

Screenshots from Linux terminal and Datadog

(to see the implemented process
with the detailed steps to solve
this exam, please read the
README.md file)

Aktivitäten Visual Studio Code 17. Sep 02:22

File Edit Selection View Go Run Terminal Help 🔍 user

OPEN EDITORS 1 unsaved

- ① README.md ~/Exams_2... U

SOURCE CONTROL: REPOSITORIES

SOURCE CONTROL: CHANGES

TIMELINE

PROBLEMS

OUTLINE

SEARCH

USER

- Exams_2025
- DataDog_Exam/apm-data... ●
- k8s-manifests ●

notes_app

- database
- init_.py
- app.py
- note.py
- notes_helper.py
- notes_logic.py

docker-compose.yaml

Dockerfile.calendar

Dockerfile.notes

① README.md U

requirements.txt

! values.yaml U

GitLab_Exam

Jenkins_Exam/jenkins_devops...

- cast-service
- charts
- jenkins-screenshots
- movie-service
- .gitignore
- config
- docker-compose.yml
- DockerHub-Repo.txt

① README.md ●

Exams_2025 > DataDog_Exam > apm-datadog > ① README.md > # STEPS: > ## 15. Apply Kubernetes manifests to deploy the application:

```
1 # STEPS:  
2 ## 14. Create a service manifest for the database:  
3 bash  
4 touch db-service.yaml  
5  
6 - The file content is contained in the db-service.yaml file.  
7  
8 ## 15. Apply Kubernetes manifests to deploy the application:  
9 bash  
10 kubectl apply -f .  
11  
12 - or:  
13 bash  
14 cd ..  
15 kubectl apply -f k8s-manifests/  
16  
17 ## 16. Verify if all pods have been created:  
18 bash  
19 kubectl get pods  
20  
21 ## 17. Verify if all resources have been created:  
22 bash  
23 kubectl get all  
24  
25
```

DEBUG CONSOLE OUTPUT PORTS TERMINAL

user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests\$ kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
calendar-app-69d95f8867-kzqkv	1/1	Running	0	2m17s
calendar-app-69d95f8867-swrbw	1/1	Running	0	2m17s
datadog-b7fd945fd-d4dcz	1/1	Running	1 (55s ago)	2m16s
datadog-cluster-agent-54c6bc9d78-4pstf	1/1	Running	0	4m13s
datadog-pj4q5	2/2	Running	0	4m13s
db-6d7d499644-8v5zp	1/1	Running	0	2m16s
notes-app-64fd65df79-k5zgm	1/1	Running	1 (117s ago)	2m15s
notes-app-64fd65df79-tjm5g	1/1	Running	1 (117s ago)	2m15s

user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests\$

Ln 90, Col 1 (18 selected) Spaces: 4 UTF-8 LF {} Markdown Finish Setup

Aktivitäten Visual Studio Code 17. Sep 02:25

File Edit Selection View Go Run Terminal Help 🔍 user

OPEN EDITORS 1 unsaved

- ① README.md ~/Exams_2... U

SOURCE CONTROL: REPOSITORIES

SOURCE CONTROL: CHANGES

TIMELINE

PROBLEMS

OUTLINE

SEARCH

USER

- Exams_2025
- DataDog_Exam/apm-data... ●
- k8s-manifests ●

notes_app

database

__init__.py

app.py

note.py

notes_helper.py

notes_logic.py

docker-compose.yaml

Dockerfile.calendar

Dockerfile.notes

README.md U

requirements.txt

values.yaml U

GitLab_Exam

Jenkins_Exam/jenkins_devops...

cast-service

charts

jenkins-screenshots

movie-service

.gitignore

config

docker-compose.yml

DockerHub-Repo.txt

① README.md U ●

Exams_2025 > DataDog_Exam > apm-datadog > ① README.md > ② # STEPS: > ③ ## 15. Apply Kubernetes manifests to deploy the application:

```
1 # STEPS:  
2 ## 14. Create a service manifest for the database:  
3 bash  
4 touch db-service.yaml  
5  
6 - The file content is contained in the db-service.yaml file.  
7  
8 ## 15. Apply Kubernetes manifests to deploy the application:  
9 bash  
10 kubectl apply -f .  
11  
12 - or:  
13 bash  
14 cd ..  
15 kubectl apply -f k8s-manifests/  
16  
17 ## 16. Verify if all pods have been created:  
18 bash  
19 kubectl get pods  
20  
21 ## 17. Verify if all resources have been created:  
22 bash  
23 kubectl get all  
24  
25
```

DEBUG CONSOLE OUTPUT PORTS TERMINAL

user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests\$ kubectl get services

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
calendar-app	ClusterIP	10.107.7.70	<none>	9090/TCP	5m14s
datadog	ClusterIP	10.106.178.197	<none>	8125/UDP,8126/TCP	7m11s
datadog-cluster-agent	ClusterIP	10.106.244.10	<none>	5005/TCP	7m11s
datadog-cluster-agent-admission-controller	ClusterIP	10.106.174.237	<none>	443/TCP	7m11s
db	ClusterIP	10.109.26.64	<none>	5432/TCP	5m13s
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	60d
notes-app	ClusterIP	10.106.25.13	<none>	8080/TCP	5m12s

user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests\$

Ln 90, Col 1 (18 selected) Spaces: 4 UTF-8 LF {} Markdown Finish Setup

Aktivitäten Visual Studio Code 17. Sep 02:27

File Edit Selection View Go Run Terminal Help

OPEN EDITORS 1 unsaved

- ① README.md ~/Exams_2... U

SOURCE CONTROL: REPOSITORIES

SOURCE CONTROL: CHANGES

TIMELINE

PROBLEMS

OUTLINE

SEARCH

USER

- Exams_2025
- DataDog_Exam/apm-data... ●
- k8s-manifests ●
- notes_app
- database
- __init__.py
- app.py
- note.py
- notes_helper.py
- notes_logic.py
- docker-compose.yaml
- Dockerfile.calendar
- Dockerfile.notes
- ① README.md U
- requirements.txt
- values.yaml U

GitLab_Exam

Jenkins_Exam/jenkins_devops...

