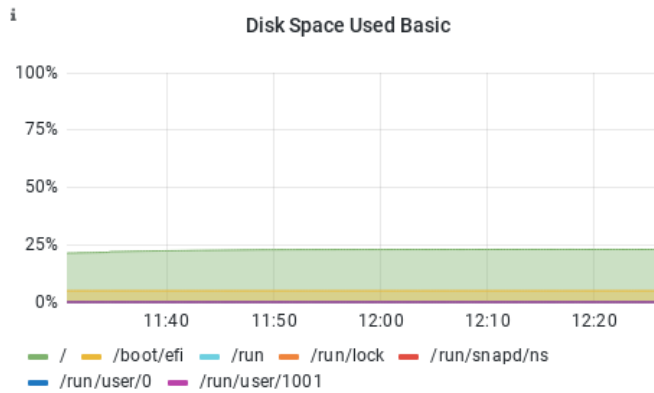
The dashboard visualizes host metrics collected by node_exporter. (based on: <https://grafana.com/grafana/dashboards/1860>)

Thu Mar 3 11:30:38 UTC 2022

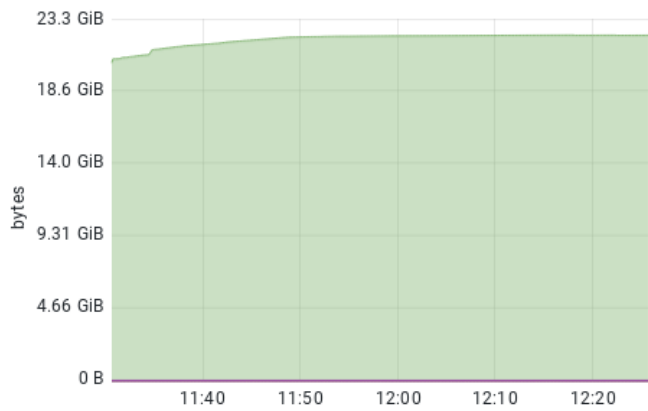
to

Thu Mar 3 12:25:58 UTC 2022





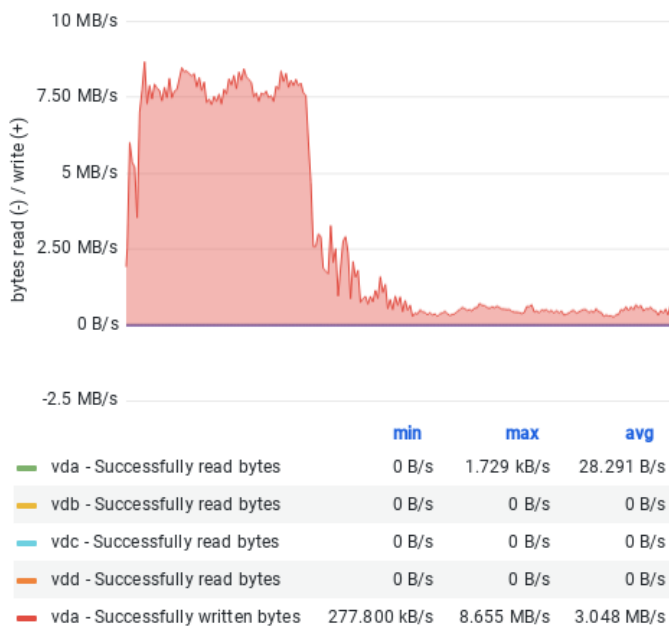
Disk Space Used



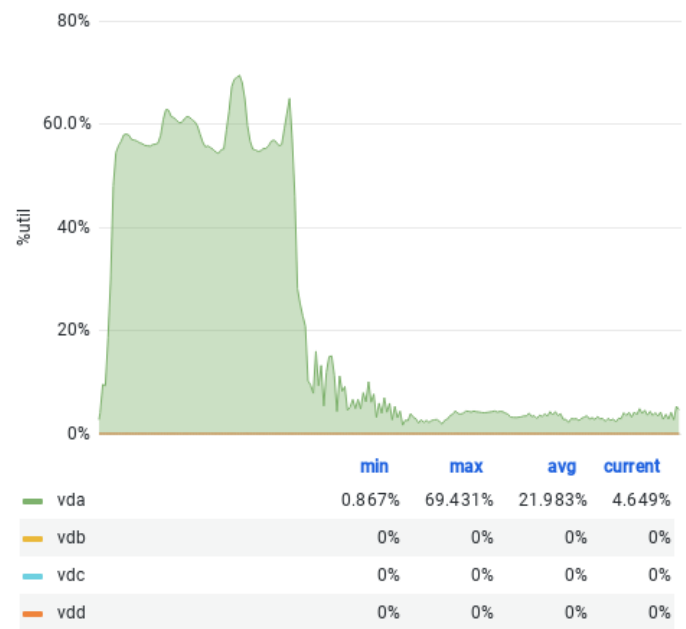
Disk IOps



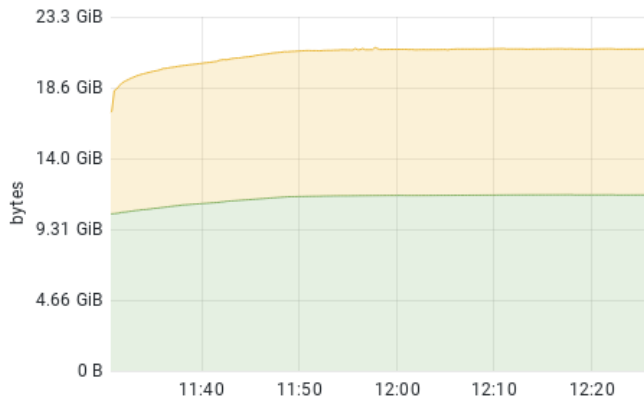
I/O Usage Read / Write



I/O Utilization

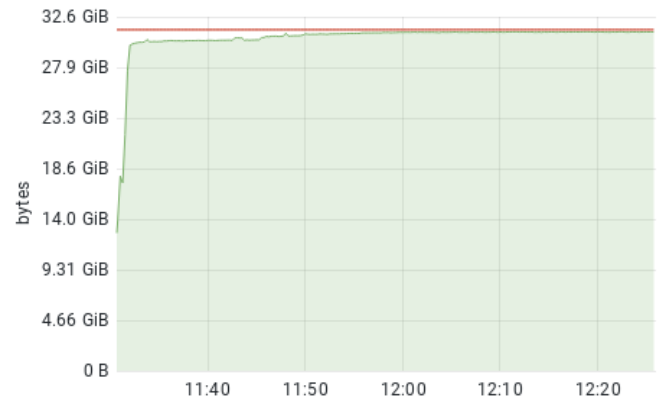


Memory Active / Inactive



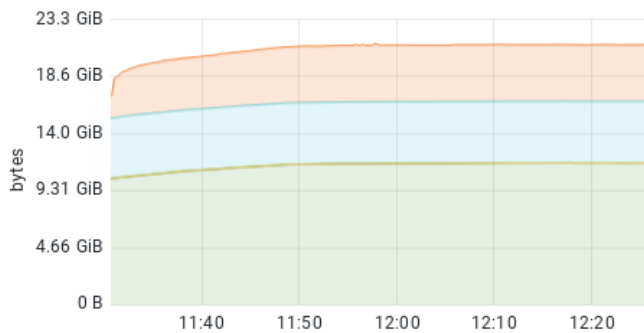
— Inactive - Memory which has been less recently used. It is more eligible to be re
 — Active - Memory that has been used more recently and usually not reclaimed u

Memory Committed



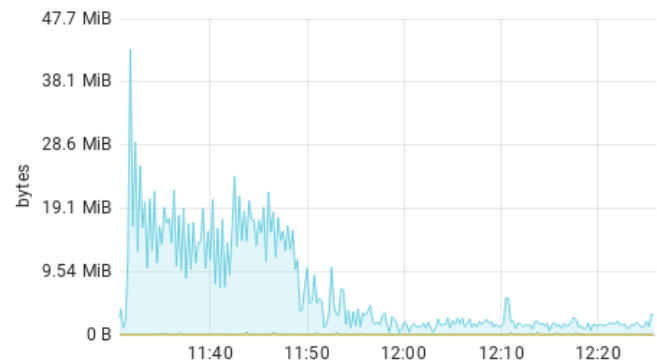
— Committed_AS - Amount of memory presently allocated on the system
 — CommitLimit - Amount of memory currently available to be allocated on the sy

Memory Active / Inactive Detail



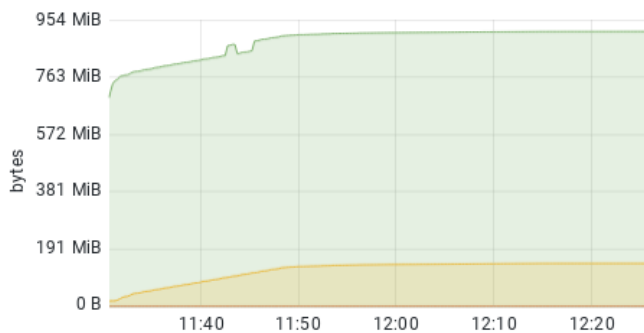
— Inactive_file - File-backed memory on inactive LRU list
 — Inactive_anon - Anonymous and swap cache on inactive LRU list, including tmp
 — Active_file - File-backed memory on active LRU list
 — Active_anon - Anonymous and swap cache on active least-recently-used (LRU)

Memory Writeback and Dirty



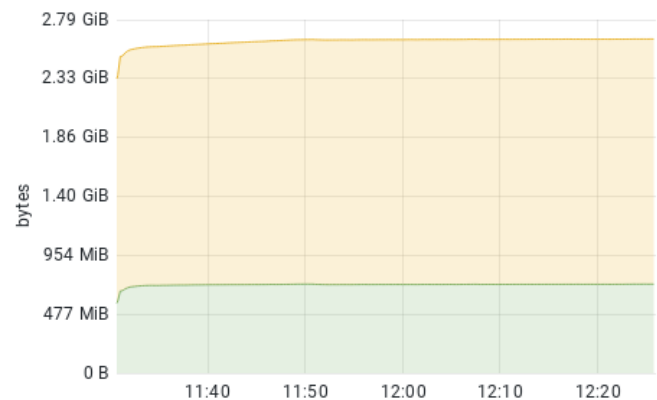
— Writeback - Memory which is actively being written back to disk
 — WritebackTmp - Memory used by FUSE for temporary writeback buffers
 — Dirty - Memory which is waiting to get written back to the disk 276.

Memory Shared and Mapped



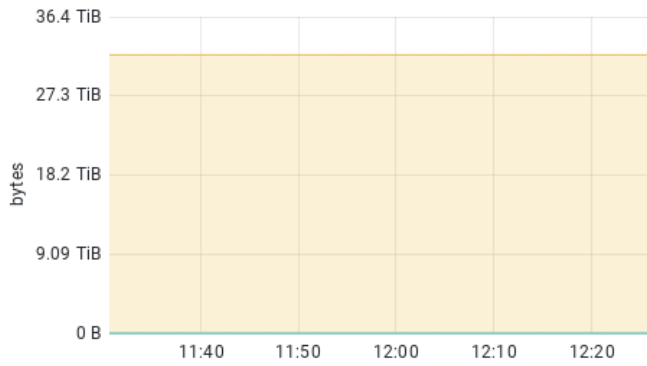
— Mapped - Used memory in mapped pages files which have been mmaped, such
 — Shmem - Used shared memory (shared between several processes, thus includ
 — ShmemHugePages - Memory used by shared memory (shmem) and tmpfs allc
 — ShmemPmdMapped - Amount of shared (shmem/tmpfs) memory backed by

Memory Slab



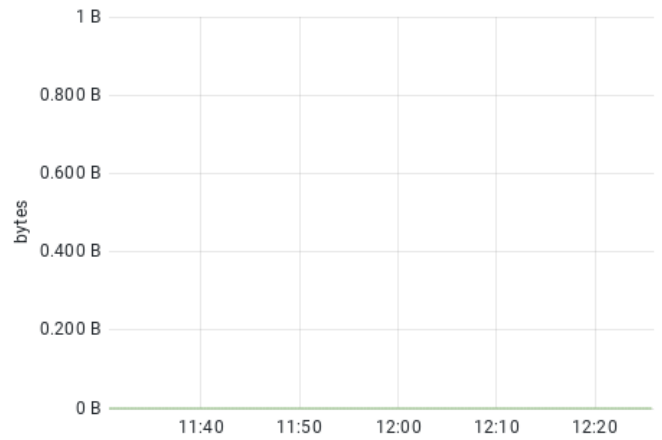
— SUnreclaim - Part of Slab, that cannot be reclaimed on memory pressure 54
 — SReclaimable - Part of Slab, that might be reclaimed, such as caches

