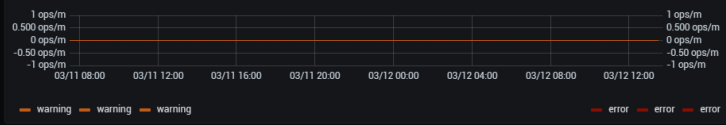
General / Cilium v1.12 Agent Metrics

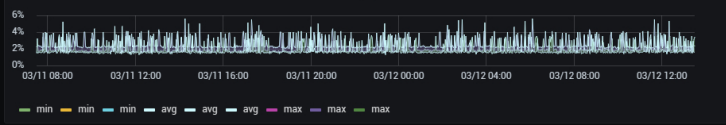
2023-03-11 07:30:00 to 2023-03-12 13:30:00 UTC

pod All

Errors & Warnings

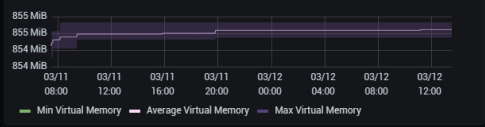


CPU Usage per node

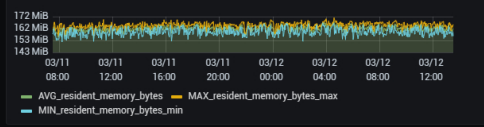


Generic

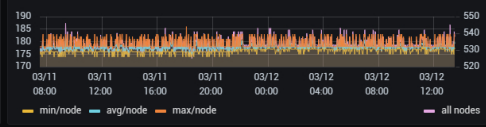
Virtual Memory Bytes



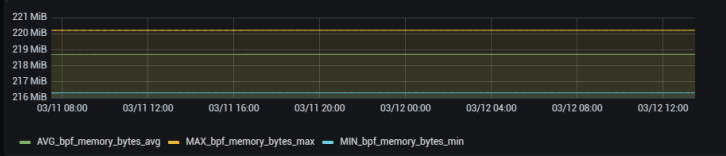
Resident memory status



Open file descriptors



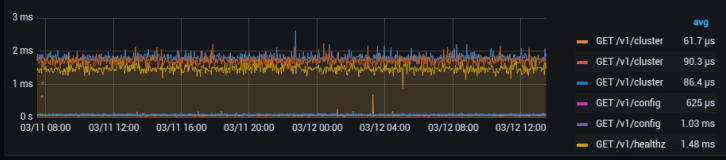
System-wide BPF memory usage



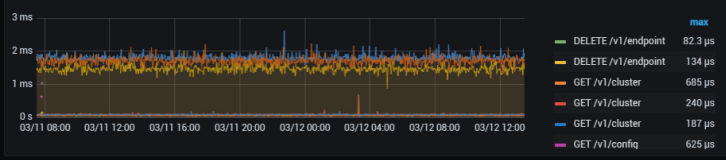
BPF map pressure

API

API call latency (average node)



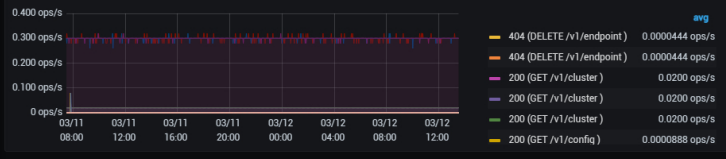
API call latency (max node)



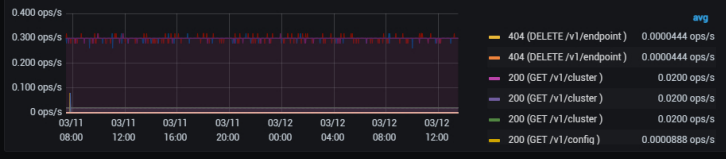
API calls (average node)

API calls (max node)

API return codes (average node)



API return codes (sum all nodes)



Cilium

BPF

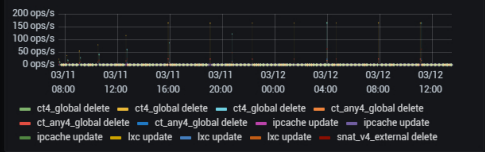
system calls (average node)

system calls (max node)

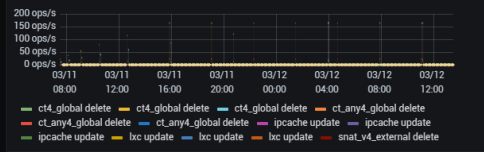
system call latency (avg node)

system call latency (max node)

map ops (average node)



