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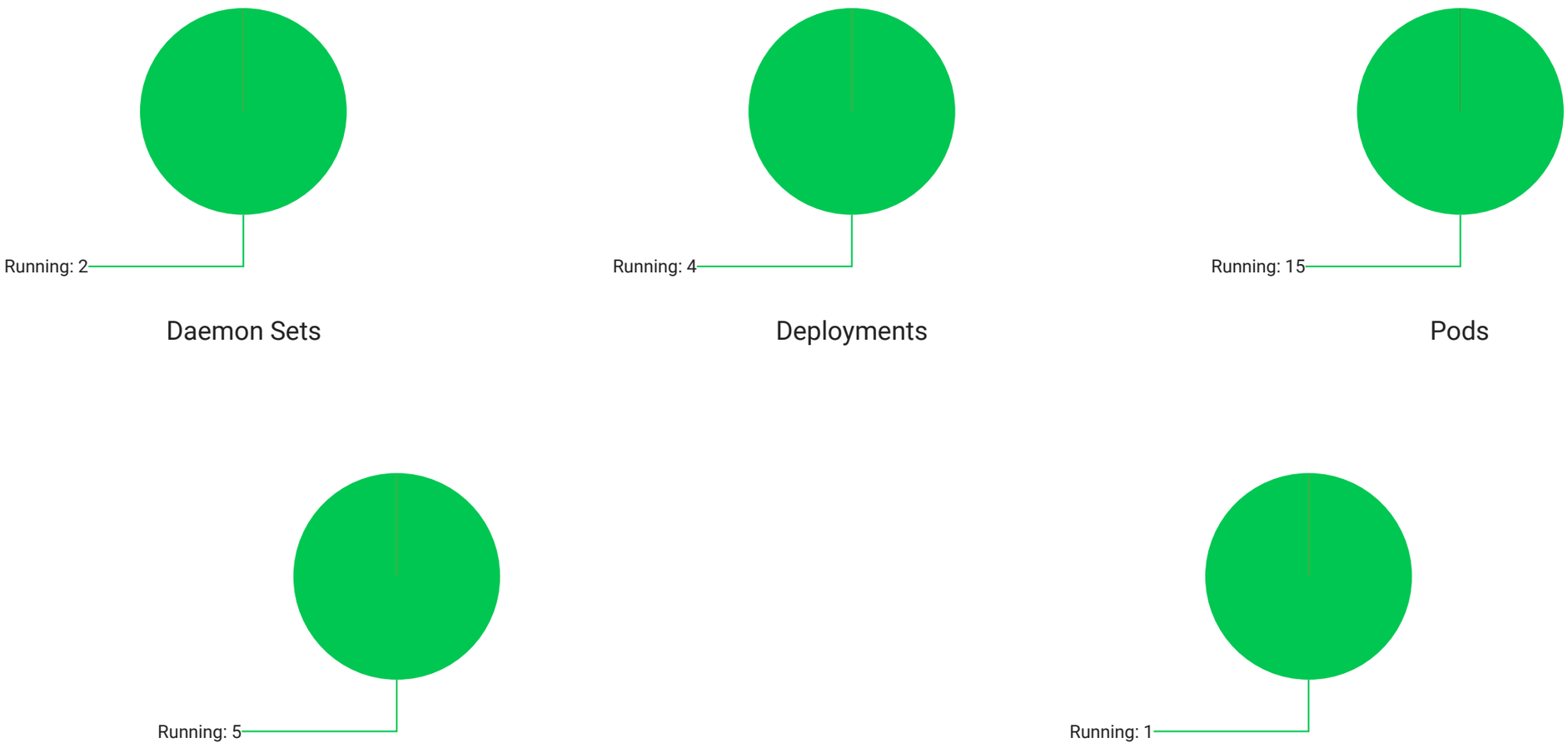
Workloads

Workload Status



Daemon Sets

Name	Namespace	Images	Labels	Pods	Created
kube-flannel-ds	kube-flannel	docker.io/rancher/mirrored-flannelcni-flannel:v0.20.1	app: flannel, tier: node	2 / 2	a day ago
kube-proxy	kube-system	registry.k8s.io/kube-proxy:v1.26.0	k8s-app: kube-proxy	2 / 2	a day ago

Deployments

Name	Namespace	Images	Labels	Pods	Created
ingress-nginx-controller	ingress-nginx	registry.k8s.io/ingress-nginx/controller:v1.5.1@sha256:4ba73c697770664c1e00e9f968de14e08f606ff961c76e5d7033a4a9c593c629	app.kubernetes.io/component: controller, app.kubernetes.io/instance: ingress-nginx, app.kubernetes.io/managed-by: Helm, Show all	1 / 1	a day ago
dashboard-metrics-scraper	kubernetes-dashboard	kubernetesui/metrics-scraper:v1.0.8	k8s-app: dashboard-metrics-scraper	1 / 1	a day ago
kubernetes-dashboard	kubernetes-dashboard	kubernetesui/dashboard:v2.6.1	k8s-app: kubernetes-dashboard	1 / 1	a day ago
coredns	kube-system	registry.k8s.io/coredns/coredns:v1.9.3	k8s-app: kube-dns	2 / 2	a day ago

Pods

Name	Namespace	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
dev-pg-postgresql-client	postgresql	docker.io/bitnami/postgresql:15.1.0-debian-11-r20	run: dev-pg-postgresql-client	r59	Running	0	-	-	47 minutes ago

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https://k8s:31997/#/pod?namespace=_all

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	Name	Namespace	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Me (by
●	dev-pg-postgresql-client	postgresql	docker.io/bitnami/postgresql:15.1.0-debian-11-r20	run: dev-pg-postgresql-client	r59	Running	0	-	-
●	dev-pg-postgresql-0	postgresql	docker.io/bitnami/postgresql:15.1.0-debian-11-r20	app.kubernetes.io/component: primary app.kubernetes.io/instance: dev-pg app.kubernetes.io/managed-by: Helm Show all	r59	Running	0	-	-
●	kubernetes-dashboard-6cff5bf695-fqt7g	kubernetes-dashboard	kubernetesui/dashboard:v2.6.1	k8s-app: kubernetes-dashboard pod-template-hash: 6cff5bf695	r59	Running	0	-	-
●	kube-apiserver-k8s	kube-system	registry.k8s.io/kube-apiserver:v1.26.0	component: kube-apiserver tier: control-plane	k8s	Running	1	-	-
●	ingress-nginx-controller-65dc77f88f-c6wgp	ingress-nginx	registry.k8s.io/ingress-nginx/controller:v1.5.1@sha256:4ba73c697770664c1e00e9f968de14e08f606ff961c76e5d7033a4a9c593c629	app.kubernetes.io/component: controller app.kubernetes.io/instance: ingress-nginx app.kubernetes.io/name: ingress-nginx Show all	r59	Running	0	-	-
●	dashboard-metrics-scraper-7bc864c59-6vnrm	kubernetes-dashboard	kubernetesui/metrics-scraper:v1.0.8	k8s-app: dashboard-metrics-scraper pod-template-hash: 7bc864c59	r59	Running	0	-	-
●	kube-proxy-87z7d	kube-system	registry.k8s.io/kube-proxy:v1.26.0	controller-revision-hash: 78545cdb7d k8s-app: kube-proxy pod-template-generation: 1	r59	Running	0	-	-
●	kube-flannel-ds-tj966	kube-flannel	docker.io/rancher/mirrored-flannelcni-flannel:v0.20.1	app: flannel controller-revision-hash: 858cf9786b pod-template-generation: 1 Show all	r59	Running	0	-	-
●	kube-flannel-ds-758xp	kube-flannel	docker.io/rancher/mirrored-flannelcni-flannel:v0.20.1	app: flannel controller-revision-hash: 858cf9786b pod-template-generation: 1 Show all	k8s	Running	0	-	-