Memory Vmalloc



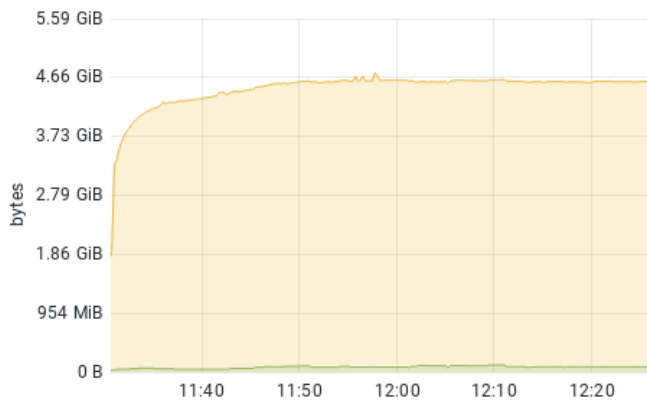
| | |
|---|------|
| VmallocChunk - Largest contiguous block of vmalloc area which is free | |
| VmallocTotal - Total size of vmalloc memory area | 32.0 |
| VmallocUsed - Amount of vmalloc area which is used | 31.0 |

Memory Bounce



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

Memory Anonymous



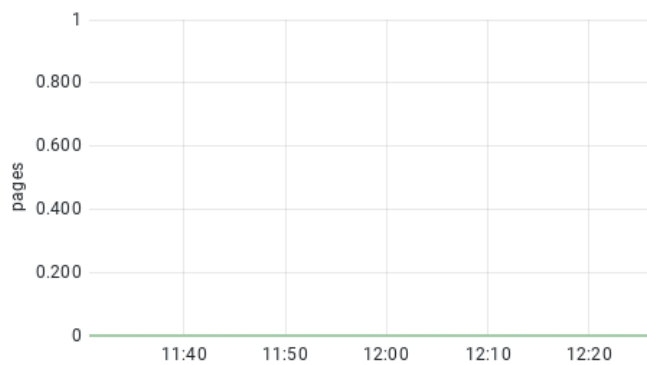
| | | |
|--|-----------|--------|
| AnonHugePages - Memory in anonymous huge pages | 30.00 MiB | 116.00 |
| AnonPages - Memory in user pages not backed by files | 1.74 GiB | 4.74 |

Memory Kernel / CPU



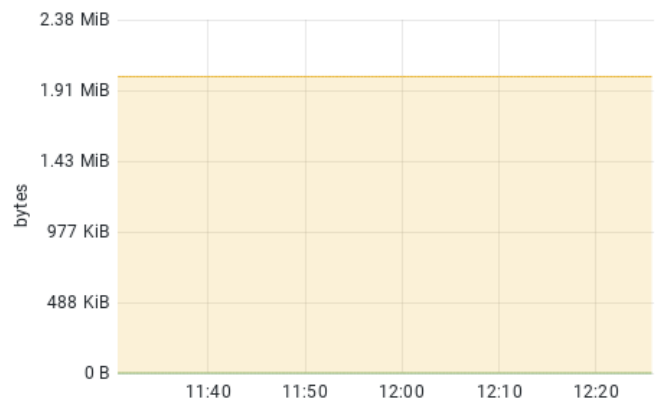
| | |
|---|------|
| KernelStack - Kernel memory stack. This is not reclaimable | 20.4 |
| PerCPU - Per CPU memory allocated dynamically by loadable modules | 66.1 |

Memory HugePages Counter



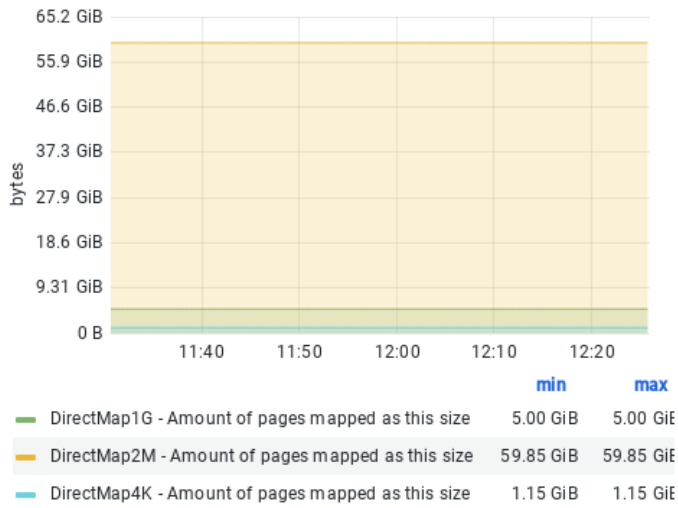
| | |
|--|--|
| HugePages_Free - Huge pages in the pool that are not yet allocated | |
| HugePages_Rsvd - Huge pages for which a commitment to allocate from the pool has been made | |
| HugePages_Surp - Huge pages in the pool above the value in /proc/sys/vm/nr_hugepages | |

Memory HugePages Size

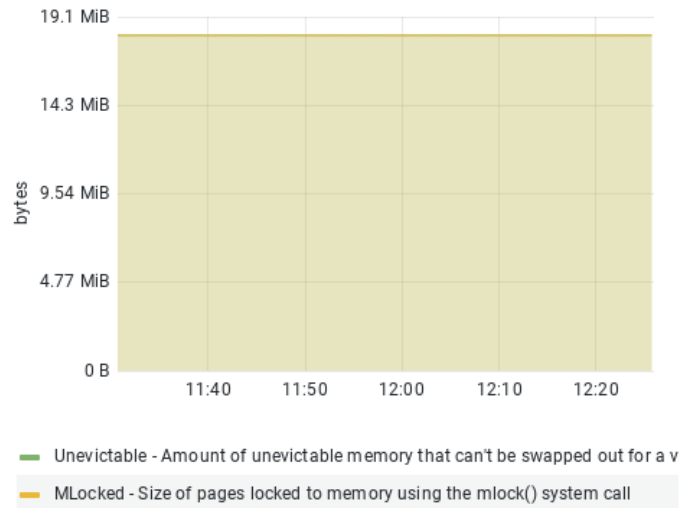


| | | |
|--|----------|----------|
| HugePages - Total size of the pool of huge pages | 0 B | 0 B |
| Hugepagesize - Huge Page size | 2.00 MiB | 2.00 MiB |

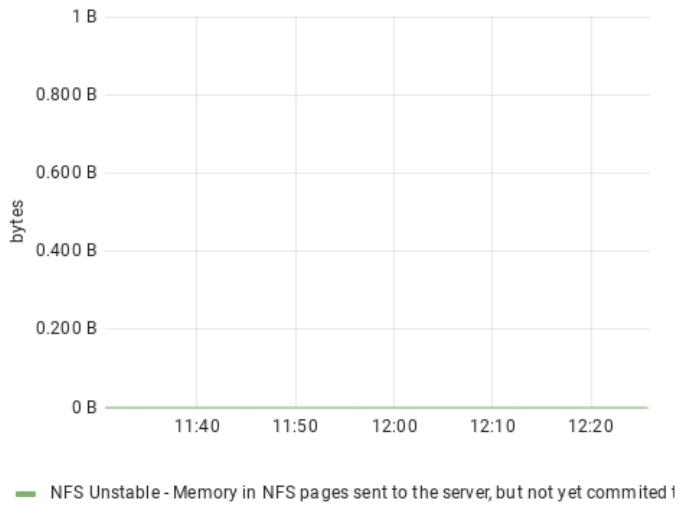
Memory DirectMap



Memory Unevictable and MLocked



Memory NFS



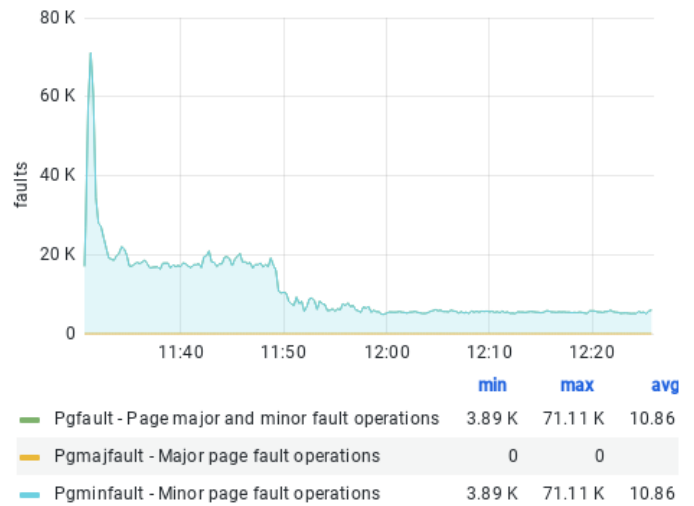
Memory Pages In / Out

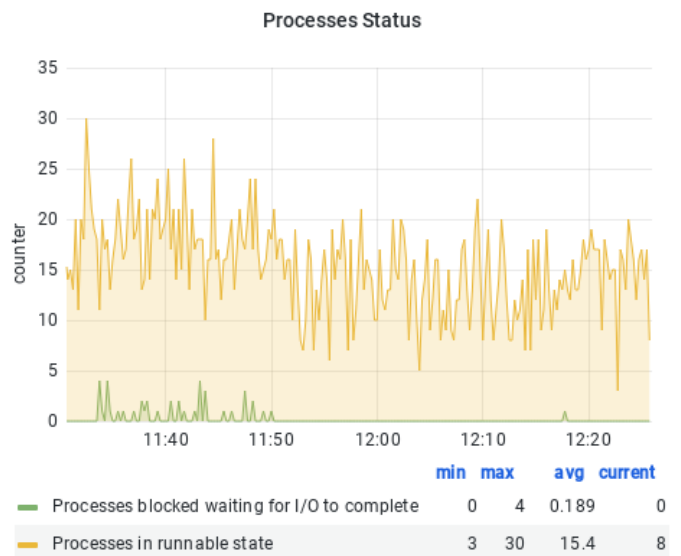
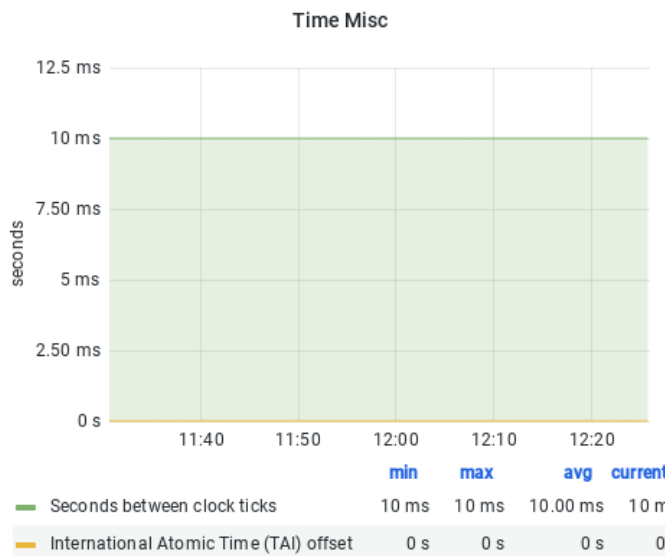
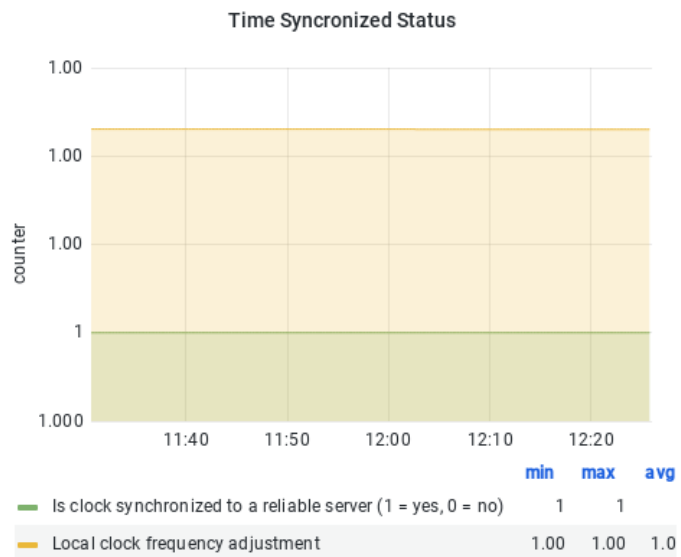
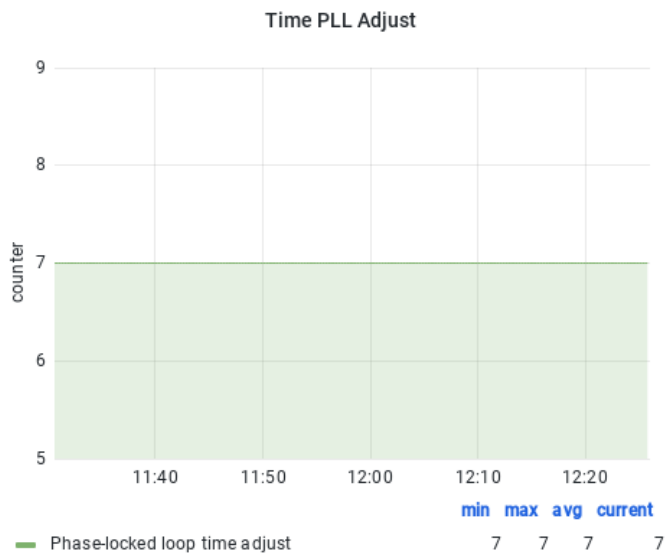
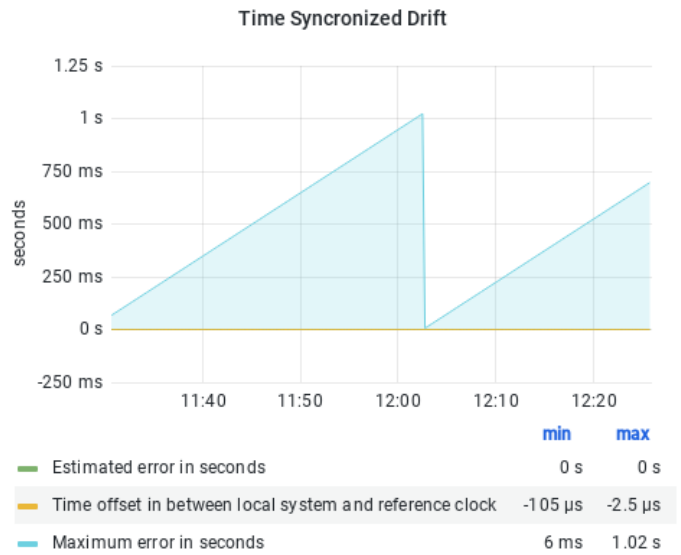
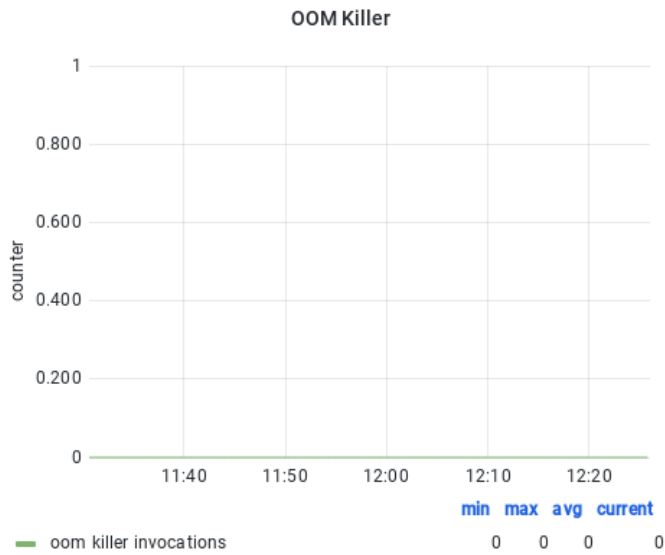