- cast-service
- charts
- jenkins-screenshots
- movie-service
- .gitignore
- config
- docker-compose.yml
- DockerHub-Repo.txt

① README.md U ●

Exams_2025 > DataDog_Exam > apm-datatag > ① README.md > # STEPS: > ## 15. Apply Kubernetes manifests to deploy the application:

```

1  # STEPS:
2  ## 14. Create a service manifest for the database:
3  ````bash
4  touch db-service.yaml
5  ``
6  - The file content is contained in the db-service.yaml file.
7
8  ## 15. Apply Kubernetes manifests to deploy the application:
9  ````bash
10 kubectl apply -f .
11 ``
12 - or:
13 ````bash
14 cd ..
15 kubectl apply -f k8s-manifests/
16 ``
17
18 ## 16. Verify if all pods have been created:
19 ````bash
20 kubectl get pods
21 ``
22
23 ## 17. Verify if all resources have been created:
24 ````bash
25 kubectl get all
26 ````
```

DEBUG CONSOLE OUTPUT PORTS TERMINAL

bash - k8s-manifests + v □ 🗑 ... | [] ×

```

● user@debian:~/Exams_2025/DataDog_Exam/apm-datatag/k8s-manifests$ kubectl get pvc
NAME           CAPACITY   ACCESS MODES  RECLAIM POLICY  STATUS   CLAIM          STORAGECLASS  VOLUMEATTRIBUTESCLASS  REASON  AGE
pvc-40666752-36d6-4a36-b601-2daabcc8f460  100Mi      ROX        Delete        Bound   default/datadog-claim0 standard  <unset>          6m3s
pvc-40faedeb-87ef-4fb9-b338-ba0d83e41755  100Mi      ROX        Delete        Bound   default/datadog-claim2 standard  <unset>          6m3s
pvc-8869e323-a144-4c33-b607-a77f6e3e1759  100Mi      ROX        Delete        Bound   default/datadog-claim1 standard  <unset>          6m3s
● user@debian:~/Exams_2025/DataDog_Exam/apm-datatag/k8s-manifests$ kubectl get pvc
NAME           STATUS    VOLUME          CAPACITY   ACCESS MODES  STORAGECLASS  VOLUMEATTRIBUTESCLASS  AGE
datadog-claim0  Bound    pvc-40666752-36d6-4a36-b601-2daabcc8f460  100Mi      ROX        standard  <unset>          6m13s
datadog-claim1  Bound    pvc-8869e323-a144-4c33-b607-a77f6e3e1759  100Mi      ROX        standard  <unset>          6m13s
datadog-claim2  Bound    pvc-40faedeb-87ef-4fb9-b338-ba0d83e41755  100Mi      ROX        standard  <unset>          6m13s
○ user@debian:~/Exams_2025/DataDog_Exam/apm-datatag/k8s-manifests$ 
```

Ln 90, Col 1 (18 selected) Spaces: 4 UTF-8 LF {} Markdown Finish Setup

Aktivitäten Visual Studio Code 17. Sep 02:23

File Edit Selection View Go Run Terminal Help

OPEN EDITORS 1 unsaved

- README.md ~/Exams_2...

SOURCE CONTROL: REPOSITORIES

SOURCE CONTROL: CHANGES

TIMELINE

PROBLEMS

OUTLINE

SEARCH

USER

- Exams_2025
- DataDog_Exam / apm-data...
- k8s-manifests

notes_app

- database
- __init__.py
- app.py
- note.py
- notes_helper.py
- notes_logic.py

docker-compose.yaml

Dockerfile.calendar

Dockerfile.notes

README.md

requirements.txt

values.yaml

GitLab_Exam

Jenkins_Exam/jenkins_devops...

cast-service

charts

jenkins-screenshots

movie-service

.gitignore

config

docker-compose.yml

DockerHub-Repo.txt

DEBUG CONSOLE OUTPUT PORTS TERMINAL user bash - k8s-manifests

```
notes-app-64fd65df79-k5zgm      1/1    Running   1 (117s ago)  2m15s
notes-app-64fd65df79-tjm5g      1/1    Running   1 (117s ago)  2m15s
● user@debian:~/Exams_2025/Datadog_Exam/apm-datadog/k8s-manifests$ kubectl get all
NAME                           READY   STATUS    RESTARTS   AGE
pod/calendar-app-69d95f8867-kzqkv   1/1    Running   0          3m33s
pod/calendar-app-69d95f8867-swrbw   1/1    Running   0          3m33s
pod/datadog-b7fd945fd-d4dcz       1/1    Running   2 (52s ago)  3m32s
pod/datadog-cluster-agent-54c6bc9d78-4pstf  1/1    Running   0          5m29s
pod/datadog-pj4q5                 2/2    Running   0          5m29s
pod/db-6d7d499644-8v5zp          1/1    Running   0          3m32s
pod/notes-app-64fd65df79-k5zgm    1/1    Running   1 (3m13s ago)  3m31s
pod/notes-app-64fd65df79-tjm5g    1/1    Running   1 (3m13s ago)  3m31s

NAME                         TYPE        CLUSTER-IP      EXTERNAL-IP    PORT(S)        AGE
service/calendar-app           ClusterIP   10.107.7.70    <none>        9090/TCP     3m33s
service/datadog                ClusterIP   10.106.178.197 <none>        8125/UDP,8126/TCP  5m30s
service/datadog-cluster-agent  ClusterIP   10.106.244.10   <none>        5005/TCP     5m30s
service/datadog-cluster-agent-admission-controller  ClusterIP   10.106.174.237 <none>        443/TCP      5m30s
service/db                      ClusterIP   10.109.26.64   <none>        5432/TCP     3m32s
service/kubernetes             ClusterIP   10.96.0.1      <none>        443/TCP      60d
service/notes-app               ClusterIP   10.106.25.13   <none>        8080/TCP     3m31s

NAME            DESIRED  CURRENT  READY  UP-TO-DATE  AVAILABLE  NODE SELECTOR        AGE
daemonset.apps/datadog  1        1        1      1           1          kubernetes.io/os=linux  5m30s

NAME                           READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/calendar-app  2/2    2           2          3m33s
deployment.apps/datadog        1/1    1           1          3m32s
deployment.apps/datadog-cluster-agent  1/1    1           1          5m30s
deployment.apps/db              1/1    1           1          3m32s
deployment.apps/notes-app      2/2    2           2          3m31s

NAME            DESIRED  CURRENT  READY   AGE
replicaset.apps/calendar-app  2        2        2   3m33s
replicaset.apps/datadog-b7fd945fd  1        1        1   3m32s
replicaset.apps/datadog-cluster-agent-54c6bc9d78  1        1        1   5m30s
replicaset.apps/db-6d7d499644  1        1        1   3m32s
replicaset.apps/notes-app-64fd65df79  2        2        2   3m31s
● user@debian:~/Exams_2025/Datadog_Exam/apm-datadog/k8s-manifests$
```

Ln 90, Col 1 (18 selected) Spaces: 4 UTF-8 LF {} Markdown Finish Setup

Aktivitäten Visual Studio Code 17. Sep 02:28

File Edit Selection View Go Run Terminal Help 🔍 user

OPEN EDITORS 1 unsaved

- ① README.md ~/Exams_2... U

SOURCE CONTROL: REPOSITORIES

SOURCE CONTROL: CHANGES

TIMELINE

PROBLEMS

OUTLINE

SEARCH

USER

- Exams_2025
- DataDog_Exam/apm-data... ●
- k8s-manifests ●

notes_app

- database
- __init__.py
- app.py
- note.py
- notes_helper.py
- notes_logic.py

docker-compose.yaml

Dockerfile.calendar

Dockerfile.notes

① README.md U

requirements.txt

! values.yaml U

GitLab_Exam

Jenkins_Exam/jenkins_devops...