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Name	Namespace	Images	Labels	Pods	Created
dev-pg-postgresql	postgresql	docker.io/bitnami/postgresql:15.1.0-debian-11-r20	app.kubernetes.io/component: primary app.kubernetes.io/instance: dev-pg app.kubernetes.io/managed-by: Helm app.kubernetes.io/name: postgresql helm.sh/chart: postgresql-12.1.9 Show less	1 / 1	an hour ago

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Ingresses

Name	Namespace	Labels	Endpoints	Hosts	Created
ingress-nginx	kubernetes-dashboard	-	-	-	a day ago

Ingress Classes

Name	Controller	Created
nginx	k8s.io/ingress-nginx	a day ago

Services

Name	Namespace	Labels	Type	Cluster IP	Internal Endpoints	External Endpoints	Created
dev-pg-postgresql	postgresql	app.kubernetes.io/component: primary app.kubernetes.io/instance: dev-pg app.kubernetes.io/managed-by: Helm Show all	ClusterIP	10.101.16.63	dev-pg-postgresql.postgresql:5432 TCP dev-pg-postgresql.postgresql:0 TCP	-	an hour ago
dev-pg-postgresql-hl	postgresql	app.kubernetes.io/component: primary app.kubernetes.io/instance: dev-pg app.kubernetes.io/managed-by: Helm Show all	ClusterIP	None	dev-pg-postgresql-hl.postgresql:5432 TCP dev-pg-postgresql-hl.postgresql:0 TCP	-	an hour ago
ingress-nginx-controller	ingress-nginx	app.kubernetes.io/component: controller app.kubernetes.io/instance: ingress-nginx app.kubernetes.io/managed-by: Helm Show all	LoadBalancer	10.105.80.51	ingress-nginx-controller.ingress-nginx:80 TCP ingress-nginx-controller.ingress-nginx:30990 TCP ingress-nginx-controller.ingress-nginx:443 TCP ingress-nginx-controller.ingress-nginx:31997 TCP	-	a day ago
ingress-nginx-controller-admission	ingress-nginx	app.kubernetes.io/component: controller app.kubernetes.io/instance: ingress-nginx app.kubernetes.io/managed-by: Helm Show all	ClusterIP	10.102.12.46	ingress-nginx-controller-admission.ingress-nginx:443 TCP ingress-nginx-controller-admission.ingress-nginx:0 TCP	-	a day ago
dashboard-metrics-scraper	kubernetes-dashboard	k8s-app: dashboard-metrics-scraper	ClusterIP	10.105.49.251	dashboard-metrics-scraper.kubernetes-dashboard:8000 TCP dashboard-metrics-scraper.kubernetes-dashboard:0 TCP	-	a day ago
kubernetes-dashboard	kubernetes-dashboard	k8s-app: kubernetes-dashboard	ClusterIP	10.97.46.192	kubernetes-dashboard.kubernetes-dashboard:443 TCP kubernetes-dashboard.kubernetes-dashboard:0 TCP	-	a day ago
kube-dns	kube-system	k8s-app: kube-dns kubernetes.io/cluster-service: true kubernetes.io/name: CoreDNS	ClusterIP	10.96.0.1	kube-dns.kube-system:53 UDP kube-dns.kube-system:0 UDP kube-dns.kube-system:53 TCP kube-dns.kube-system:0 TCP kube-dns.kube-system:9153 TCP kube-dns.kube-system:0 TCP	-	a day ago
kubernetes	default	component: apiserver provider: kubernetes	ClusterIP	10.96.0.1	kubernetes:443 TCP kubernetes:0 TCP	-	a day ago

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Config Maps

Name	Namespace	Labels	Created
kube-root-ca.crt	postgresql	-	17 hours ago
ingress-nginx-controller	ingress-nginx	app.kubernetes.io/component: controller app.kubernetes.io/instance: ingress-nginx app.kubernetes.io/managed-by: Helm Show all	a day ago
kube-root-ca.crt	ingress-nginx	-	a day ago
kubernetes-dashboard-settings	kubernetes-dashboard	k8s-app: kubernetes-dashboard	a day ago
kube-root-ca.crt	kubernetes-dashboard	-	a day ago
kube-root-ca.crt	kube-flannel	-	a day ago
kube-flannel-cfg	kube-flannel	app: flannel tier: node	a day ago
kube-root-ca.crt	kube-node-lease	-	a day ago
kube-root-ca.crt	kube-public	-	a day ago
kube-root-ca.crt	default	-	a day ago

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Persistent Volume Claims

	Name	Namespace	Labels	Status Volume	Capac	Access Modes	Storage Class	Created
●	pg-pvc	postgresql	-	Bound pgvol	4Gi	ReadWriteOnce	-	17 hours ago

Secrets

Name	Namespace	Labels	Type	Created
dev-pg-postgresql	postgresql	app.kubernetes.io/instance: dev-pg app.kubernetes.io/managed-by: Helm app.kubernetes.io/name: postgresql Show all	Opaque	an hour ago
sh.helm.release.v1.dev-pg.v1	postgresql	modifiedAt: 1673980364 name: dev-pg owner: helm Show all	helm.sh/release.v1	an hour ago
ingress-nginx-admission	ingress-nginx	-	Opaque	a day ago
sh.helm.release.v1.ingress-nginx.v1	ingress-nginx	modifiedAt: 1673819474 name: ingress-nginx owner: helm Show all	helm.sh/release.v1	a day ago
kubernetes-dashboard-certs	kubernetes-dashboard	k8s-app: kubernetes-dashboard	Opaque	a day ago
kubernetes-dashboard-csrf	kubernetes-dashboard	k8s-app: kubernetes-dashboard	Opaque	a day ago
kubernetes-dashboard-key-holder	kubernetes-dashboard	-	Opaque	a day ago