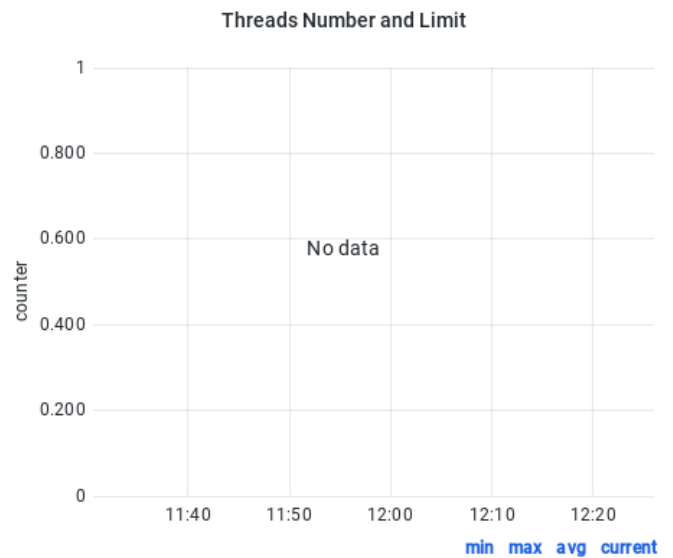
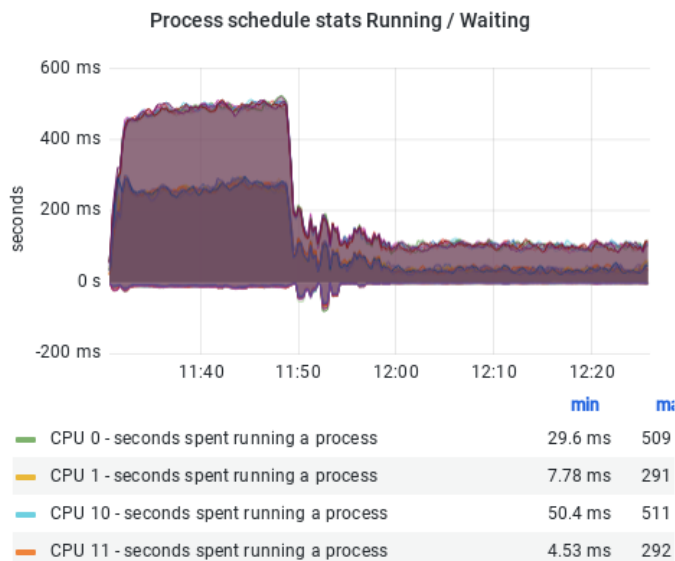
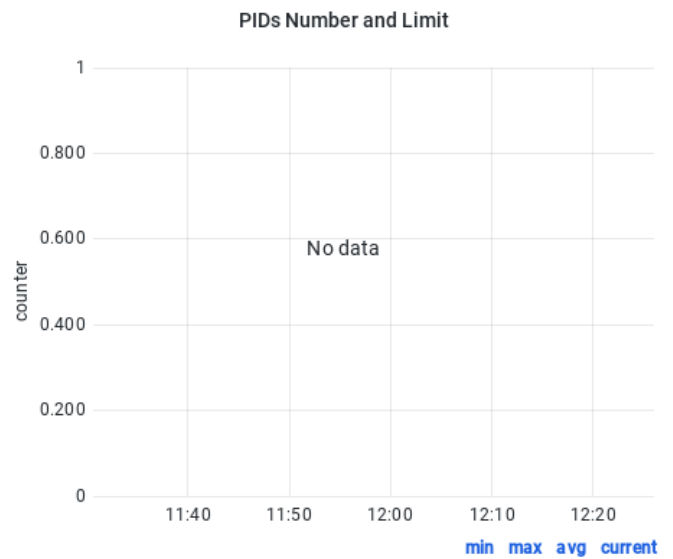
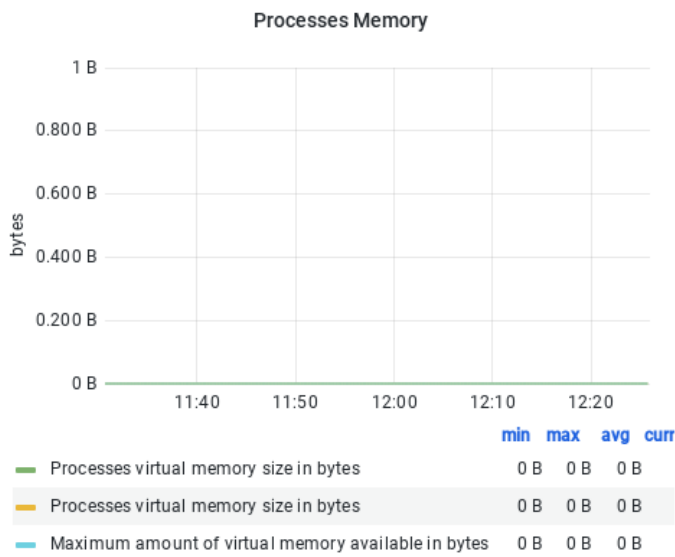
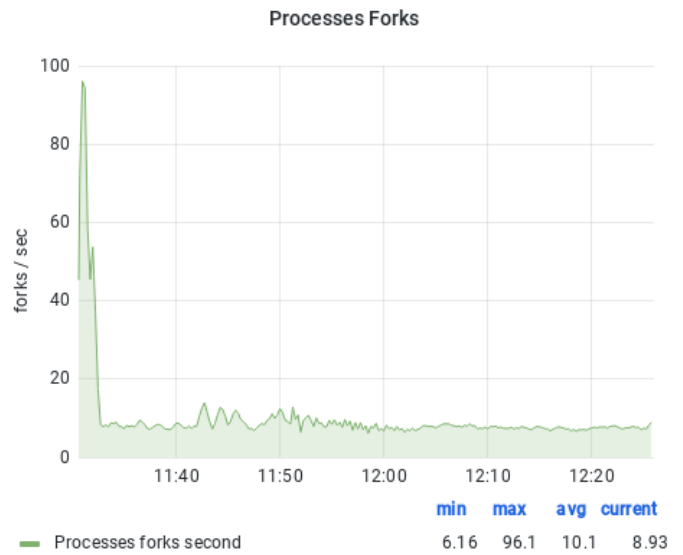
Memory Pages Swap In / Out