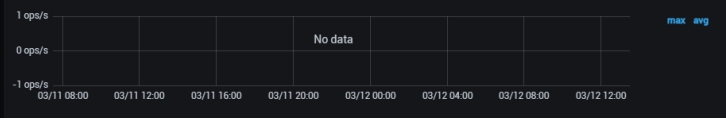
map ops (max node)



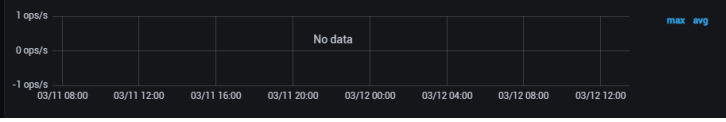
map ops (sum failures)

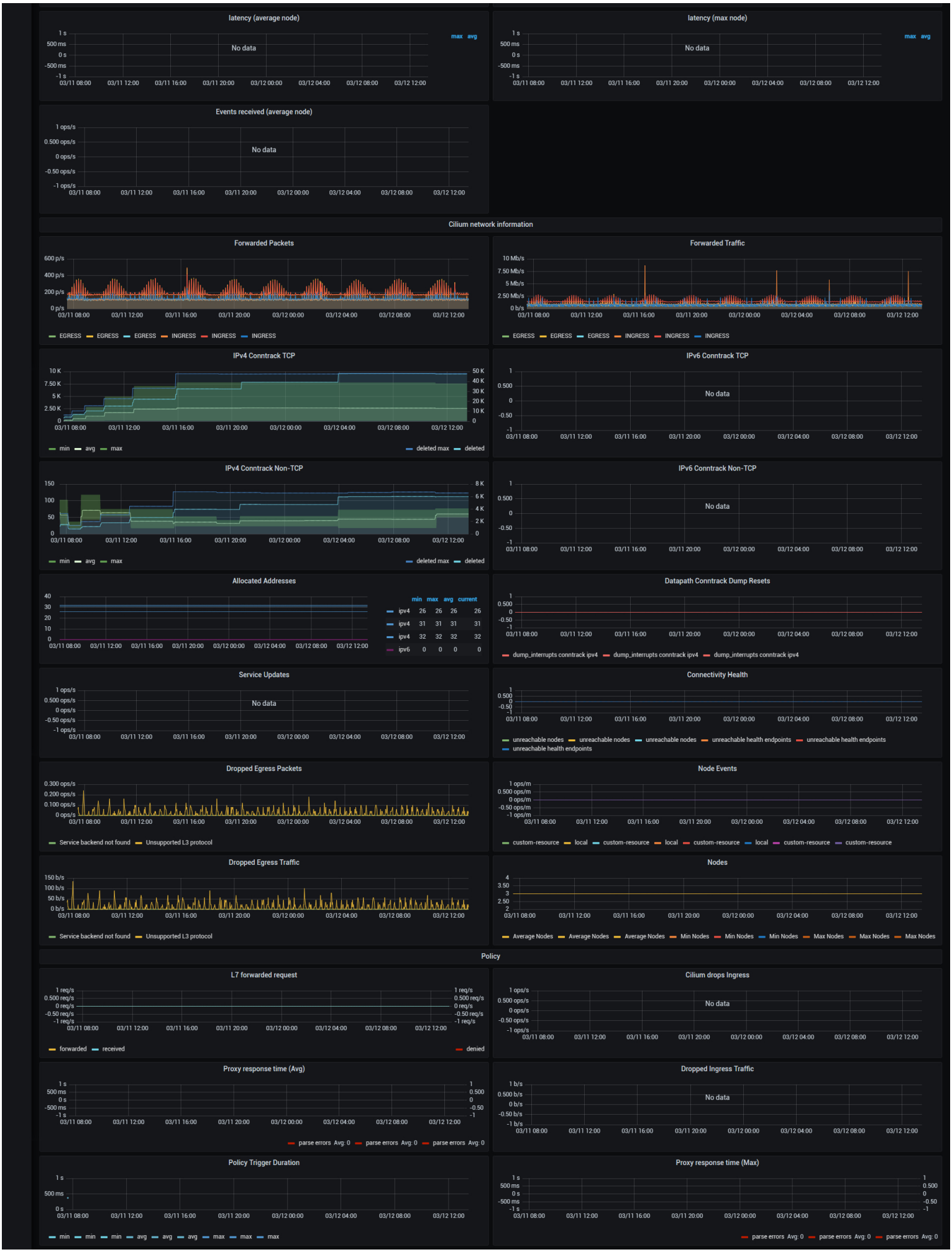
kvstore