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Nodes

	Name	Labels	Ready	CPU requests (cores)	CPU limits (cores)	CPU capacity (cores)	Memory requests (bytes)	Memory limits (bytes)	Memory capacity (bytes)	Pods
●	r59	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 Show all	True	450.00m (5.63%)	100.00m (1.25%)	8.00	396.00Mi (5.10%)	50.00Mi (0.64%)	7.58Gi	7 (6.:
●	k8s	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 Show all	True	950.00m (47.50%)	100.00m (5.00%)	2.00	290.00Mi (10.32%)	390.00Mi (13.88%)	2.74Gi	8 (7.:

Persistent Volumes

	Name	Capacity	Access Modes	Reclaim Policy	Status	Claim	Storage Class	Reas
●	pgvol	storage: 4 Gi	ReadWrite Once	Retain	Bound	postgresql/pg-pvc	-	-

Role Bindings

Name	Namespace	Created ↑
ingress-nginx	ingress-nginx	a day ago
kubernetes-dashboard	kubernetes-dashboard	a day ago
kube-proxy	kube-system	a day ago
kubeadm:bootstrap-signer-clusterinfo	kube-public	a day ago
system::extension-apiserver-authentication-reader	kube-system	a day ago
kubeadm:nodes-kubeadm-config	kube-system	a day ago
kubeadm:kubelet-config	kube-system	a day ago
system::leader-locking-kube-controller-manager	kube-system	a day ago
system::leader-locking-kube-scheduler	kube-system	a day ago
system:controller:bootstrap-signer	kube-system	a day ago

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Roles

Name	Namespace	Created ↑
ingress-nginx	ingress-nginx	a day ago
kubernetes-dashboard	kubernetes-dashboard	a day ago
kube-proxy	kube-system	a day ago
kubeadm:bootstrap-signer-clusterinfo	kube-public	a day ago
kubeadm:nodes-kubeadm-config	kube-system	a day ago
kubeadm:kubelet-config	kube-system	a day ago

Metadata

Name: r59
Created: Jan 16, 2023
Age: a day ago
UID: 4ec38e1e-d6ce-4127-9798-390fc802c0ee

Labels
beta.kubernetes.io/arch: amd64
beta.kubernetes.io/os: linux
kubernetes.io/arch: amd64
kubernetes.io/hostname: r59
kubernetes.io/os: linux

Annotations
flannel.alpha.coreos.com/backend-data: {"VNI":1,"VtepMAC":"6e:9d:88:a3:d2:d8"}
flannel.alpha.coreos.com/backend-type: vxlan
flannel.alpha.coreos.com/kube-subnet-manager: true
flannel.alpha.coreos.com/public-ip: 192.168.1.200
kubeadm.alpha.kubernetes.io/cri-socket: unix:///var/run/containerd/containerd.sock
node.alpha.kubernetes.io/ttl: 0
volumes.kubernetes.io/controller-managed-attach-detach: true

Resource information

Pod CIDR
10.244.1.0/24

Addresses
InternalIP: 192.168.1.200
Hostname: r59

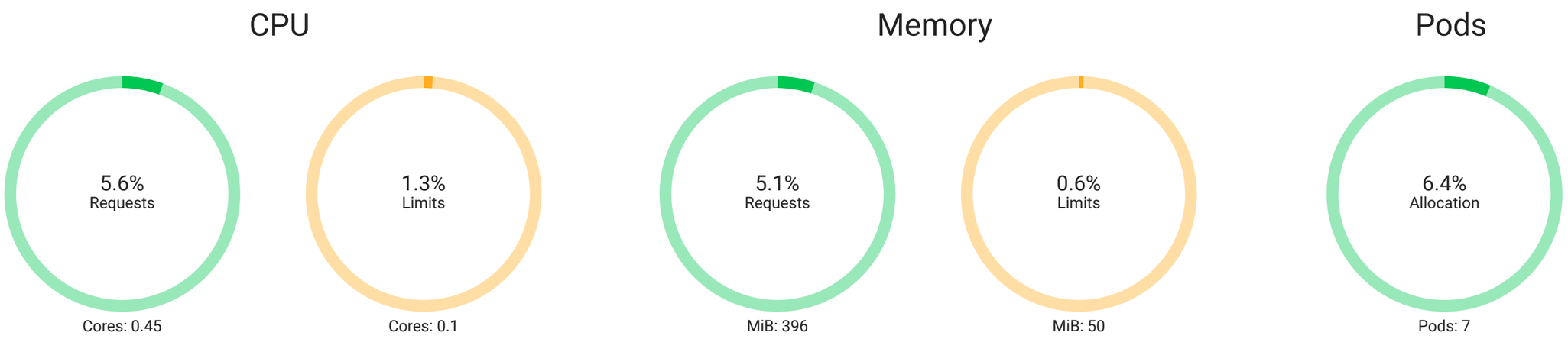
System information

Machine ID: 3a2ce670c55144249b85bd167d478bd6
System UUID: 064b5988-e67e-c95f-a7d2-2fa89a388684
Boot ID: 099e9610-08d4-4aea-ad39-e23111974f2a

Kernel version	OS Image	Container runtime version	kubelet version	kube-proxy version	Operating system	Architecture	CPU capacity
5.15.0-56-generic	Ubuntu 22.04.1 LTS	containerd://1.6.4	v1.26.0	v1.26.0	linux	amd64	8.00

Memory capacity: 7.58Gi
Pods capacity: 110

Allocation



Conditions

Type	Status	Last probe time	Last transition time	Reason	Message
NetworkUnavailable	False	a day ago	a day ago	FlannelIsUp	Flannel is running on this node
MemoryPressure	False	2 minutes ago	a day ago	KubeletHasSufficientMemory	kubelet has sufficient memory available
DiskPressure	False	2 minutes ago	a day ago	KubeletHasNoDiskPressure	kubelet has no disk pressure
PIDPressure	False	2 minutes ago	a day ago	KubeletHasSufficientPID	kubelet has sufficient PID available
Ready	True	2 minutes ago	a day ago	KubeletReady	kubelet is posting ready status. AppArmor enabled

Pods

Name	Namespace	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created

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Global settings

Global settings are stored in config map, so all of them are applied for every instance of the app.

Cluster name
Cluster name appears in the browser window title if it is set.

Cluster name: CEMEA-NORTH-MOSCOW-ITORACLE

Default namespace
Namespace that should be selected by default after logging in.

Namespace: default

Namespace fallback list
List of namespaces that should be presented to user without namespace list privileges.

default

Items per page
Max number of items that can be displayed on every list view.