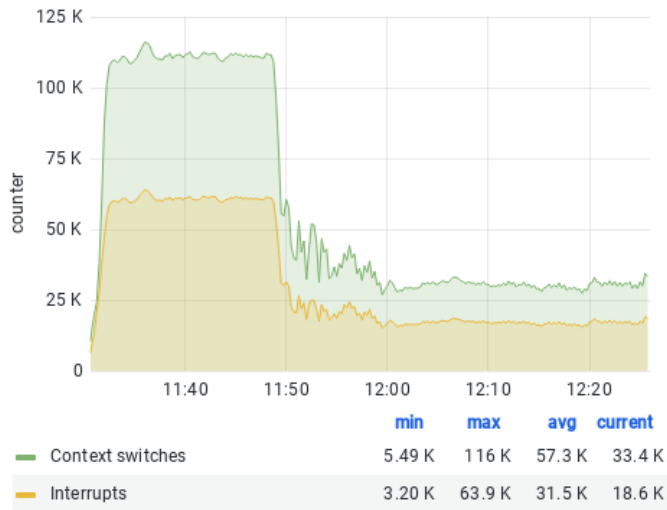
Memory Page Faults



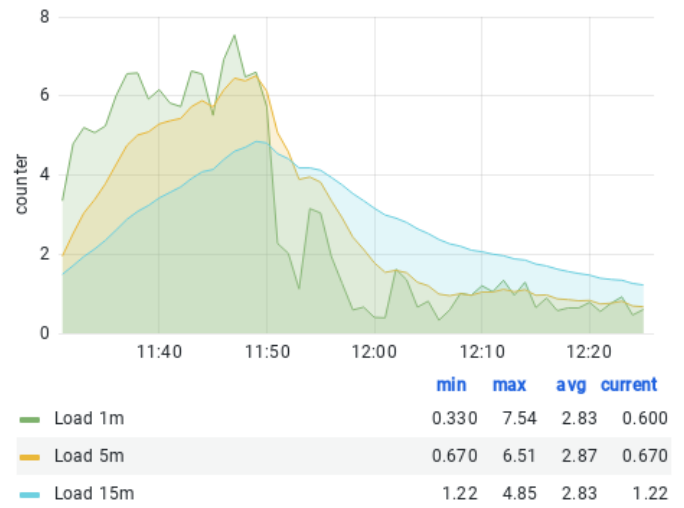




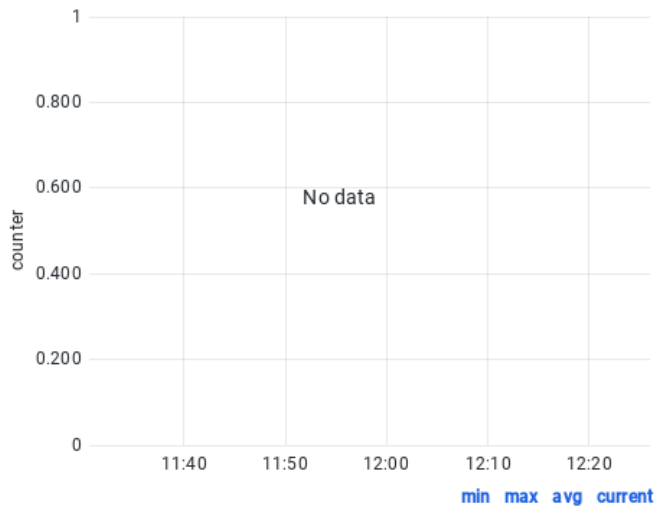
Context Switches / Interrupts



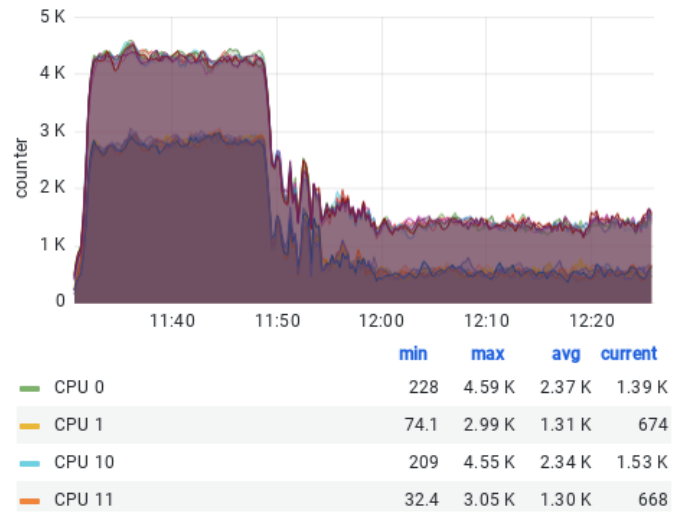
System Load



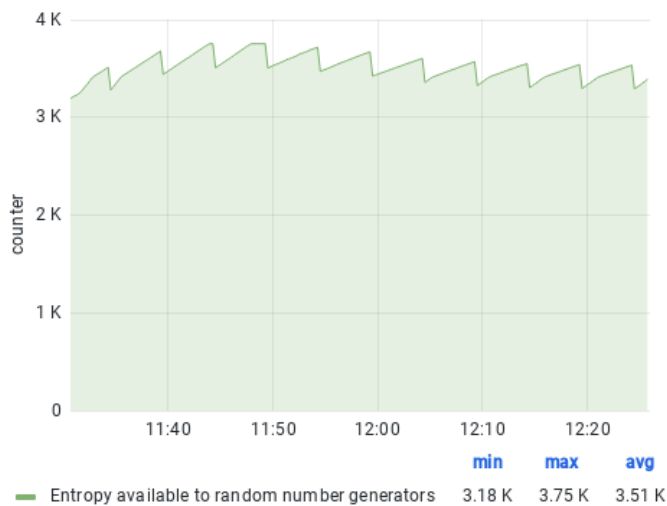
Interrupts Detail



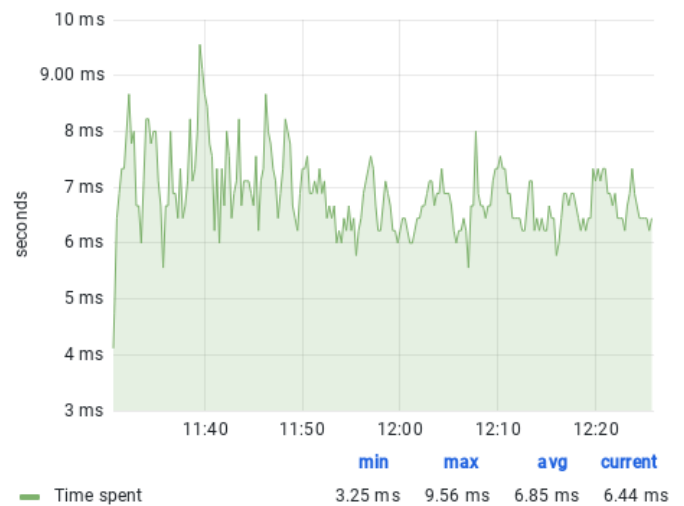
Schedule timeslices executed by each cpu



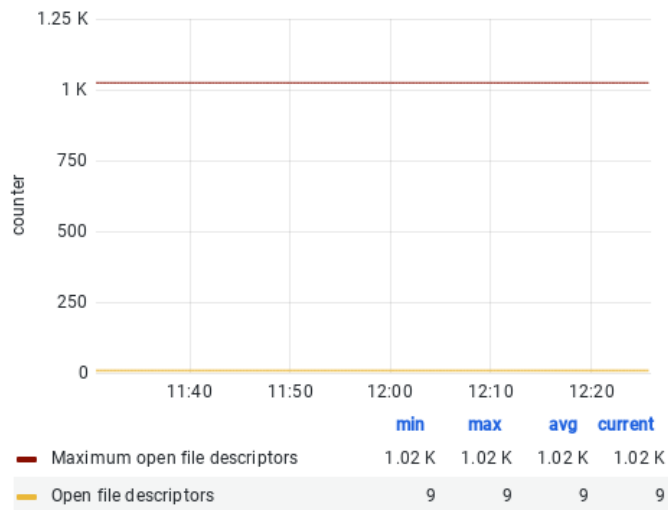
Entropy



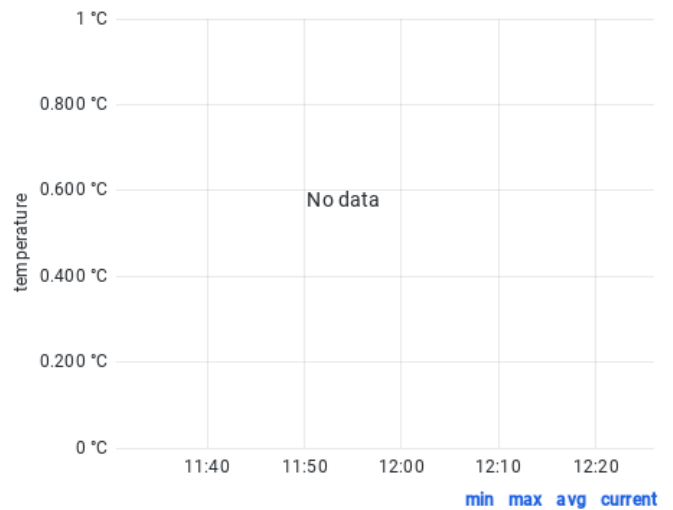
CPU time spent in user and system contexts