- cast-service
- charts
- jenkins-screenshots
- movie-service
- .gitignore
- config
- docker-compose.yml
- DockerHub-Repo.txt

① README.md ●

Exams_2025 > DataDog_Exam > apm-datadog > ① README.md > # STEPS: > ## 15. Apply Kubernetes manifests to deploy the application:

```
1 # STEPS:  
2 ## 14. Create a service manifest for the database:  
3 bash  
4 touch db-service.yaml  
5  
6 - The file content is contained in the db-service.yaml file.  
7  
8 ## 15. Apply Kubernetes manifests to deploy the application:  
9 bash  
10 kubectl apply -f .  
11  
12 - or:  
13 bash  
14 cd ..  
15 kubectl apply -f k8s-manifests/  
16  
17 ## 16. Verify if all pods have been created:  
18 bash  
19 kubectl get pods  
20  
21 ## 17. Verify if all resources have been created:  
22 bash  
23 kubectl get all  
24
```

DEBUG CONSOLE OUTPUT PORTS TERMINAL

bash - k8s-manifests + v 🌐 ... | [] ×

```
● user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests$ kubectl get pods  
NAME READY STATUS RESTARTS AGE  
calendar-app-69d95f8867-kzqkv 1/1 Running 0 9m5s  
calendar-app-69d95f8867-swrbw 1/1 Running 0 9m5s  
datadog-b7fd945fd-d4dcz 0/1 Completed 4 (2m49s ago) 9m4s  
datadog-cluster-agent-54c6bc9d78-4pstf 1/1 Running 0 11m  
datadog-pj4q5 2/2 Running 0 11m  
db-6d7d499644-8v5zp 1/1 Running 0 9m4s  
notes-app-64fd65df79-k5zgm 1/1 Running 1 (8m45s ago) 9m3s  
notes-app-64fd65df79-tjm5g 1/1 Running 1 (8m45s ago) 9m3s  
● user@debian:~/Exams_2025/DataDog_Exam/apm-datadog/k8s-manifests$
```

Ln 90, Col 1 (18 selected) Spaces: 4 UTF-8 LF {} Markdown Finish Setup

Kubernetes Cluster Overview Dashbo... ▾

Filter by: scope * cluster *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Cluster Health Overview

The Datadog Kubernetes dashboard gives you broad visibility into the scale, status, and resource usage of your cluster and its containers.

Further reading for Kubernetes monitoring

- Autoscale Kubernetes workloads with any Datadog metric
- How to monitor Kubernetes + Docker with Datadog

CPU Usage

Cluster CPU Capacity

0 1 2

02:10 02:15 02:20 02:25 02:30 02:35

capacity allocatable

Memory Usage

Cluster Memory Capacity

0G 2G 4G

02:10 02:15 02:20 02:25 02:30 02:35

capacity allocatable

Pod Utilization

Cluster Pod Utilization

0 100

Suchen

02:35 17.09.2025

3

Kubernetes Cluster Overview Dashbo... ▾

Filter by: scope * cluster *

Share Anomalies Show Overlays Configure Clone

UTC+02:00
30m Past 30 Minutes

The Datadog Kubernetes dashboard gives you broad visibility into the scale, status, and resource usage of your cluster and its containers.

Further reading for Kubernetes monitoring

- Autoscale Kubernetes workloads with any Datadog metric
- How to monitor Kubernetes + Docker with Datadog
- Monitoring in the Kubernetes era
- Monitoring Kubernetes performance metrics
- Collecting metrics with built-in Kubernetes

More ▾

Memory Usage

0.00%

Cluster Memory Capacity

capacity allocatable

Pod Utilization

0.00%

Cluster Pod Utilization

capacity allocatable

Suchen

02:36
17.09.2025

3

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Resource Overview

Clusters	Namespaces	Services	StatefulSets	Pods	Kubelets up
(No data)	(No data)	11	(No data)	(No data)	No value reported for service check uberernetes.kubelet.check
Nodes	DaemonSets	Deployments	Jobs	Containers	Kubelet Ping
1	2	7	2	(No data)	value reported for serv check erernetes.kubelet.check.p
CRDs					

Suchen

02:37 17.09.2025

Kubernetes Cluster Overview Dashboard

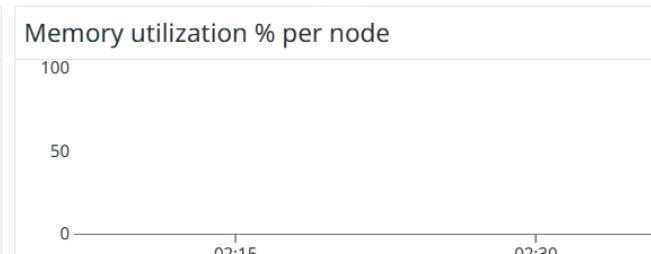
Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Nodes

Nodes	Nodes not ready	Nodes not in Ready condition	Nodes not in Ready ...	View more in the Kubernetes Nodes Overview Dashboard
1	(No data)		No Data	

Kubelets up	Kubelet Ping	CPU % utilization per node	Memory utilization % per node
10m	10m		

Total CPU	Total memory	Sum Kubernetes CPU requests per node	Sum Kubernetes memory requests per node

Suchen

02:37
17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Total CPU: 2 Total memory: 4G

Sum Kubernetes CPU requests per node

Sum Kubernetes memory requests per node

Deployments

Deployments	Available	Updated	Outdated	Replicas compared to...
7	8	9	0	minikube, default, dat...

View more in the [Kubernetes Deployments Overview Dashboard](#)

Suchen

02:37 17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

View more in the [Kubernetes Deployments Overview Dashboard](#)

Deployments	Available	Updated	Outdated	Replicas compared to...
7	8	9	0	minikube, ingress-nginx... minikube, default, not... minikube, default, cal... minikube, kube-syste... minikube, default, dat...