Labels limit
Max number of labels that are displayed by default on most views.

Logs auto-refresh time interval
Number of seconds between every auto-refresh of logs.

Resource auto-refresh time interval
Number of seconds between every auto-refresh of every resource. Set 0 to disable.

Disable access denied notification
Hides all access denied warnings in the notification panel.

Save Reload

Local settings

Local settings are stored in the browser cookies, so they are not synchronized between multiple devices. Changes are applied automatically on every change.

Theme
Choose color theme of the dashboard

System

Language
Change the language of the dashboard

General / Node Exporter Server Metrics v2

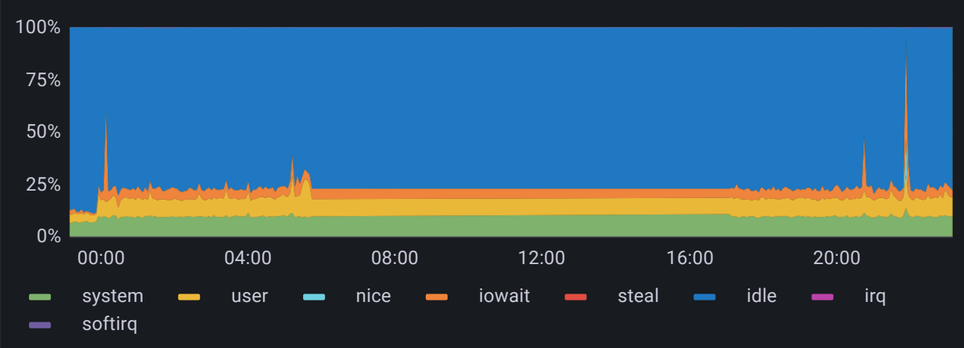
Host: k8s:9100 + r59:9100

k8s:9100

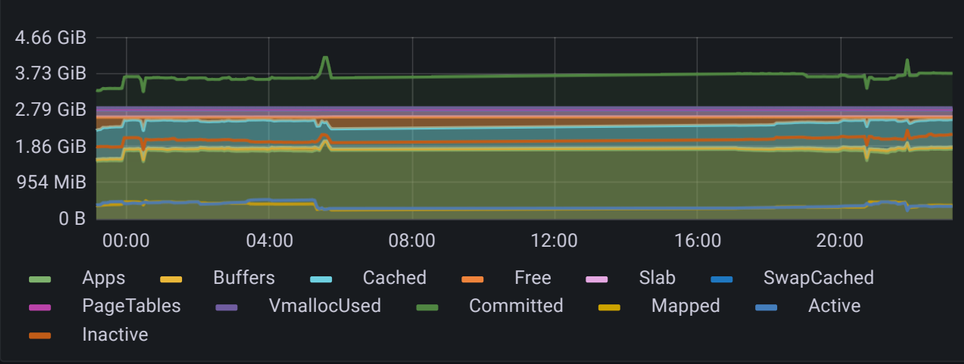
CPU Cores