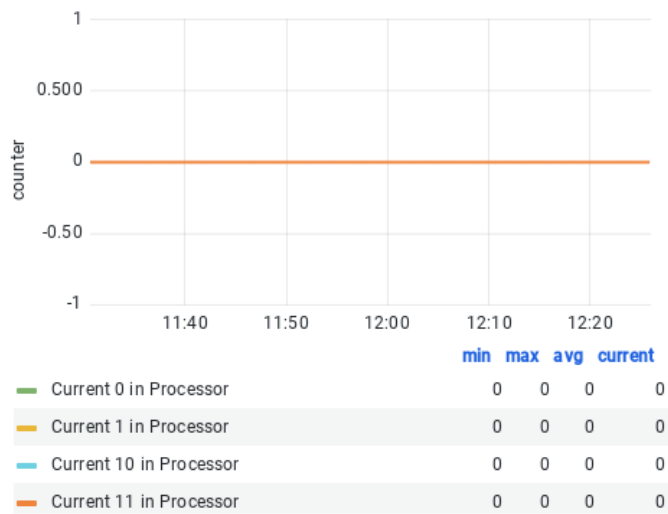
File Descriptors



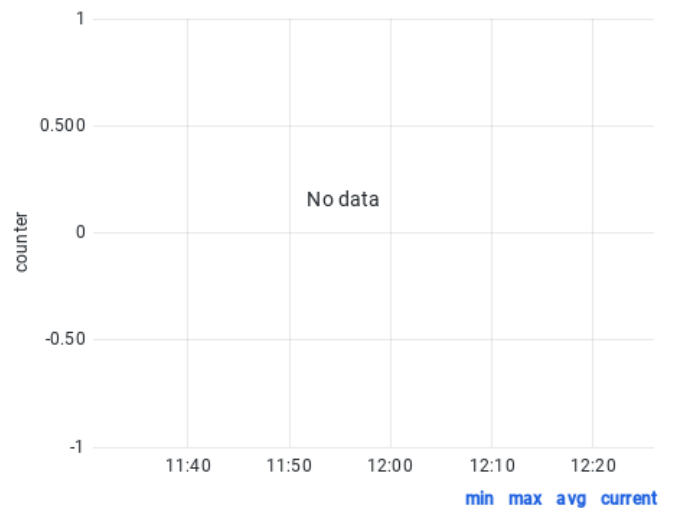
Hardware temperature monitor



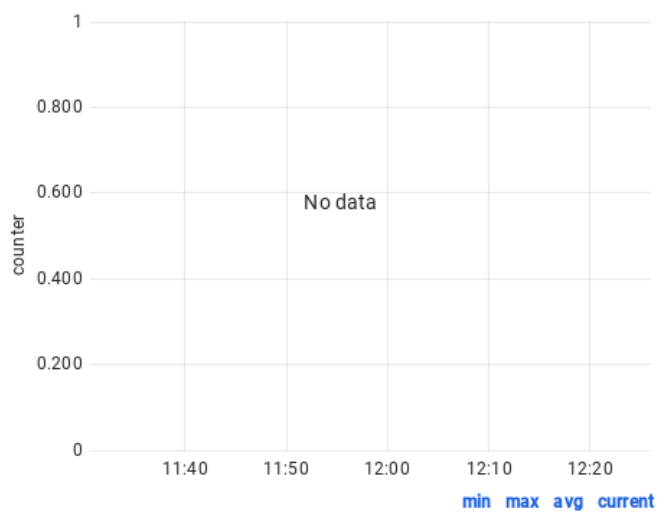
Throttle cooling device



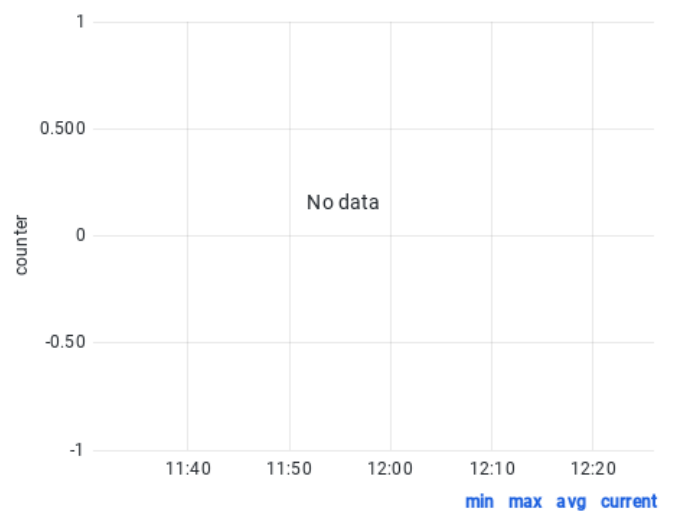
Power supply

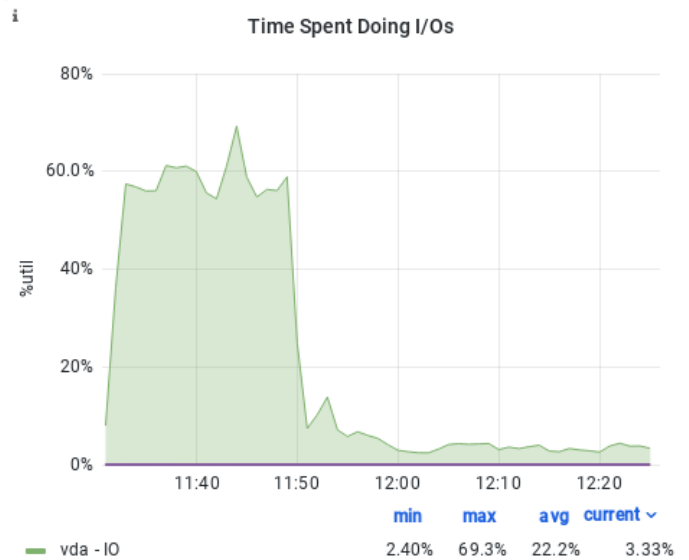
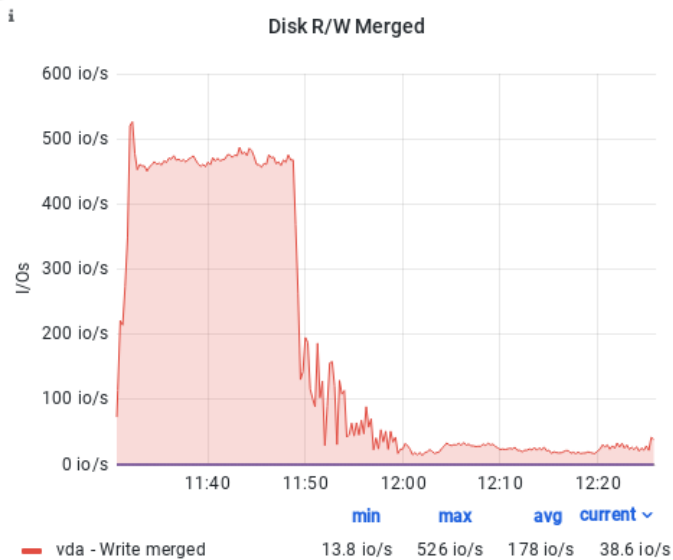
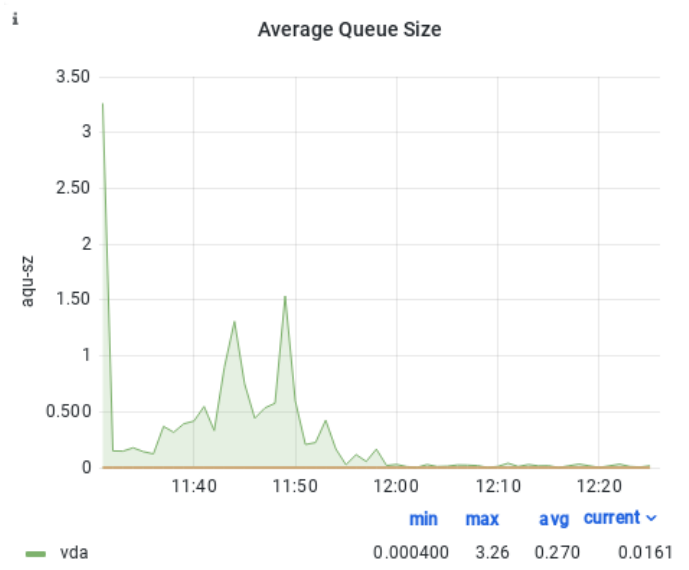
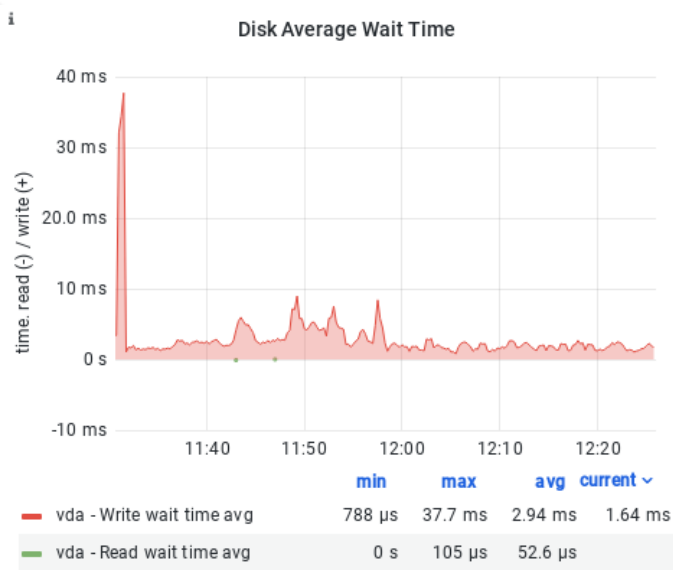
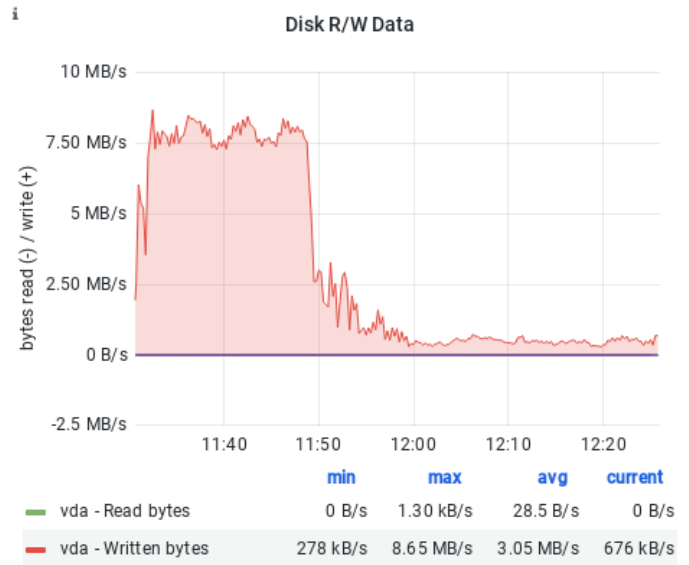
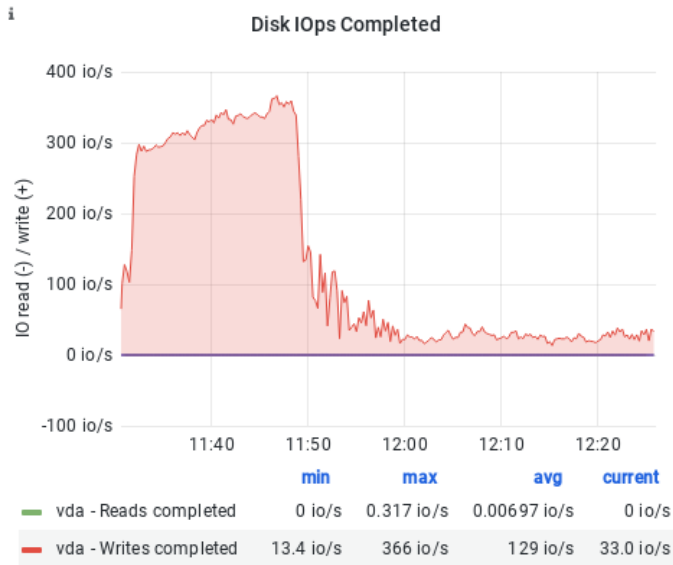


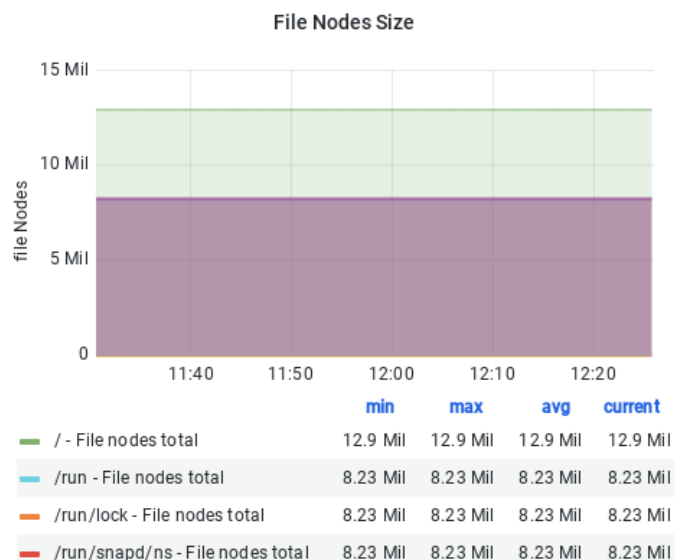
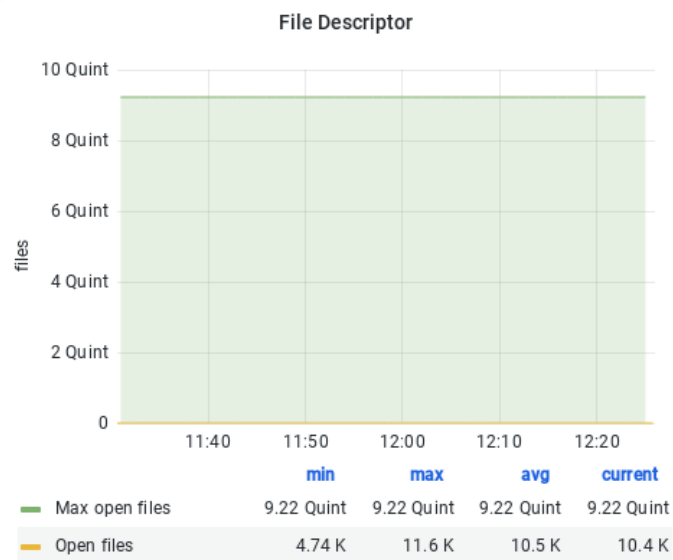
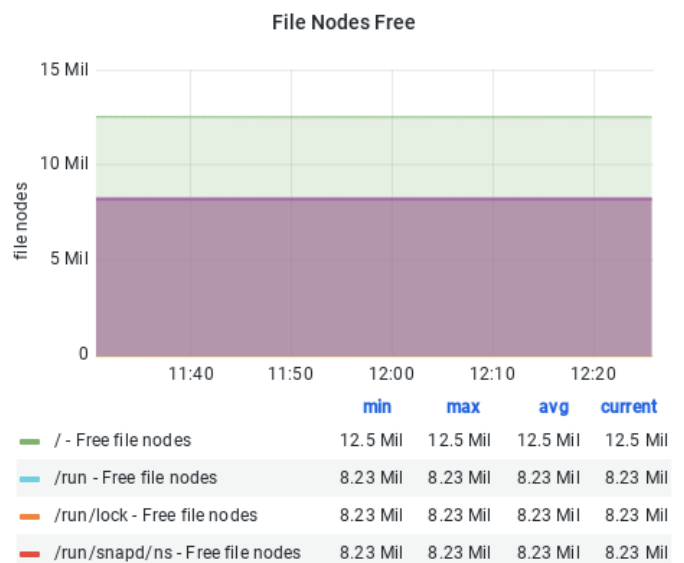
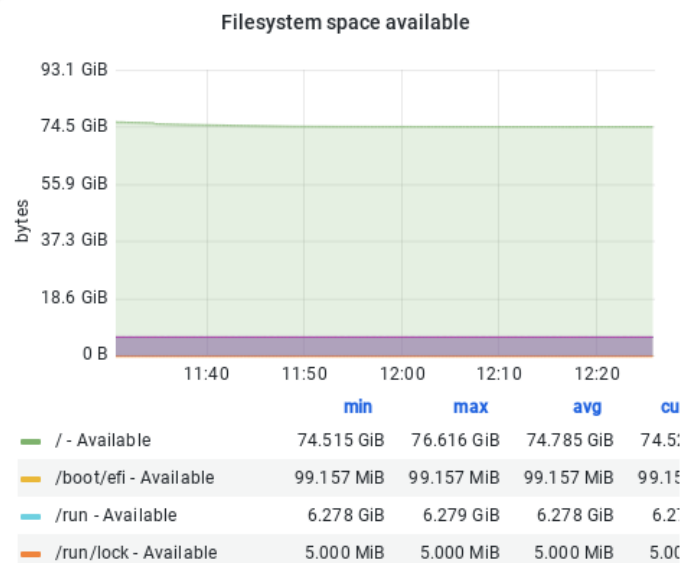
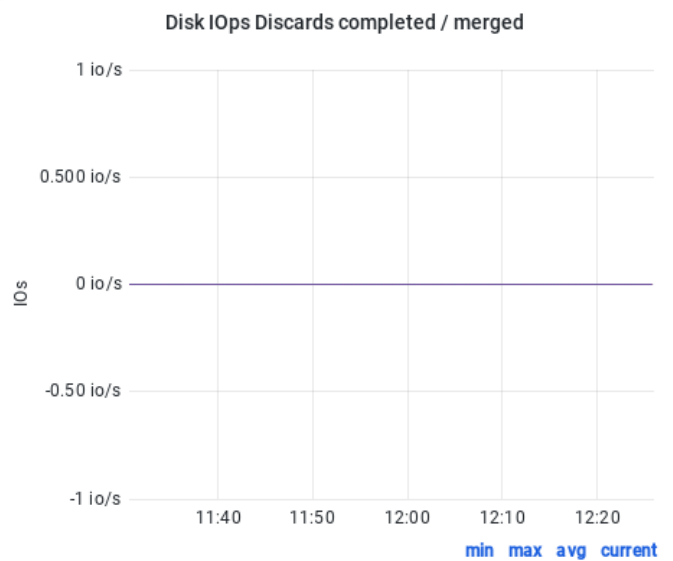
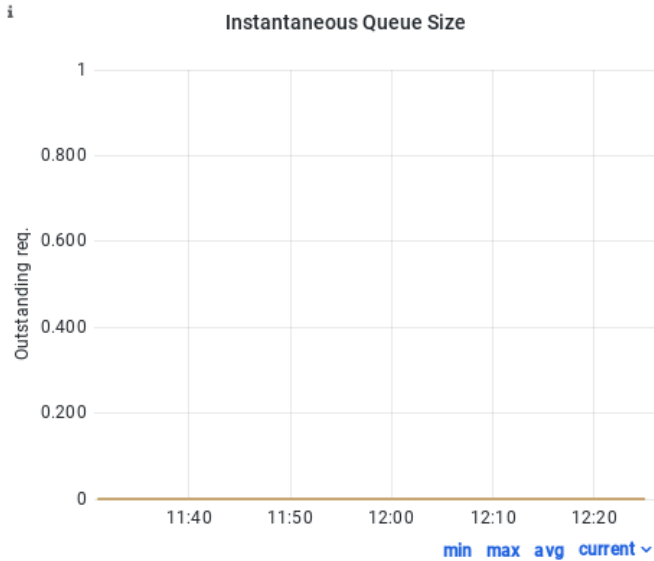
Systemd Sockets