Desired	Pods desired	Unavailable	Pods unavailable
9		1	

Replicas	Replicas available	Desired Not Available	Desired Not Available
9		1	

Suchen

02:38 17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

DaemonSets

DaemonSets	DaemonSets	Scheduled	Misscheduled
2	2	2	0

View more in the [Kubernetes Daemonset Overview Dashboard](#)

Ready	Replicas Ready	Desired	Replicas desired
2	2	2	2

Suchen

02:38 17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Jobs

Jobs	Number of distinct Jobs	Succeeded Job Pods	Number of succeeded Job pods
2	Number of distinct Jobs 2	156	Number of succeeded Job pods 2

Failed Pods	Number of failed Job Pods	Cronjobs by Job Count
0	Number of failed Job Pods 0	Cronjobs by Job Count 150 100 50 0

Suchen

02:38 17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Replicaset Metrics

Active ReplicaSets	Replicas	Desired	Inactive ReplicaSets
7	9	9	0

View more in the [Kubernetes Replicaset Overview Dashboard](#)

Ready	Replicas Not Ready	Replicas Not Ready	Replicas Changes
8	1	1	Invalid Formula in Query Object Formulas must be defined in the 'formulas' field

Suchen

02:38 17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Running pods per namespace

150
100
50
0

02:15 02:30

Pods running by namespace

No Data

CrashloopBackOff by...

1
0 y = 0

View more in the [Kubernetes Pods Overview Dashboard](#)

Pods in ready state by node

15 minikube, minikube-minikube, N/A

Pods in bad phase by namespaces

6 N/A, default, pending

Running pods per node

150
100
50
0

02:15 02:30

Suchen

02:38 17.09.2025

Kubernetes Cluster Overview Dashboard

Services

11 Services

Service types per cluster

Pods running by Service

View more in the [Kubernetes Services Overview Dashboard](#)

Containers

Containers States

Container Restarts by Pod

Suchen

02:39
17.09.2025

Kubernetes Cluster Overview Dashboard

Filter by: scope cluster

Share Anomalies Show Overlays Configure Clone

UTC+02:00 30m Past 30 Minutes

Containers

Containers States

02:10 02:15 02:20 02:25 02:30 02:35

ready running terminated waiting

Container Restarts by Pod

02:10 02:15 02:20 02:25 02:30 02:35

Containers in CrashLoopBackOff (by Pod)

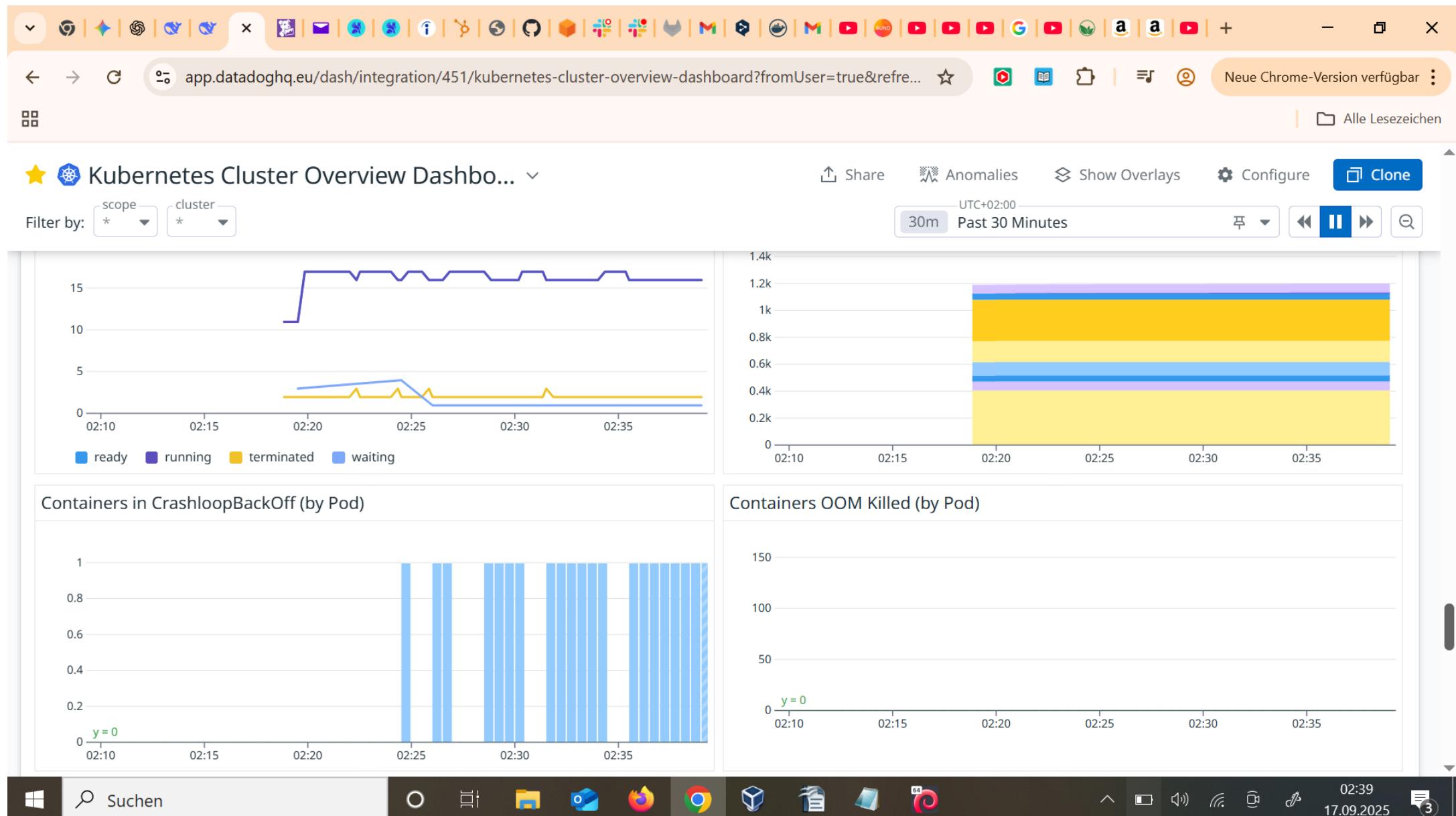
02:10 02:15 02:20 02:25 02:30 02:35

Containers OOM Killed (by Pod)

02:10 02:15 02:20 02:25 02:30 02:35

Suchen

02:39 17.09.2025



Screenshot of a Chrome browser window displaying the Kubernetes Cluster Overview Dashboard on the Datadog platform.

The dashboard title is "Kubernetes Cluster Overview Dashbo...".

Filter settings: "scope" and "cluster" dropdowns set to "*".

Time range: UTC+02:00, 30m, Past 30 Minutes.

Actions: Share, Anomalies, Show Overlays, Configure, Clone.

Section 1: "Events" chart titled "Number of Kubernetes events per node". The chart shows a sharp increase in event count starting around 21:00 on Wednesday, Sep 17, peaking at approximately 29 events. A legend indicates the bars are blue and orange.

Time	Event Count
03:00	0
06:00	0
09:00	0
12:00	0
15:00	0
18:00	0
21:00	0
Wed 17	~29
22:00	~15

Section 2: "Events that match 'source:kubernetes * kube_cluster_name:*'".