2

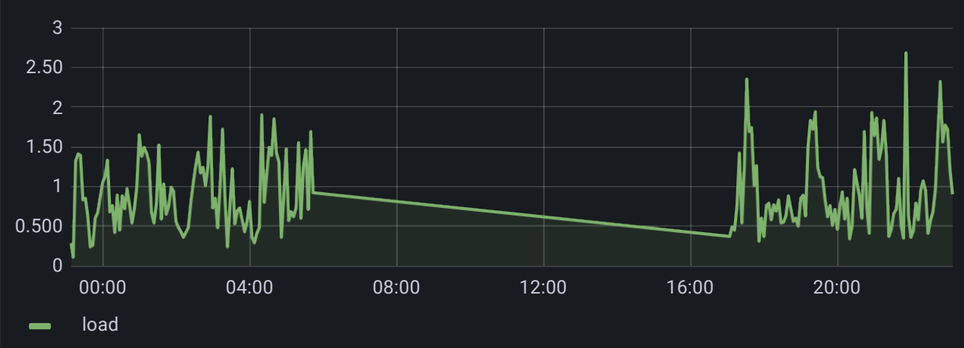
CPU



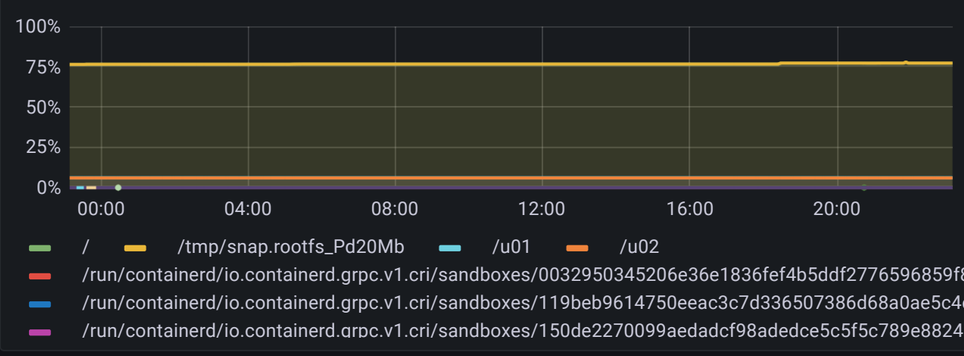
Memory



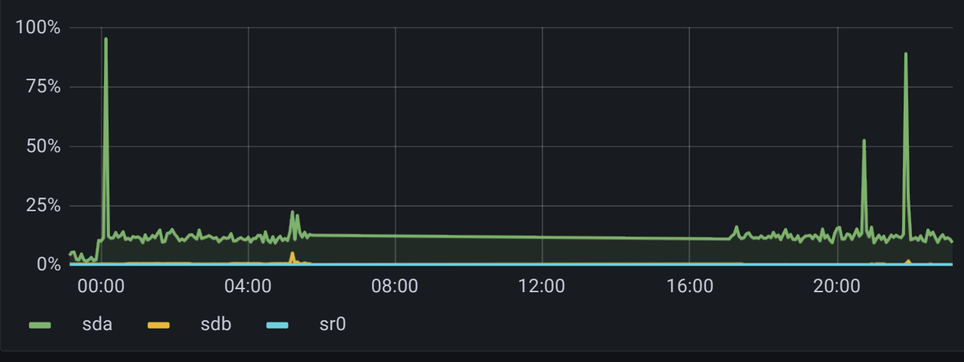
Load



Disk Space Used



Disk Utilization per Device



Disk IOps per Device

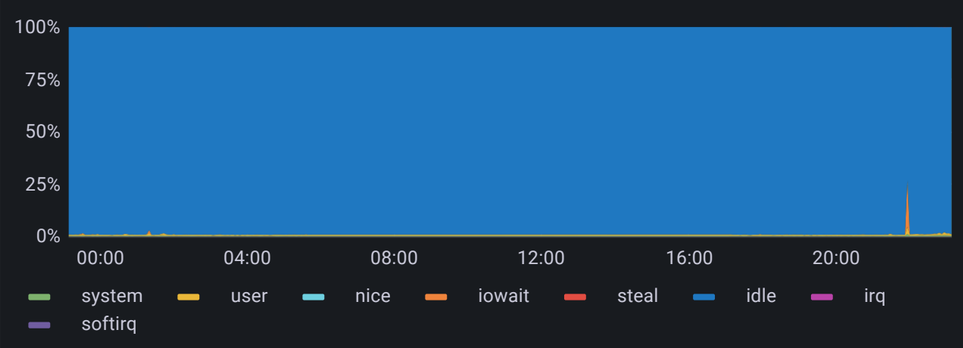
Disk Throughput per Device

r59:9100

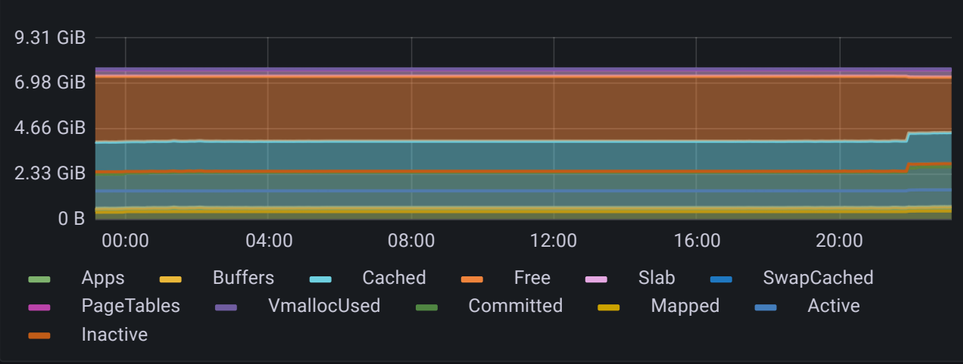
CPU Cores

8

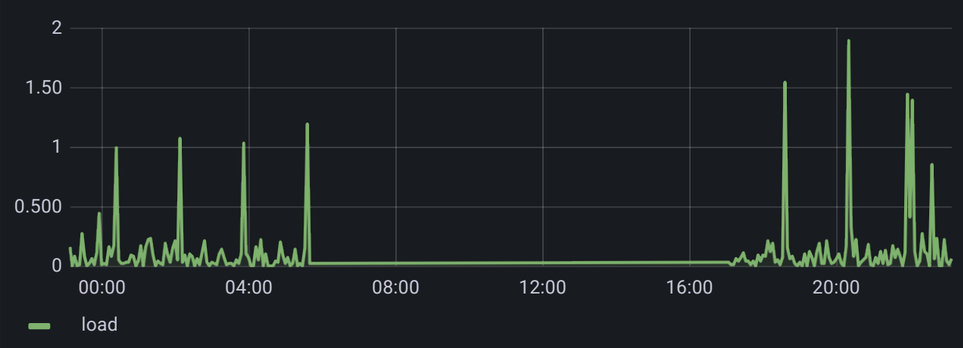
CPU



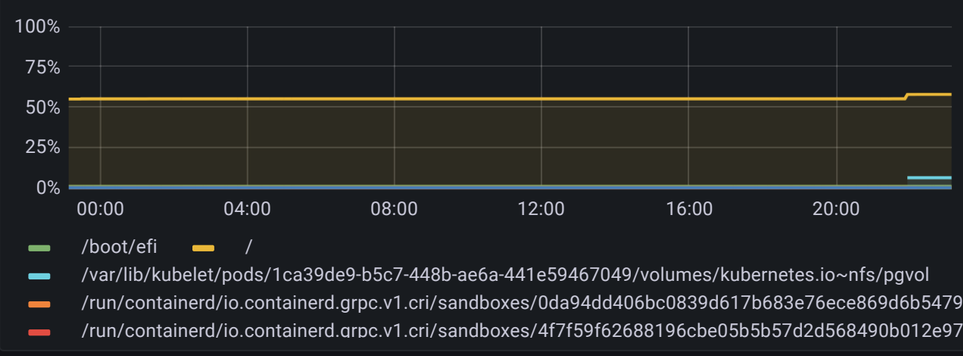
Memory



Load

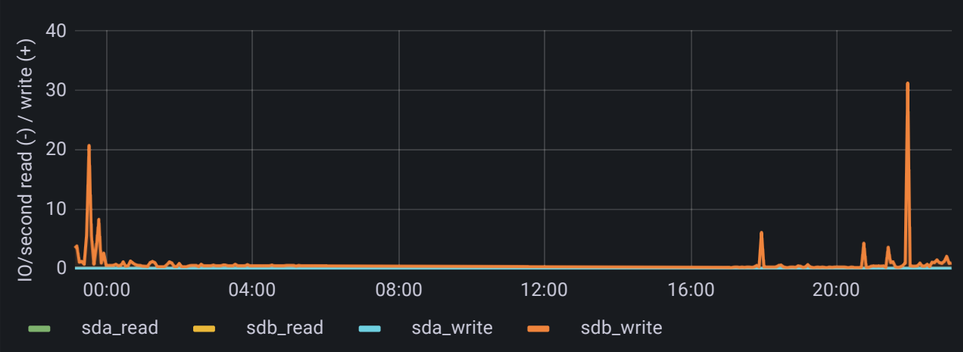


Disk Space Used

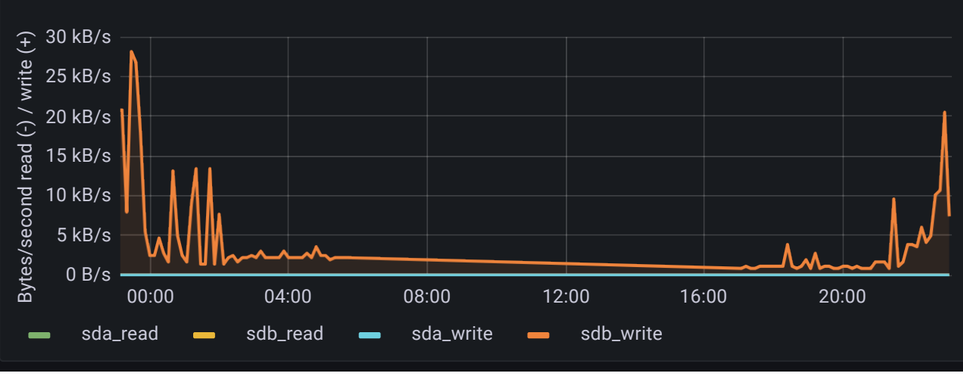


Disk Utilization per Device

Disk IOps per Device



Disk Throughput per Device



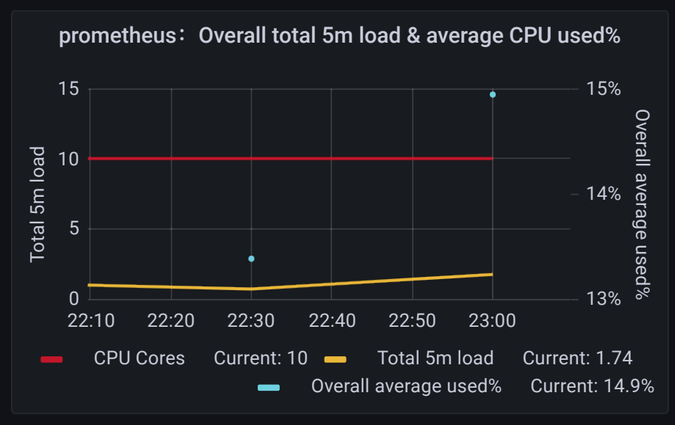
General / Node Exporter for Prometheus Dash...

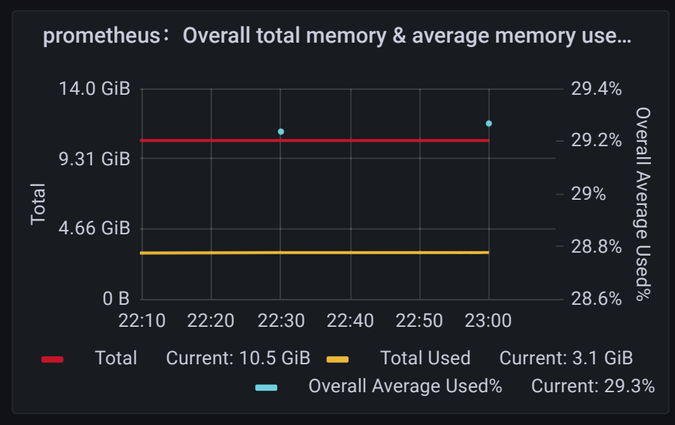
Origin_prom: None | JOB: prometheus | Host: All | Instance: k8s:9100 | NIC: All | Interval: 30s | Update | GitHub