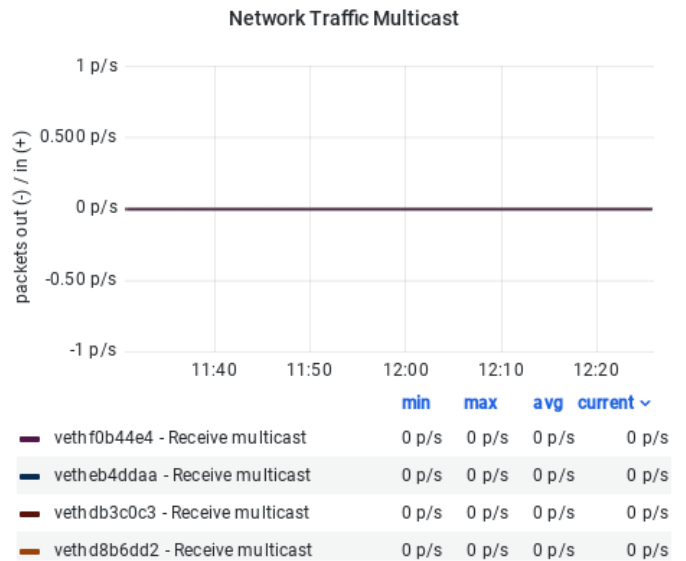
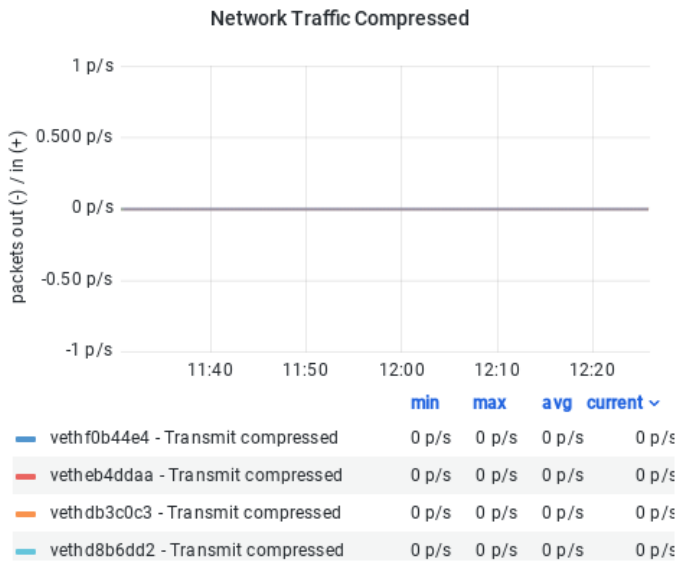
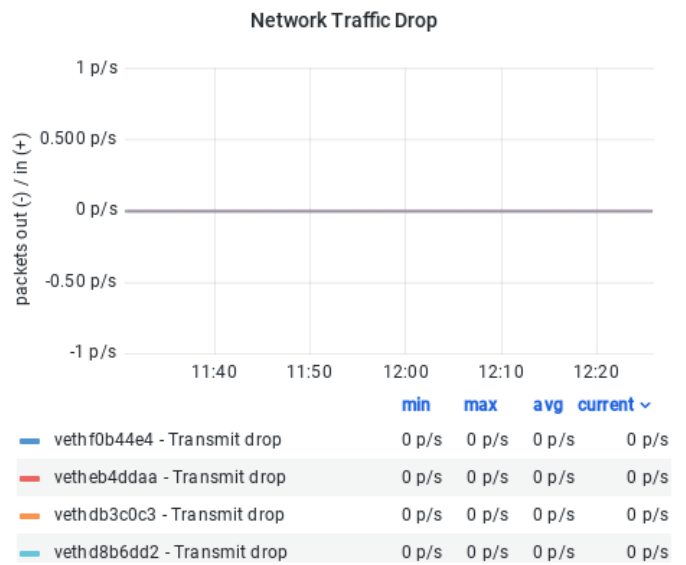
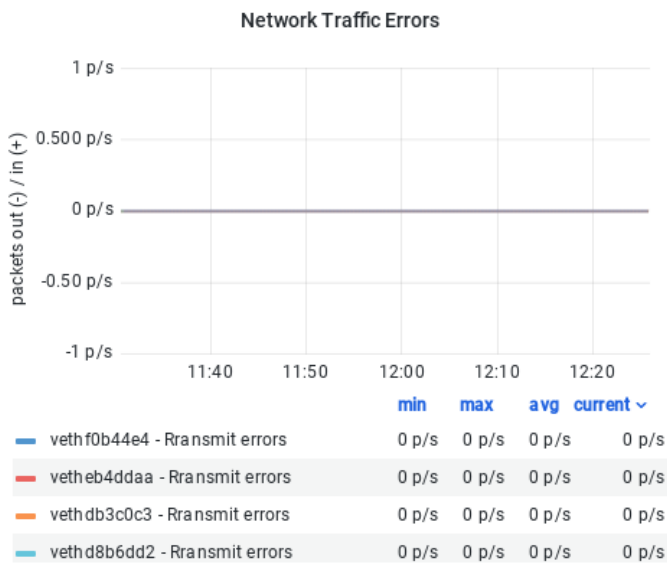
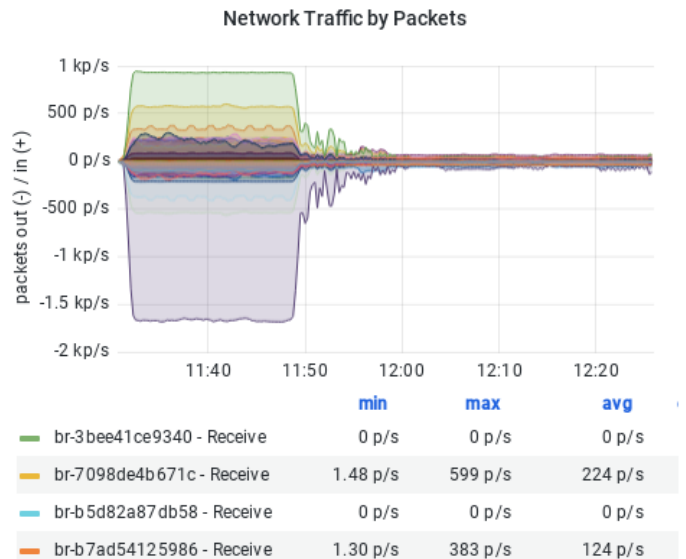
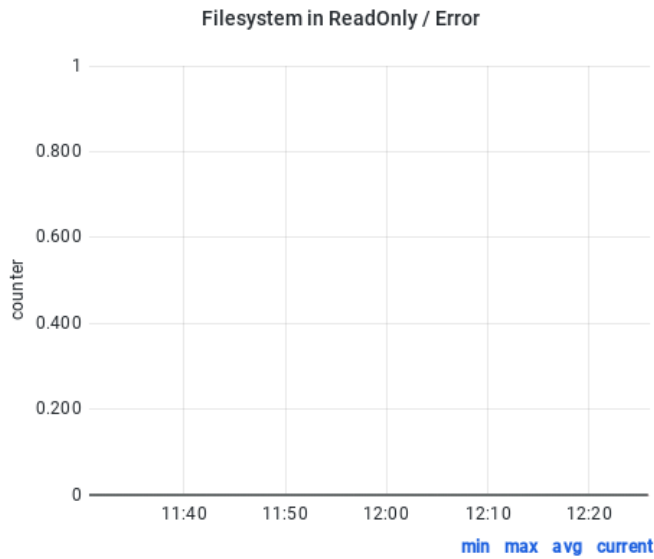


Systemd Units State

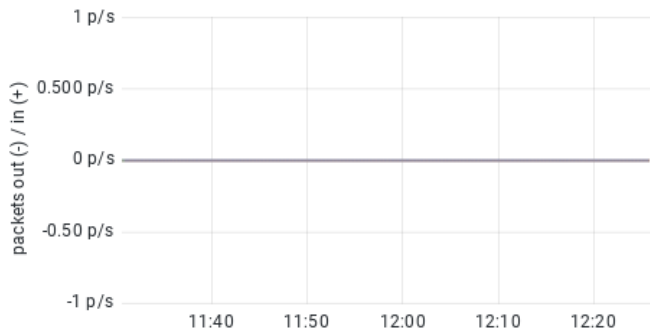






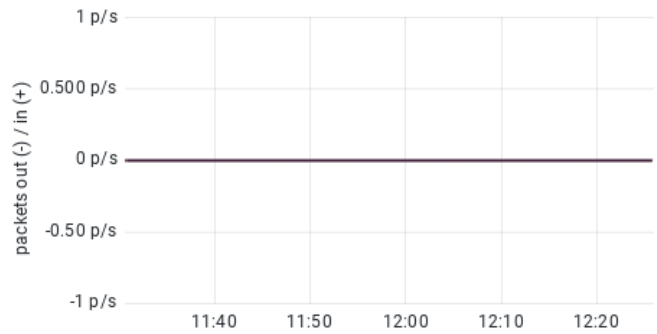


Network Traffic Fifo



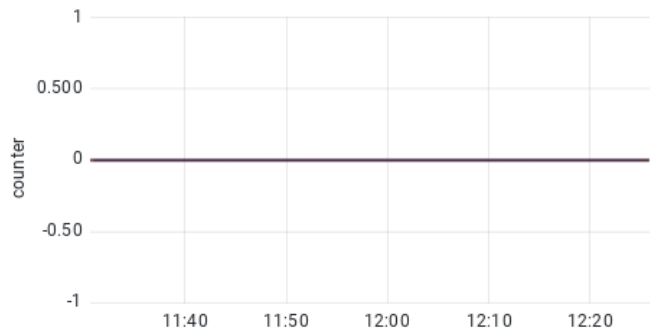
| | min | max | avg | current |
|-----------------------------|-------|-------|-------|---------|
| vethf0b44e4 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vetheb4ddaa - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vethdb3c0c3 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vethd8b6dd2 - Transmit fifo | 0 p/s | 0 p/s | 0 p/s | 0 p/s |

Network Traffic Frame



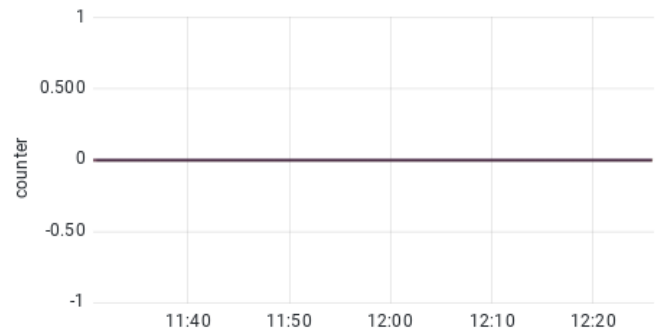
| | min | max | avg | current |
|-----------------------------|-------|-------|-------|---------|
| vethf0b44e4 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vetheb4ddaa - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vethdb3c0c3 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s |
| vethd8b6dd2 - Receive frame | 0 p/s | 0 p/s | 0 p/s | 0 p/s |

Network Traffic Carrier



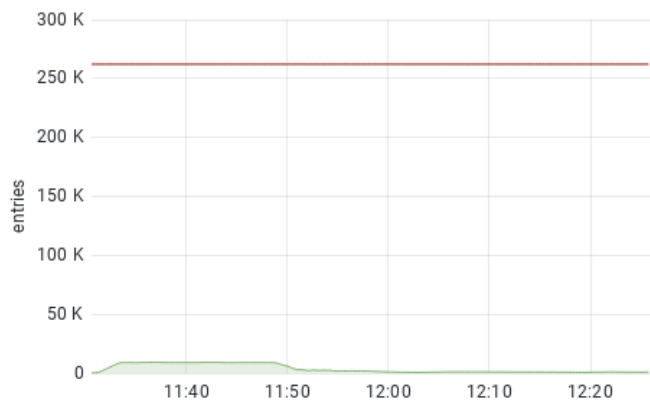
| | min | max | avg | current |
|--|-----|-----|-----|---------|
| vethf0b44e4 - Statistic transmit_carrier | 0 | 0 | 0 | 0 |
| vetheb4ddaa - Statistic transmit_carrier | 0 | 0 | 0 | 0 |
| vethdb3c0c3 - Statistic transmit_carrier | 0 | 0 | 0 | 0 |
| vethd8b6dd2 - Statistic transmit_carrier | 0 | 0 | 0 | 0 |

Network Traffic Colls



| | min | max | avg | current |
|------------------------------|-----|-----|-----|---------|
| vethf0b44e4 - Transmit colls | 0 | 0 | 0 | 0 |
| vetheb4ddaa - Transmit colls | 0 | 0 | 0 | 0 |
| vethdb3c0c3 - Transmit colls | 0 | 0 | 0 | 0 |
| vethd8b6dd2 - Transmit colls | 0 | 0 | 0 | 0 |