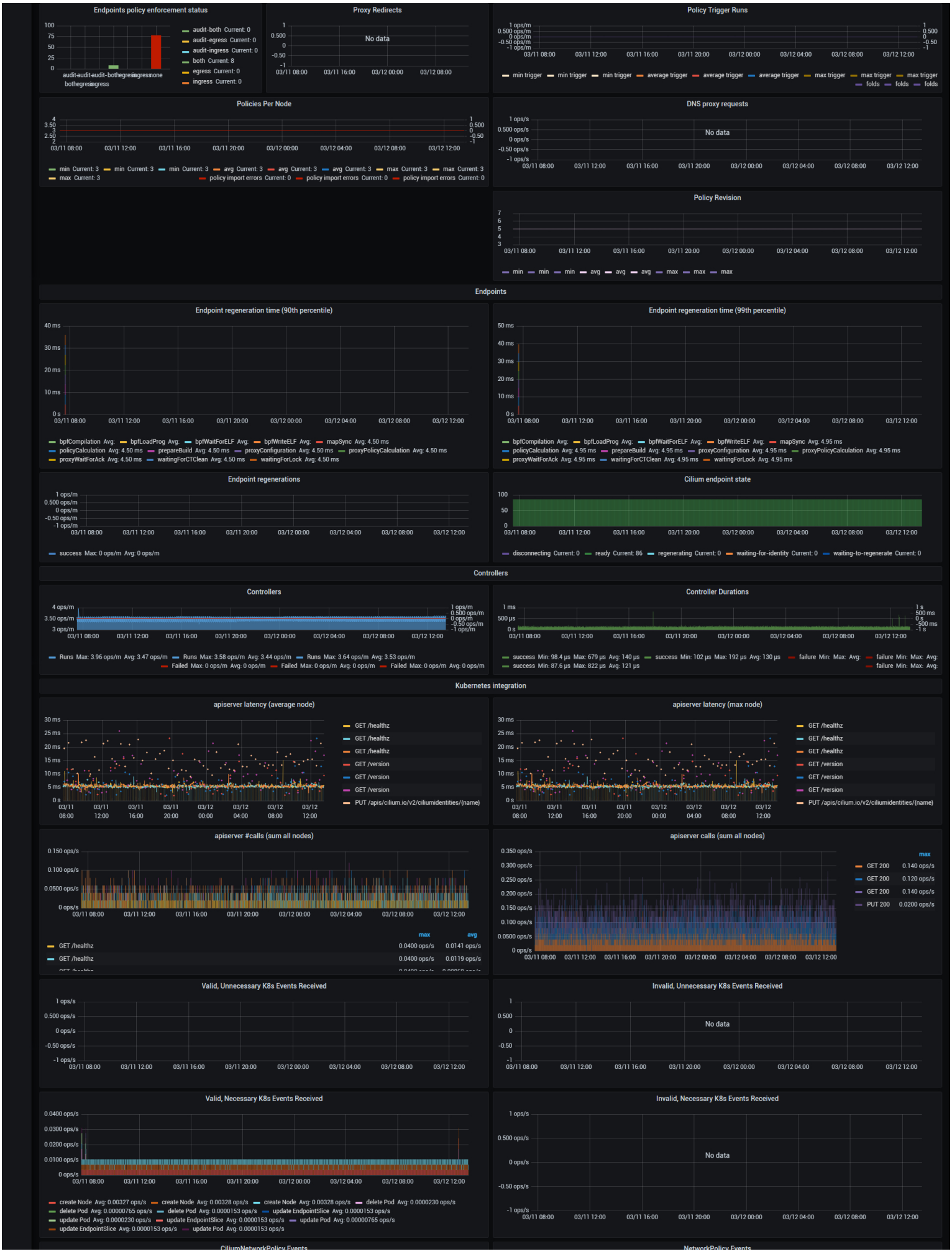
operations (sum all nodes)

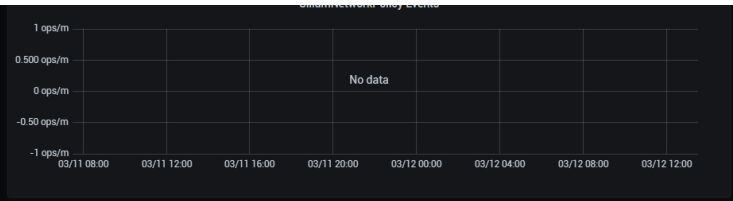


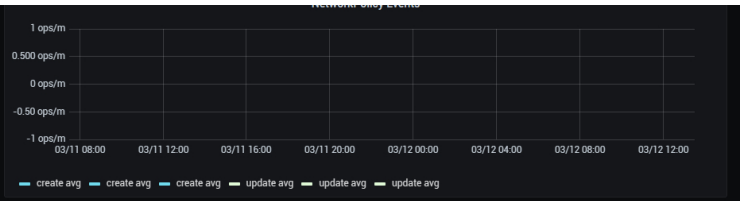
operations (max node)