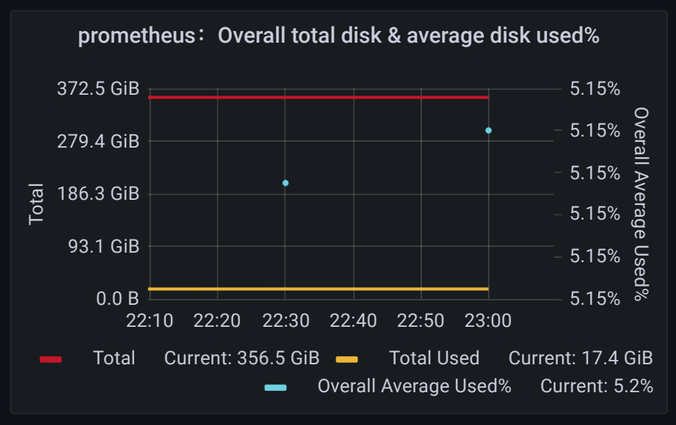
Resource Overview

All Node Overview [Job: prometheus, Total: 2]

IP(Link to details)	Hostname	Uptime	Mem	CPU	Load(5m)	CPU used%	Mem used%	Part used%	Disk read	Disk write	TCP_estab	TCP_tw	Receive	Transmit
r59:9100	r59	4.11 day	7.67 GiB	8	0.07	1.42%	50.59%	55.50%	0.00 B/s	2.73 kB/s	8	2	12.61 kb/s	15.29 kb/s
k8s:9100	k8s	1.14 week	2.84 GiB	2	1.02	26.83%	24.77%	75.85%	8.47 kB/s	39.32 kB/s	177	29	198.64 kb/s	198.64 kb/s







Resource Details: [k8s]

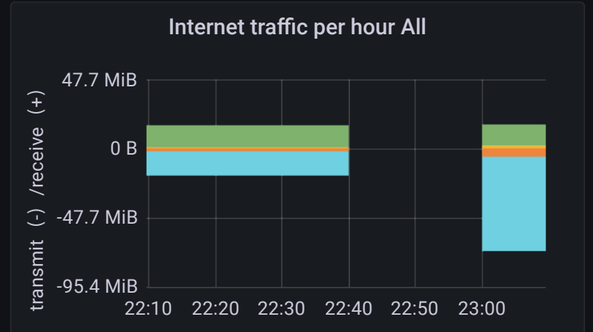
Uptime: 1 week | CPU Co...: 2 | Total R...: 3 GiB

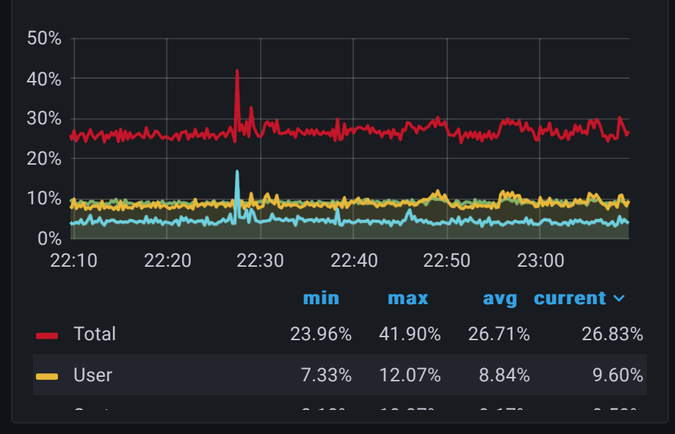
CPU Busy 25.9% | Used RAM Memory 75.5% | Used Max Mount(... 1.1% | Used SWAP N/A

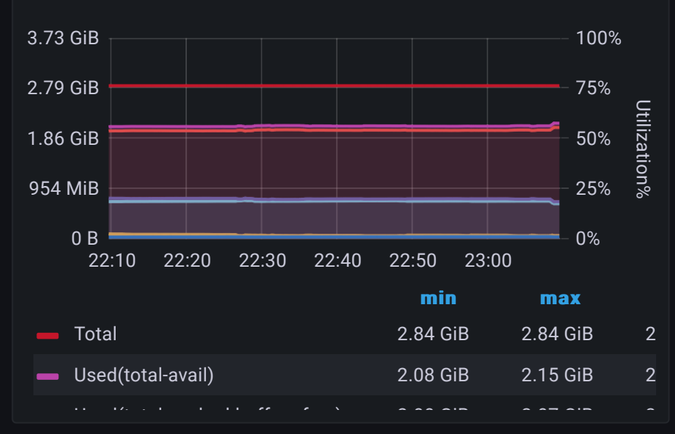
【k8s】： Disk Space Used Basic(EXT?/XFS)