NF Contrack



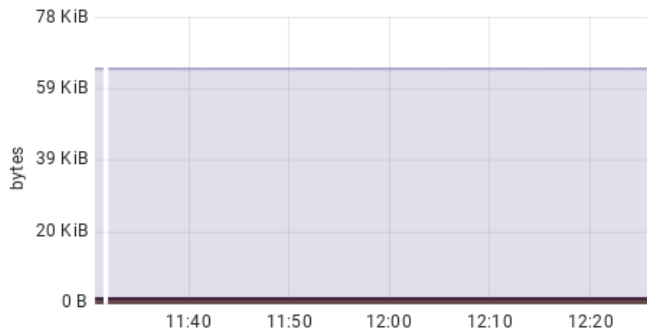
| | min | max | avg | current |
|----------------------|-------|--------|--------|---------|
| NF conntrack entries | 103 | 9.22 K | 3.63 K | 942 |
| NF conntrack limit | 262 K | 262 K | 262 K | 262 K |

ARP Entries



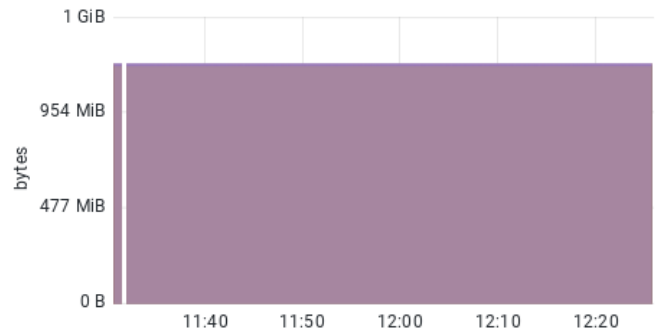
| | min | max | avg | current |
|-------------------------------|-----|-----|------|---------|
| br-7098de4b671c - ARP entries | 11 | 30 | 20.8 | 19 |
| br-b7ad54125986 - ARP entries | 4 | 5 | 4.86 | 4 |
| ens3 - ARP entries | 1 | 1 | 1 | 1 |

MTU



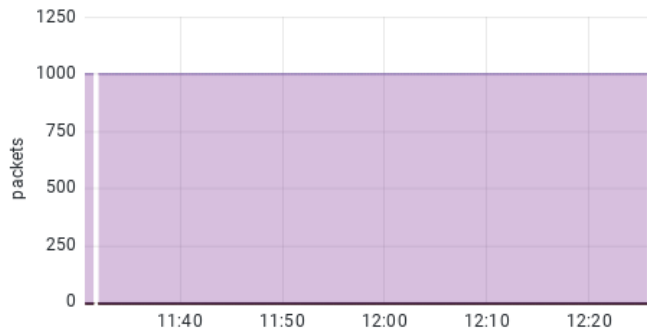
| | min | max | avg | current |
|-------------------------|---------|---------|---------|---------|
| br-3bee41ce9340 - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-7098de4b671c - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-b5d82a87db58 - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |
| br-b7ad54125986 - Bytes | 1.5 KiB | 1.5 KiB | 1.5 KiB | 1.5 KiB |

Speed



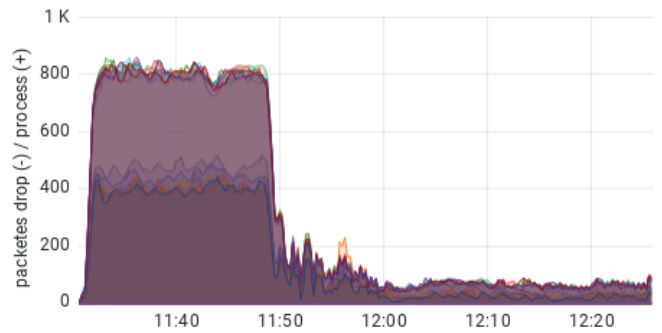
| | min | max | avg | current |
|---------------------|------------|------------|------------|------------|
| ens3 - Speed | -122.1 KiB | -122.1 KiB | -122.1 KiB | -122.1 KiB |
| veth01d9825 - Speed | 1.2 GiB | 1.2 GiB | 1.2 GiB | 1.2 GiB |
| veth03b2898 - Speed | 1.2 GiB | 1.2 GiB | 1.2 GiB | 1.2 GiB |
| veth03d6c01 - 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-b7ad54125986 - Interface transmit queue length | 0 | 0 | |

Softnet Packets



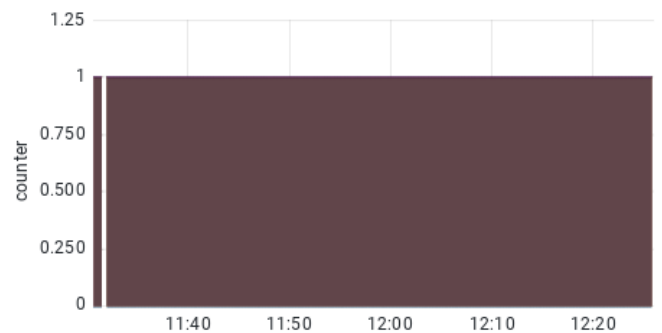
| | min | max | avg | current |
|--------------------|-------|-----|-----|---------|
| CPU 12 - Processed | 0.867 | 848 | 311 | 97.2 |
| CPU 14 - Processed | 1.63 | 859 | 304 | 92.5 |
| CPU 6 - Processed | 4.45 | 844 | 308 | 88.6 |
| CPU 10 - Processed | 2.93 | 857 | 307 | 87.3 |

Softnet Out of Quota



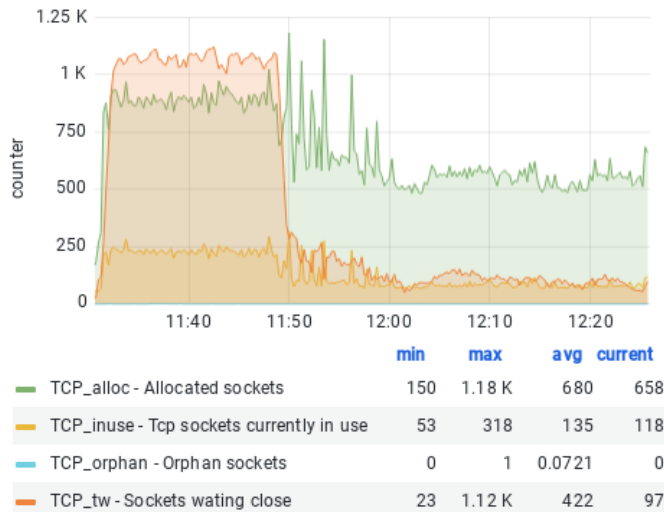
| | min | max | avg | current |
|------------------|-----|-----|-----|---------|
| CPU 9 - Squeezed | 0 | 0 | 0 | 0 |
| CPU 8 - Squeezed | 0 | 0 | 0 | 0 |
| CPU 7 - Squeezed | 0 | 0 | 0 | 0 |
| CPU 6 - Squeezed | 0 | 0 | 0 | 0 |

Network Operational Status

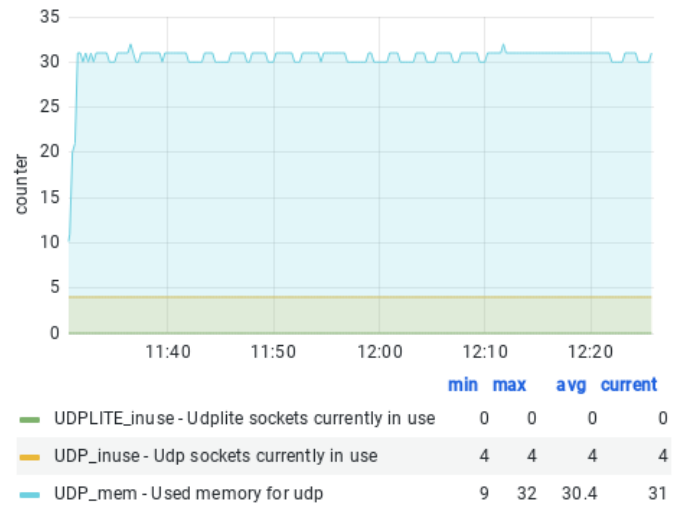


| | min | max | avg | current |
|-----------------------------------|-----|-----|-----|---------|
| vethf0b44e4 - Physical link state | 1 | 1 | 1 | 1 |
| vetheb4ddaa - Physical link state | 1 | 1 | 1 | 1 |
| vethdb3c0c3 - Physical link state | 1 | 1 | 1 | 1 |
| vethd8b6dd2 - Physical link state | 1 | 1 | 1 | 1 |