SOURCE	TITLE	DATE
	Events from the Pod ingress-nginx/ingress-nginx-controller-768f948f8f-2fm8r	host:minikube-minikube name:ingress-nginx-co... +12 Sep 17, 2:30 am

System tray icons: Search, File, Folder, Firefox, Chrome, Microsoft Edge, OneDrive, Task View, Power, Volume, Network, Battery, Date/Time (02:39, 17.09.2025), Notifications (3).

Screenshot of a web browser displaying a Kubernetes Cluster Overview Dashboard from Datadog.

The dashboard title is "Kubernetes Cluster Overview Dashbo...".

Filter settings: "Events that match 'source:kubernetes * kube_cluster_name:*'".

Time range: UTC+02:00, 30m (Past 30 Minutes).

SOURCE	TITLE	DATE
Events from the Pod ingress-nginx/ingress-nginx-controller-768f948f8f-2fm8r	host:minikube-minikube name:ingress-nginx-co... +12	Sep 17, 2:30 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:29 am
Events from the Pod ingress-nginx/ingress-nginx-controller-768f948f8f-2fm8r	host:minikube-minikube name:ingress-nginx-co... +12	Sep 17, 2:26 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:26 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:26 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:26 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:24 am
Events from the Pod default/datadog-b7fd945fd-d4dcz	host:minikube-minikube pod_name:datadog-b7... +12	Sep 17, 2:24 am

System tray icons include: Search, File, Folder, Firefox, Chrome, Microsoft Edge, OneDrive, Task View, Volume, Battery, and Date/Time (02:40, 17.09.2025).

Kubernetes - CPU & Memory usage

Filter by: scope: *, env: *, kube_cluster_name: *, kube_namespace: *, kube_deployment: *, kube_daemon_set: *, kube_stateful_set: *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

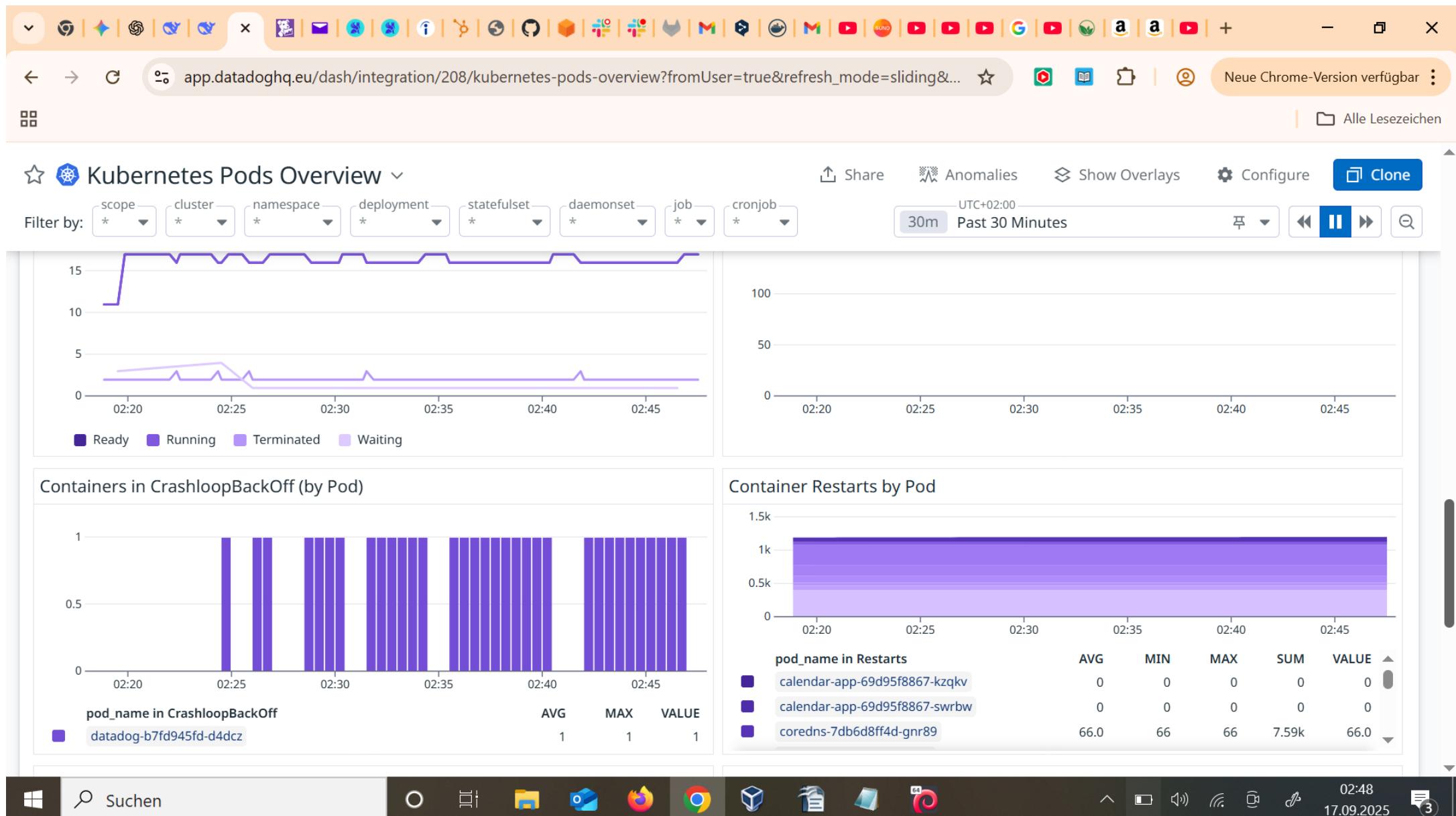
CPU and memory utilization per cluster

KUBE_CLUSTER_NAME	ENV	REQUESTS	LIMITS	USAGE	NUM CORES	CPU IDLE	CPU SYSTEM	CPU USER
minikube	N/A	—	—	—	2	47.9 %	19.7 %	30.8 %

Memory by cluster

KUBE_CLUSTER_NAME	ENV	REQUESTS	LIMITS	USAGE	TOTAL	FREE	USED
N/A	N/A	—	—	—	3.70 GiB	111 MiB	3.59 GiB
minikube	N/A	—	—	—	3.70 GiB	151 MiB	3.55 GiB

Suchen 02:45 17.09.2025 3



Kubernetes Nodes Overview

Filter by: cluster * host * scope * node *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

Number of nodes: 1

Total CPU: 2

Memory utilization % per node:

Percent

Nodes not ready: (No data)

Total memory: 4G

CPU % utilization per node:

Percent

Kubelets up: 10m

Kubelet Ping: 10m

Ready: 1

Not Ready: 0

No value reported for service check

value reported for service check

Suchen

02:48 17.09.2025

Kubernetes Nodes Overview

Filter by: cluster * host * scope * node *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

Nodes Utilization

CPU utilization per node

Memory utilization per node

CPU usage per node

Memory usage per node

CPU requests per node

Memory requests per node

Suchen

02:49
17.09.2025

Kubernetes Deployments Overview

Filter by: scope: *, kube_cluster_name: *, kube_namespace: *, kube_deployment: *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

Overview

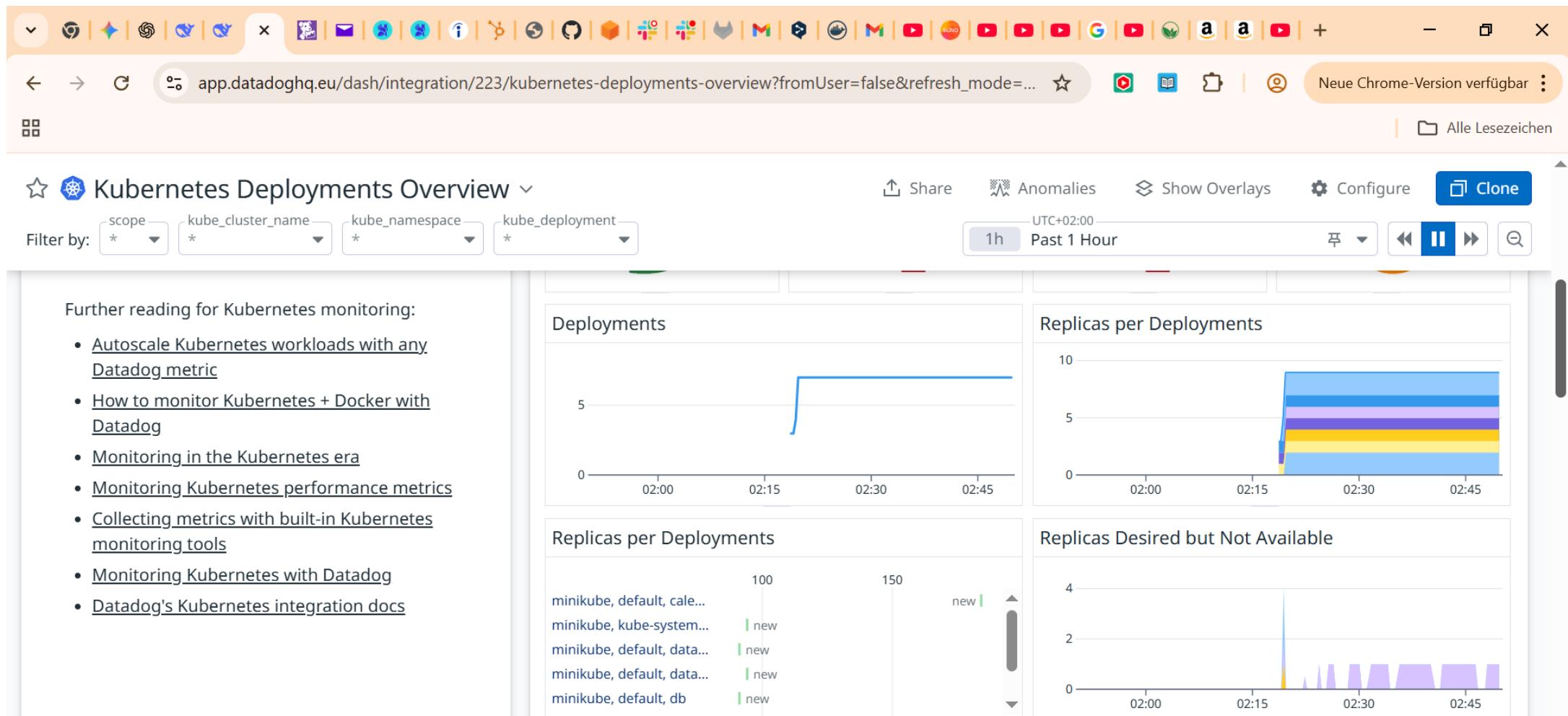
Deployments	Replicas	Desired	Available
7	9	9	8
Updated	Unavailable	Desired Not Available	Outdated
9	1	1	0

Our Kubernetes Deployments dashboard gives you broad visibility into the scale, status, and resource usage of your deployment workloads.

Further reading for Kubernetes monitoring:

Suchen

02:50 17.09.2025



Replicas by Deployment



Kubernetes Deployments Overview

Filter by: scope * kube_cluster_name * kube_namespace * kube_deployment *

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

Replicas by Deployment

Replicas Desired

Replicas Available

Replicas Updated

Replicas Unavailable

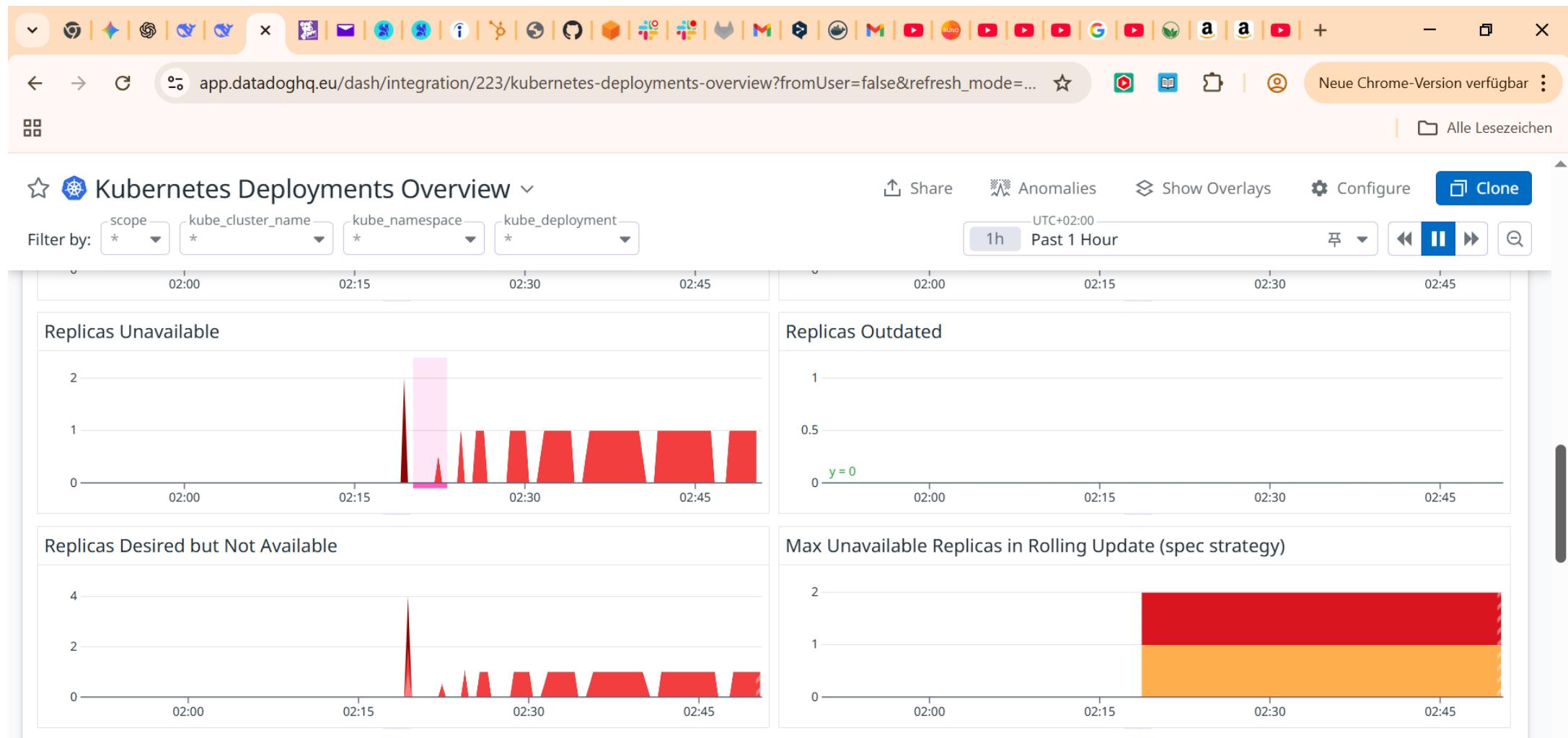
Replicas Outdated

Suchen

02:50 17.09.2025

The dashboard displays six stacked area charts representing different states of Kubernetes deployments over a one-hour period from 02:00 to 03:00 UTC+02:00. The charts are stacked vertically, with the bottom-most chart being light blue and the top-most being dark blue.

- Replicas:** Shows a step increase from approximately 2 to 8 units around 02:15 UTC+02:00.
- Desired:** Shows a step increase from approximately 2 to 8 units around 02:15 UTC+02:00.
- Available:** Shows a step increase from approximately 2 to 8 units around 02:15 UTC+02:00, with some minor fluctuations between 02:30 and 02:45 UTC+02:00.
- Updated:** Shows a step increase from approximately 2 to 8 units around 02:15 UTC+02:00.
- Unavailable:** Shows a low, stable value of approximately 2 units throughout the entire period.
- Outdated:** Shows a low, stable value of approximately 2 units throughout the entire period.



CPU Resources

Memory Resources

A screenshot of a web browser displaying the Datadog APM Agent (Trace Agent) dashboard. The URL in the address bar is app.datadoghq.eu/dash/integration/816/apm-datadog-agent-trace-agent?fromUser=false&refresh_mode=sl.... The dashboard shows performance metrics for the APM Datadog Agent.

APM Datadog Agent (Trace Agent)

Filter by: host: *, env: *, version: *, kube_cluster_name: *

Share | Anomalies | Show Overlays | Configure | Clone

UTC+02:00 | 1h | Past 1 Hour | Refresh

Overview

Total Traces	Total Spans
8	11
0.074	0.21

Total Events	Total Stats
0	5
0	0.071

APM Datadog Agent

Track the Datadog Agent's APM usage and performance, and troubleshoot issues. You can use this dashboard to monitor your APM infrastructure, and understand your trace load.

Further reading:

- [Datadog Agent](#)
- [Configuring the Datadog Agent for APM](#)

Suchen | Windows Taskbar icons | 03:04 17.09.2025 | 3 notifications

A screenshot of a web browser displaying a Datadog APM Agent (Trace Agent) dashboard. The URL in the address bar is app.datadoghq.eu/dash/integration/816/apm-datadog-agent-trace-agent?fromUser=false&refresh_mode=sl.... The dashboard is titled "APM Datadog Agent (Trace Agent)" and includes sections for Configuration and Performance.

Configuration

- Agent Version:** A histogram showing agent version distribution over time. The x-axis shows hours from 02:30 to 03:00. The y-axis ranges from 0 to 2. The distribution is bimodal, with peaks at version 1.0 around 02:30 and version 2.0 around 03:00.
- Top Agent Versions:** A donut chart indicating the current version of the agent. The value shown is 1.3.
- Bytes Received/s Per Lang:** A histogram showing bytes received per second per language. The x-axis shows hours from 02:30 to 03:00. The y-axis ranges from 0 to 0.4. A single data point is visible near 0.35.
- Top Languages+Ver...**: A donut chart showing the top languages and their versions. Only one segment is visible.

Performance

- Max Heap Allocations:** A line chart showing maximum heap allocations over time. The y-axis ranges from 0 to 20M. The chart shows a fluctuating trend between 10M and 20M.
- Max CPU Usage (percent):** A line chart showing maximum CPU usage over time. The y-axis ranges from 0 to 1. The chart shows several sharp spikes reaching up to 1.0%.
- Max Heap Allocations by Host:** A table showing maximum heap allocations for different hosts. The table includes:

HOST	MAX:DATADOG TRACE_AGENT...
minikube	21.4M
- Max CPU Usage (percent) by Host:** A table showing maximum CPU usage for different hosts. The table includes:

HOST	MAX:DATADOG TRACE_AGENT...
minikube	1.00

Bottom Navigation Bar: Includes icons for Windows Start, Search, Task View, File Explorer, Firefox, Chrome, Edge, OneDrive, and a pinned icon for the dashboard. The system tray shows the date and time as 03:05 17.09.2025, along with battery level and signal strength.