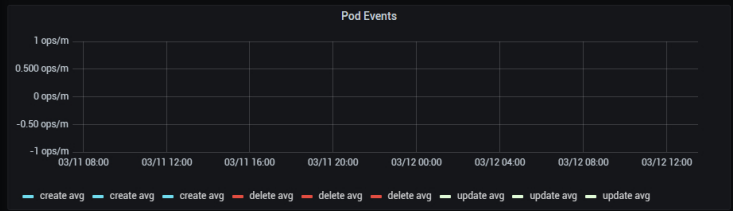


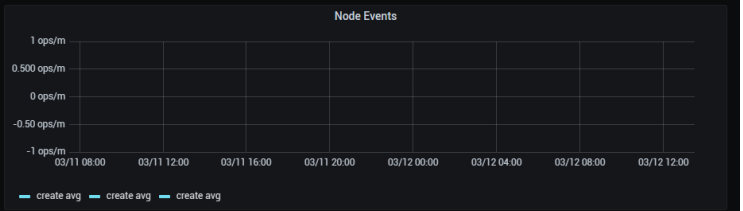

latency (average node)
No data
max avg
latency (max node)
No data
max avg
Events received (average node)
No data
Cilium network information
Forwarded Packets
EGRESS EGRESS EGRESS INGRESS INGRESS INGRESS
Forwarded Traffic
EGRESS EGRESS EGRESS INGRESS INGRESS INGRESS
IPv4 Conntrack TCP
min avg max
deleted max deleted
IPv6 Conntrack TCP
No data
IPv4 Conntrack Non-TCP
min avg max
deleted max deleted
IPv6 Conntrack Non-TCP
No data
Allocated Addresses
min max avg current
ipv4 26 26 26 26
ipv4 31 31 31 31
ipv4 32 32 32 32
ipv6 0 0 0 0
Datapath Conntrack Dump Resets
dump_interrupts conntrack ipv4 dump_interrupts conntrack ipv4 dump_interrupts conntrack ipv4
Service Updates
No data
Connectivity Health
unreachable nodes unreachable nodes unreachable nodes unreachable health endpoints unreachable health endpoints unreachable health endpoints
Dropped Egress Packets
Service backend not found Unsupported L3 protocol
Node Events
custom-resource local custom-resource local custom-resource local custom-resource custom-resource
Dropped Egress Traffic
Service backend not found Unsupported L3 protocol
Nodes
Average Nodes Average Nodes Average Nodes Min Nodes Min Nodes Min Nodes Max Nodes Max Nodes Max Nodes
Policy
L7 forwarded request
forwarded received
denied
Cilium drops Ingress
No data
Proxy response time (Avg)
parse errors Avg: 0 parse errors Avg: 0 parse errors Avg: 0
Dropped Ingress Traffic
No data
Policy Trigger Duration
min min min avg avg avg max max max
Proxy response time (Max)
parse errors Avg: 0 parse errors Avg: 0 parse errors Avg: 0