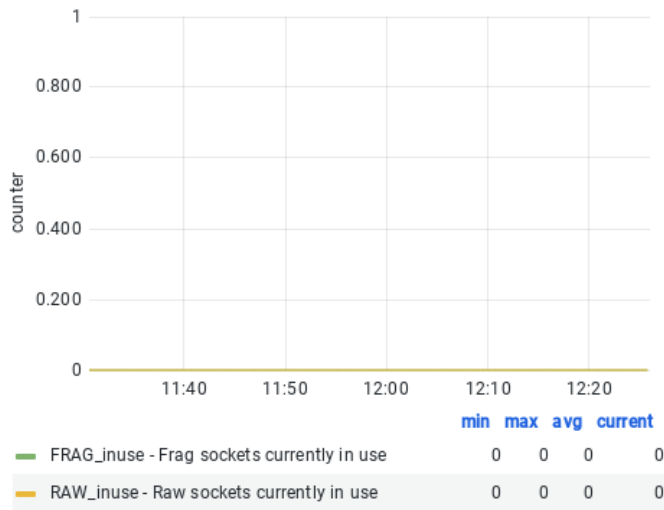
Sockstat TCP



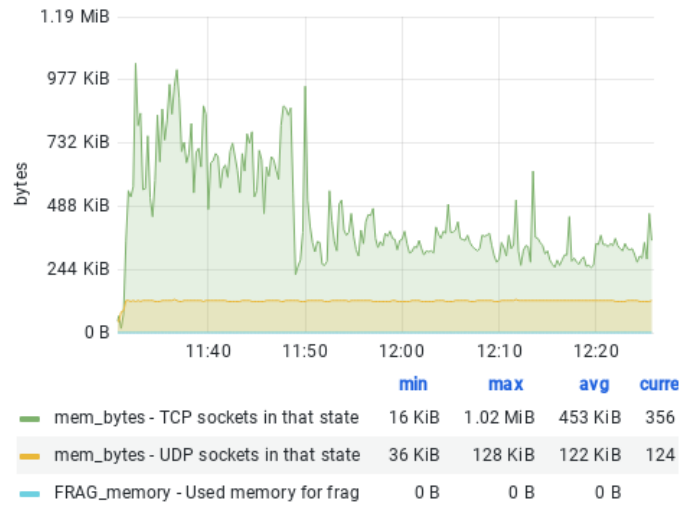
Sockstat UDP



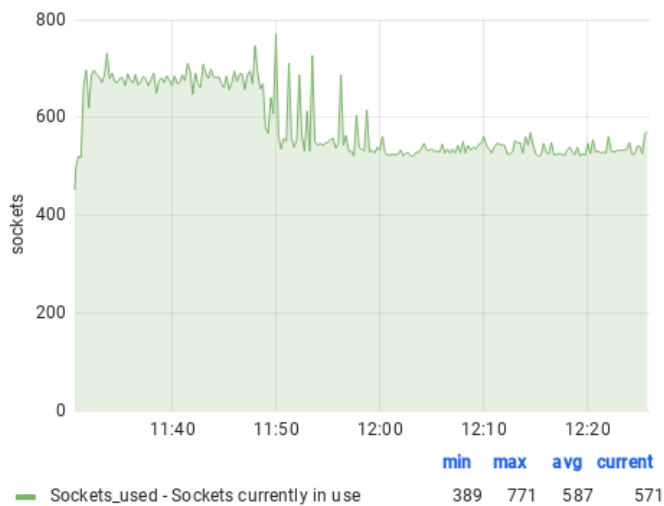
Sockstat FRAG / RAW



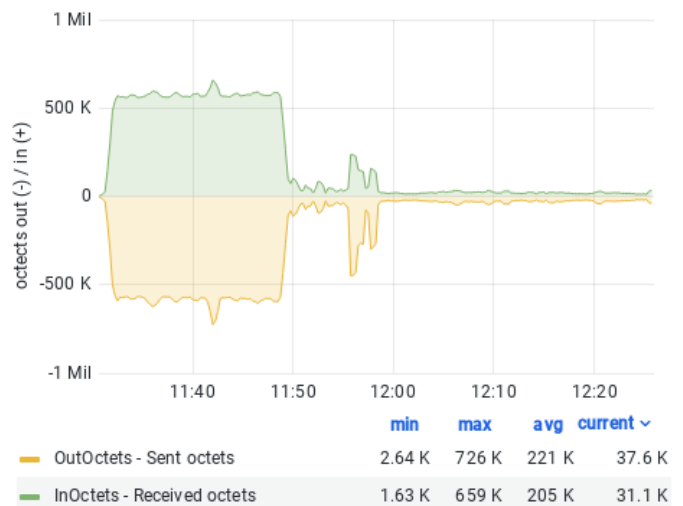
Sockstat Memory Size



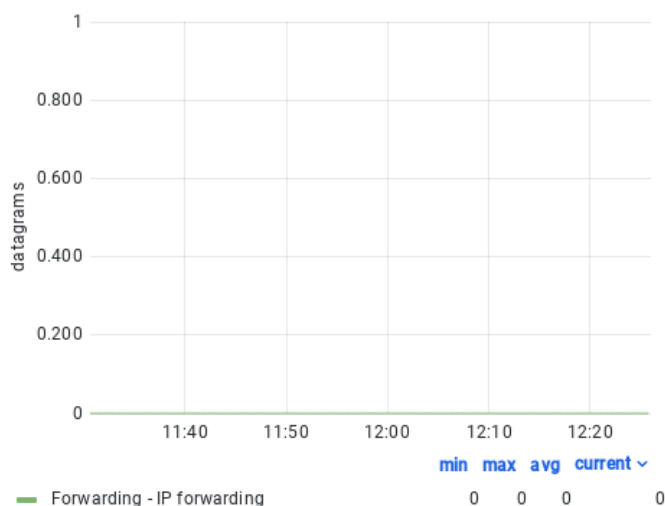
Sockstat Used



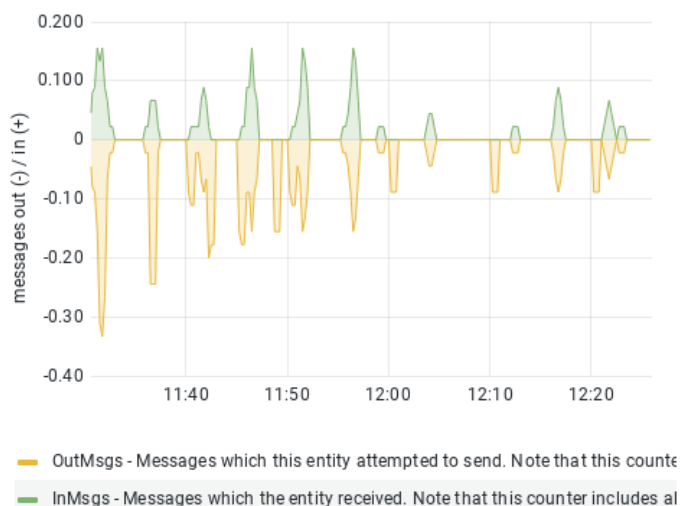
Netstat IP In / Out Octets



Netstat IP Forwarding



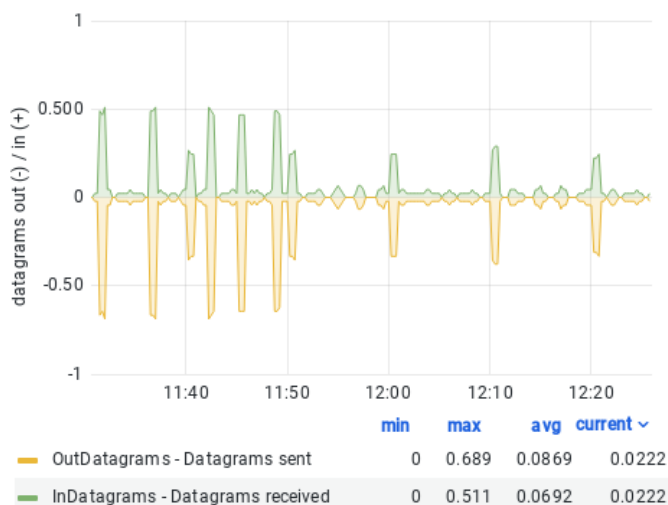
ICMP In / Out



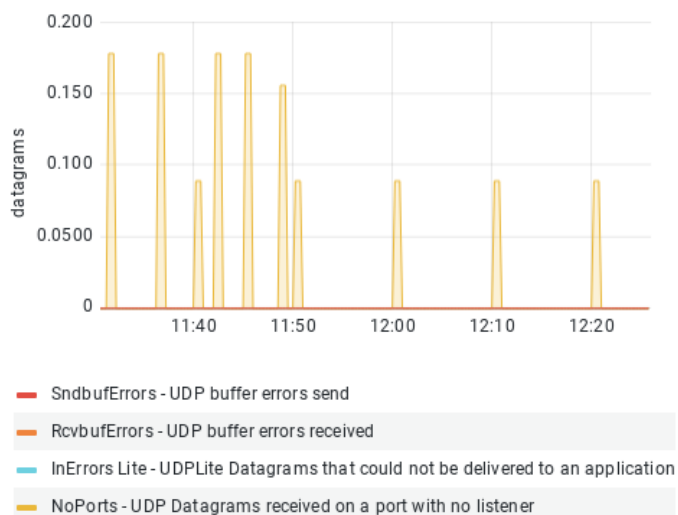
ICMP Errors



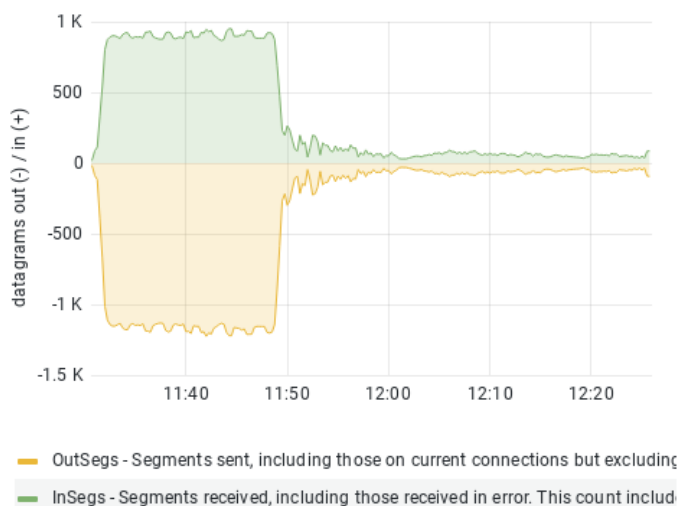
UDP In / Out



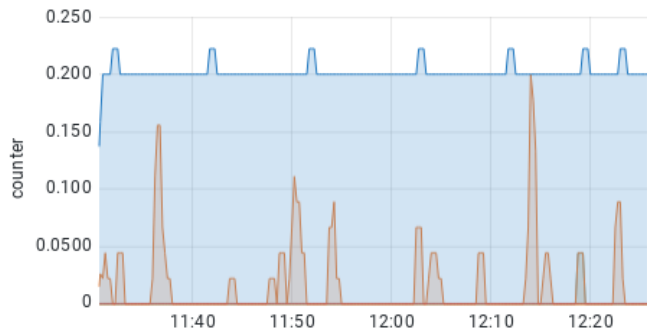
UDP Errors



TCP In / Out

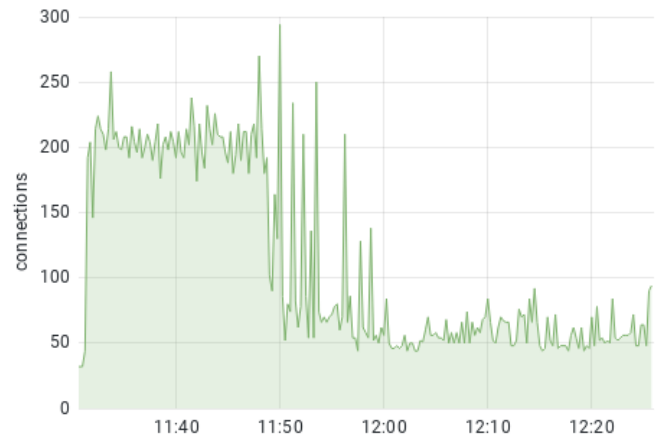


TCP Errors



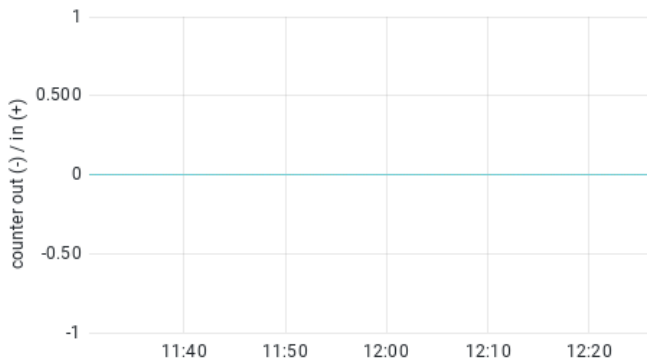
OutRsts - Segments sent with RST flag
 InErrs - Segments received in error (e.g., bad TCP checksums)
 RetransSegs - Segments retransmitted - that is, the number of TCP segments tr
 TCPSynRetrans - SYN-SYN/ACK retransmits to break down retransmissions in

TCP Connections



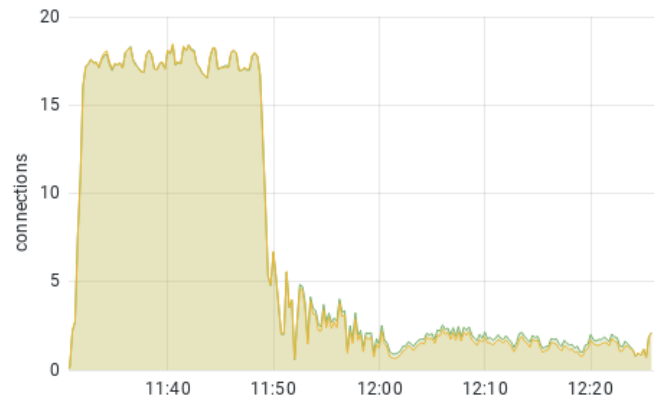
CurrEstab - TCP connections for which the current state is either ESTABLISHED

TCP SynCookie



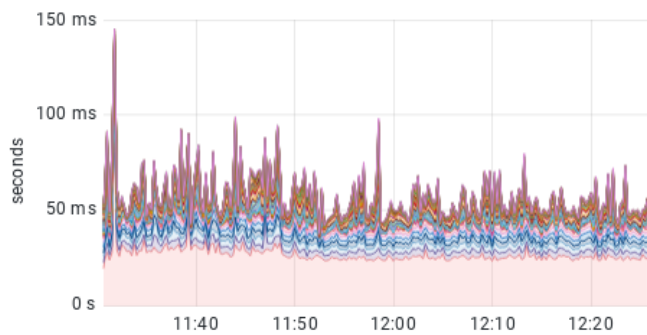
| | min | max | avg | current |
|---|-----|-----|-----|---------|
| SyncookiesSent - SYN cookies sent | 0 | 0 | 0 | 0 |
| SyncookiesRecv - SYN cookies received | 0 | 0 | 0 | 0 |
| SyncookiesFailed - Invalid SYN cookies received | 0 | 0 | 0 | 0 |

TCP Direct Transition



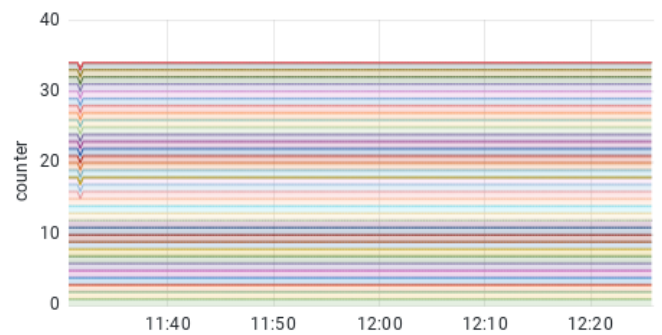
ActiveOpens - TCP connections that have made a direct transition to the SYN-S
 PassiveOpens - TCP connections that have made a direct transition to the SYN

Node Exporter Scrape Time



| | min | max | avg | current |
|------------------------------|---------|---------|---------|---------|
| netclass - Scrape duration | 14.2 ms | 105 ms | 27.2 ms | 24.9 |
| diskstats - Scrape duration | 1.68 ms | 15.1 ms | 3.41 ms | 3.10 |
| netdev - Scrape duration | 1.77 ms | 7.06 ms | 3.35 ms | 2.87 |
| filesystem - Scrape duration | 1.29 ms | 5.80 ms | 2.60 ms | 2.78 |

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 |