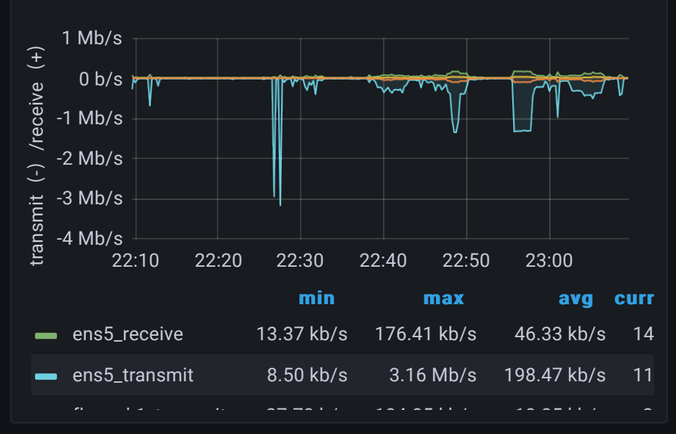
Device	Filesystem	Mounted on	Size	Avail	Used
/dev/sda2	ext4	/	10 GiB	2.2 GiB	75.9%
/dev/sda2	ext4	/tmp/snap.rootfs_Pd20Mb	10 GiB	2.2 GiB	75.9%
/dev/sdb3	ext4	/u02	113 GiB	106.3 GiB	1.0%
/dev/sda3	ext4		220	206.7	

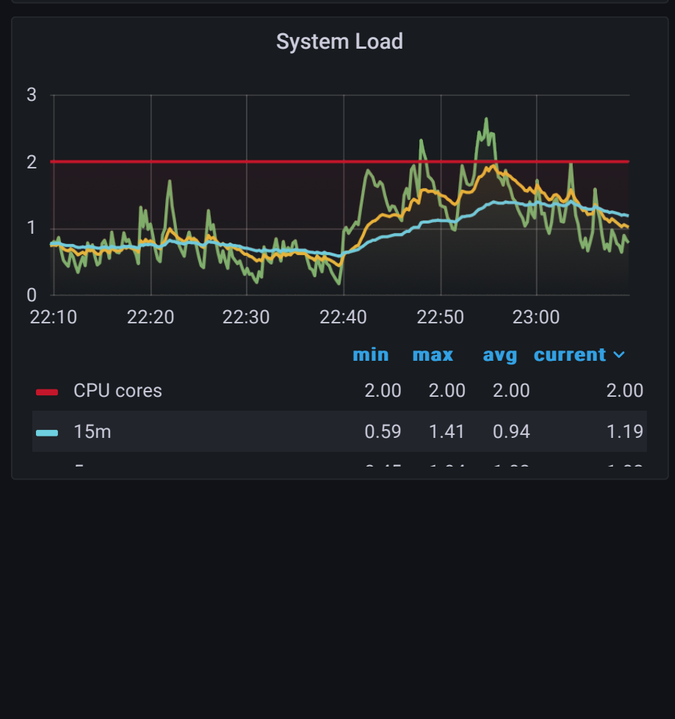
CPU io...: 4.00% | Free in...: 14.7 Mil | Total fil...: 9,223,372,036,854,776,000

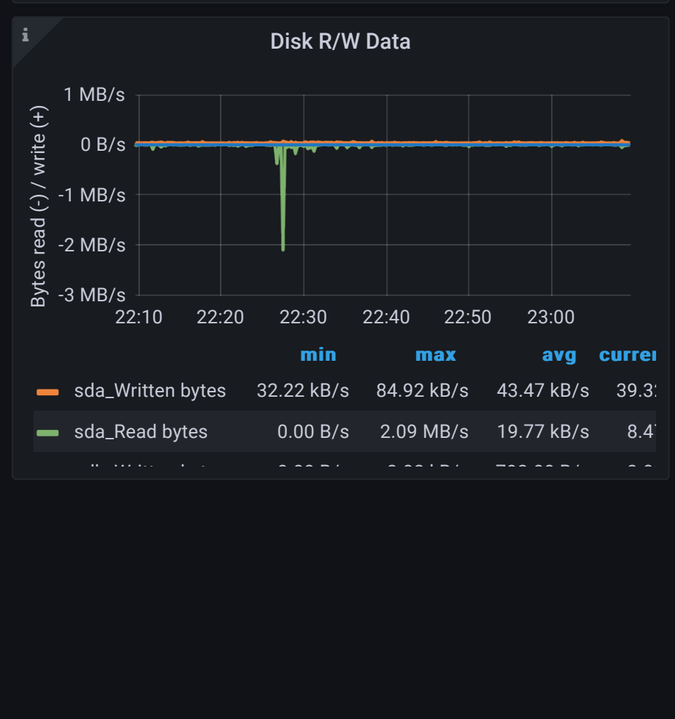


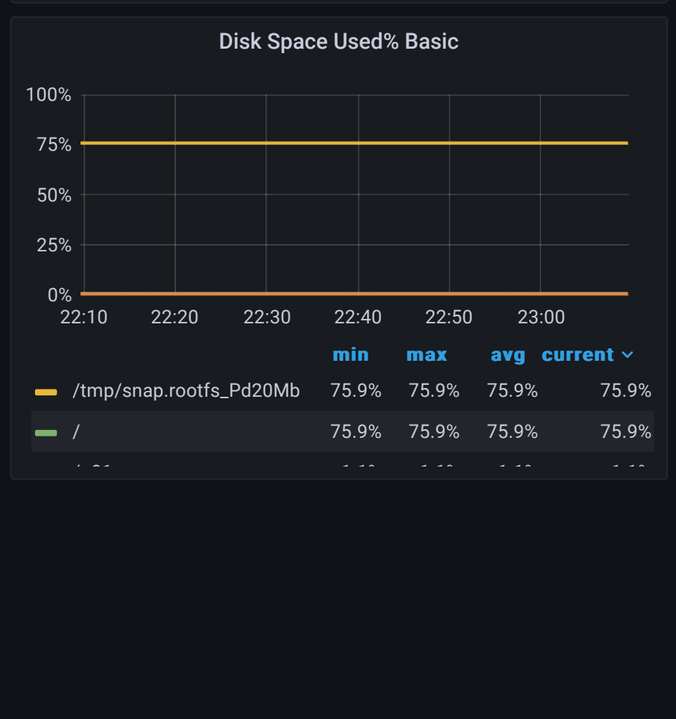












General / Host Overview

Plateform: prometheus | Node: r59 | Port: 9100

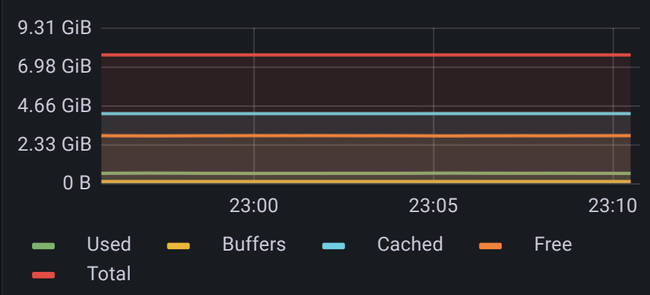
CPU Busy 1.41% | CPU System Load (1m a... 1.75% | CPU System Load (5m a... 1.13% | Used RAM Memory 13% | Filesystem Space Usage... 52.6%