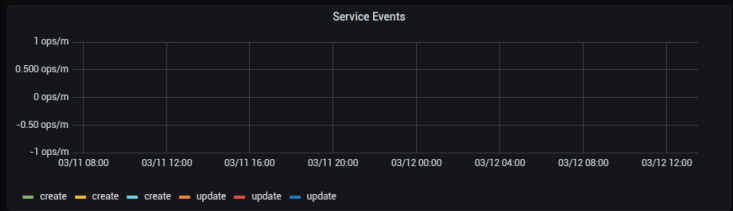

Endpoints policy enforcement status
audit-both Current: 0
audit-egress Current: 0
audit-ingress Current: 0
both Current: 8
egress Current: 0
ingress Current: 0
Proxy Redirects
No data
Policy Trigger Runs
min trigger
average trigger
max trigger
folds
Policies Per Node
min Current: 3
avg Current: 3
max Current: 3
policy import errors Current: 0
DNS proxy requests
No data
Policy Revision
min
avg
max
Endpoints
Endpoint regeneration time (90th percentile)
bpfCompilation Avg:
bpfLoadProg Avg:
bpfWaitForELF Avg:
bpfWriteELF Avg:
mapSync Avg: 4.50 ms
policyCalculation Avg: 4.50 ms
prepareBuild Avg: 4.50 ms
proxyConfiguration Avg: 4.50 ms
proxyPolicyCalculation Avg: 4.50 ms
proxyWaitForAck Avg: 4.50 ms
waitingForCTClean Avg: 4.50 ms
waitingForLock Avg: 4.50 ms
Endpoint regeneration time (99th percentile)
mapSync Avg: 4.95 ms
Endpoint regenerations
success Max: 0 ops/m Avg: 0 ops/m
Cilium endpoint state
disconnecting Current: 0
ready Current: 86
regenerating Current: 0
waiting-for-identity Current: 0
waiting-to-regenerate Current: 0
Controllers
Controllers
Runs Max: 3.96 ops/m Avg: 3.47 ops/m
Runs Max: 3.58 ops/m Avg: 3.44 ops/m
Runs Max: 3.64 ops/m Avg: 3.53 ops/m
Failed Max: 0 ops/m Avg: 0 ops/m
Failed Max: 0 ops/m Avg: 0 ops/m
Failed Max: 0 ops/m Avg: 0 ops/m
Controller Durations
Kubernetes integration
apiserver latency (average node)
apiserver latency (max node)
GET /healthz
GET /version
PUT /apis/cilium.io/v2/ciliumidentities/{name}
apiserver #calls (sum all nodes)
max
avg
GET /healthz 0.0400 ops/s 0.0141 ops/s
GET /healthz 0.0400 ops/s 0.0119 ops/s
apiserver calls (sum all nodes)
GET 200 0.140 ops/s
GET 200 0.120 ops/s
GET 200 0.140 ops/s
PUT 200 0.0200 ops/s
Valid, Unnecessary K8s Events Received
Invalid, Unnecessary K8s Events Received
No data
Valid, Necessary K8s Events Received
create Node Avg: 0.00327 ops/s
create Node Avg: 0.00328 ops/s
create Node Avg: 0.00328 ops/s
delete Pod Avg: 0.0000230 ops/s
delete Pod Avg: 0.00000765 ops/s
delete Pod Avg: 0.0000153 ops/s
update EndpointSlice Avg: 0.0000153 ops/s
update Pod Avg: 0.0000230 ops/s
update EndpointSlice Avg: 0.0000153 ops/s
update Pod Avg: 0.00000765 ops/s
update EndpointSlice Avg: 0.0000153 ops/s
update Pod Avg: 0.0000153 ops/s
Invalid, Necessary K8s Events Received
No data
CiliumNetworkPolicy Events
NetworkPolicy Events

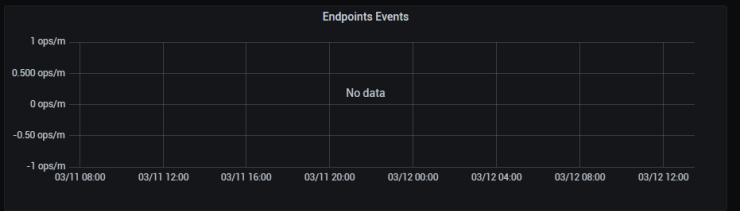

1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
No data
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00

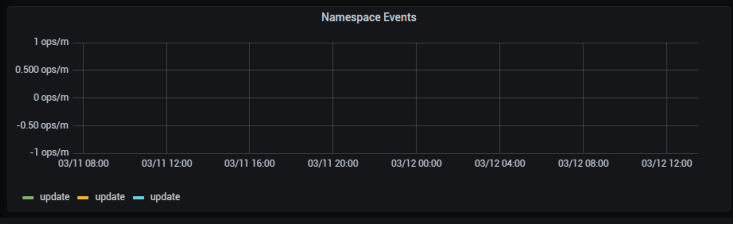

1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00
create avg
create avg
create avg
update avg
update avg
update avg


Pod Events
1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00
create avg
create avg
create avg
delete avg
delete avg
delete avg
update avg
update avg
update avg


Node Events
1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00
create avg
create avg
create avg


Service Events
1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00
create
create
create
update
update
update


Endpoints Events
1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
No data
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00


Namespace Events
1 ops/m
0.500 ops/m
0 ops/m
-0.50 ops/m
-1 ops/m
03/11 08:00
03/11 12:00
03/11 16:00
03/11 20:00
03/12 00:00
03/12 04:00
03/12 08:00
03/12 12:00
update
update
update