Disk Space Used

Panel plugin not found: grafana-piechart-panel

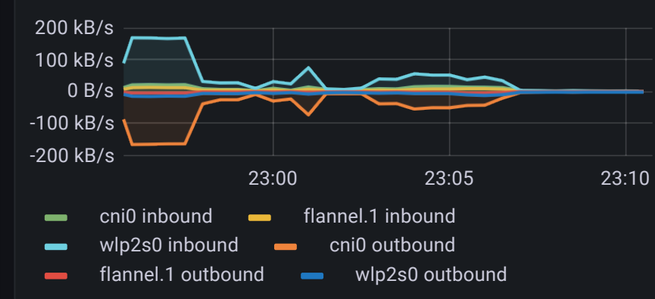
Uptime 4.1 day | CPU Co... 8 | System Load (1... 0.14 | Free RAM 2.84 GiB | Disk Free 6.99 GiB | Traffic In 425 MB | Traffic Out 405 MiB

Ram Used

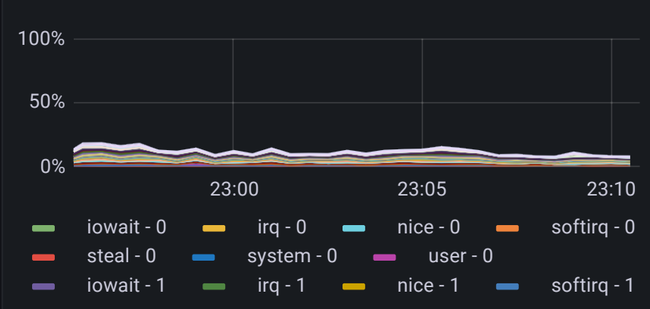


RAM Used

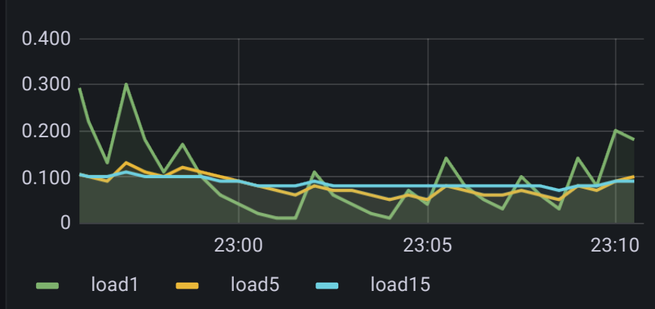
Network Usage



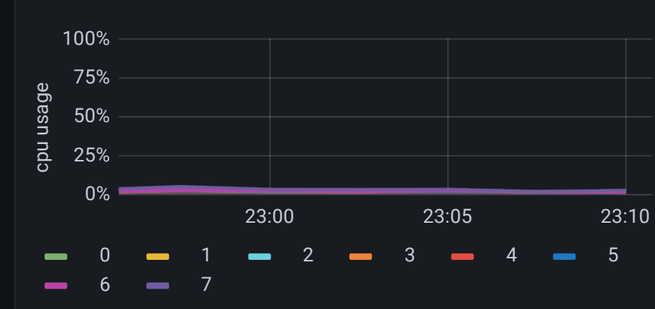
CPU Usage



Load



cpu busy %



Disk Space Used

Disk Space Available

Prometheus Alerts Graph Status Help

Targets

All Unhealthy Collapse All

Filter by endpoint or labels

prometheus (3/3 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	45m 55s ago	26.583ms	
http://k8s:9100/metrics	UP	instance="k8s:9100" job="prometheus"	46m 6s ago	1.137s	
http://r59:9100/metrics	UP	instance="r59:9100" job="prometheus"	46m 8s ago	168.029ms	

```
pod "dev-pg-postgresql-client" deleted
pod postgresql/dev-pg-postgresql-client terminated (Error)
cloudshell@k8s:~$ kubectl run dev-pg-postgresql-client --rm --tty -i --restart='Never' --namespace postgresql --image docker.io/bitnami/postgresql:15.1.0-debian-11-r20 --env="PGPASSWORD=$PO
STGRES_PASSWORD"       --command -- psql --host dev-pg-postgresql -U postgres -d postgres -p 5432
If you don't see a command prompt, try pressing enter.

psql: error: connection to server at "dev-pg-postgresql" (10.101.16.63), port 5432 failed: fe_sendauth: no password supplied
pod "dev-pg-postgresql-client" deleted
pod postgresql/dev-pg-postgresql-client terminated (Error)
cloudshell@k8s:~$ kubectl run dev-pg-postgresql-client --rm --tty -i --restart='Never' --namespace postgresql --image docker.io/bitnami/postgresql:15.1.0-debian-11-r20 --env="PGPASSWORD=$PO
STGRES_PASSWORD"       --command -- psql --host dev-pg-postgresql -U postgres -d postgres -p 5432
If you don't see a command prompt, try pressing enter.

psql (15.1)
Type "help" for help.

postgres=# du
postgres-# du ?
postgres-# \copyright
PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)

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postgres-# \db+
                                 List of tablespaces
    Name    |  Owner   | Location | Access privileges | Options |  Size   | Description
------------+----------+----------+-------------------+---------+---------+-------------
 pg_default | postgres |          |                   |         | 22 MB   |
 pg_global  | postgres |          |                   |         | 531 kB  |
(2 rows)

postgres-# \dg
                              List of roles
 Role name |                         Attributes                         | Member of
-----------+------------------------------------------------------------+-----------
 postgres  | Superuser, Create role, Create DB, Replication, Bypass RLS | {}

postgres-# CREATE TABLE  dummy(first text not null default ‘X’)
postgres-# INSERT INTO DUMMY VALUES (“”)
postgres-# SELECT * FROM DUMMY
postgres-#
```