APM Datadog Agent (Trace Agent)

Filter by: host env version kube_cluster_name

Share Anomalies Show Overlays Configure Clone

Traffic Received

The service dimension is available in these widgets for Agent v7.53.0+

Traces/s

Bytes/s

Spans/s

Payloads/s

Traffic Sent

Traces/s

Bytes/s

Spans/s

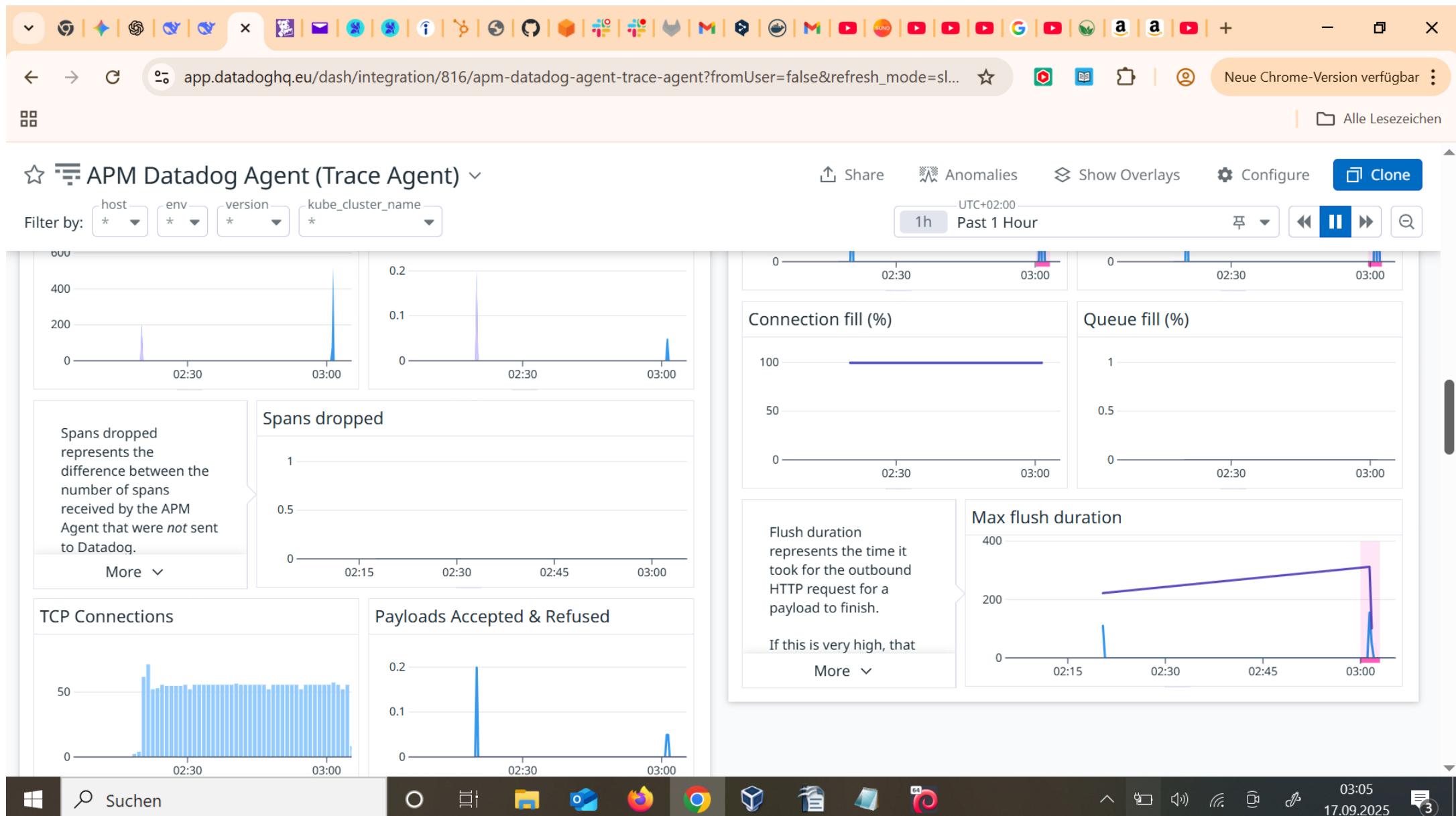
Payloads/s

Connection fill (%)

Queue fill (%)

Suchen

03:05
17.09.2025



APM Datadog Agent (Trace Agent)

Filter by: host env version kube_cluster_name

Share Anomalies Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

Alle Lesezeichen

Stats

Payloads/s

Bytes/s

Entries/s

Total Stats Buckets

Sampling

The effective sampling rate is calculated by taking the number of traces written to Datadog and dividing it by the total number of traces received.

Effective Sampling Rate %

Trace Sampling Priorities

Evaluation Details

Evaluate the **average** Of the query over the **last 5 minutes** [Add Custom Schedule NEW](#) [?](#)

3 ▾ Set alert conditions

Trigger when the evaluated value is **above** the threshold

Alert threshold: > **60**

Warning threshold: > **50**

If data is missing for **5 minutes** [Show last known status](#)

> Advanced options

4 ▾ Configure notifications & automations

⚠ Complete step 4 [Test Notifications](#) [Export Monitor](#) [Create](#)

Suchen

03:24
17.09.2025

app.datadoghq.eu/monitors/89371635/edit

An alert is triggered whenever a metric crosses a threshold.

2 Define the metric

Source Edit

a system.mem.used from cluster_name:minikube* X avg by (everything) Σ Modify

b system.mem.total from cluster_name:minikube* X avg by (everything) Σ Modify

→ a + b Σ Modify

+ Add Query + Add Formula

Evaluation Details

Evaluate the average Of the query over the last 5 minutes

Delete Suggested Improvements Cancel Test Notifications Export Monitor Save

Suchen 08:27 17.09.2025

app.datadoghq.eu/monitors/settings/notifications/create

Welcome, Sam! Get Started ▾ You have 14 days left in your trial. Upgrade

Monitors > Settings > New Monitor Notification Rule

1 Match notifications with specific tags

Only monitor notifications matching all tags will trigger this rule.

Tag key * Value *

monitor_pack host

+ Add tag

2 Choose recipients

Recipients *

jouinis_1984@yahoo.de

Cancel Create Rule

7 matching monitors

When a monitor notification matches all the tags, this rule will automatically send notifications to its recipients.

- Network traffic (received) is high on host {{host.name}}
- CPU usage is high for host {{host.name}}
- Network traffic (sent) is high on host {{host.name}}
- Disk usage is high for host {{host.name}}
- Memory space is low for host {{host.name}}
- Disk latency is high for host {{host.name}}
- System load is high for host {{host.name}}

Copyright Datadog, Inc. 2025 - 35.76694209 - [Master Subscription Agreement](#) - [Privacy Policy](#) - [Cookie Policy](#) - [Datadog Status](#) → All Systems Operational

Suchen 08:28 17.09.2025

app.datadoghq.eu/monitors/89371635/edit

An alert is triggered whenever a metric crosses a threshold.

2 Define the metric

Source Edit

a system.mem.used from cluster_name:minikube* X avg by (everything) Σ Modify

b system.mem.total from cluster_name:minikube* X avg by (everything) Σ Modify

→ a + b Σ Modify

+ Add Query + Add Formula

Evaluation Details

Evaluate the average Of the query over the last 5 minutes

Delete Suggested Improvements Cancel Test Notifications Export Monitor Save

Suchen 08:27 17.09.2025

app.datadoghq.eu/monitors/settings/notifications/create

Welcome, Sam! Get Started ▾ You have 14 days left in your trial. Upgrade

Monitors > Settings > New Monitor Notification Rule

1 Match notifications with specific tags

Only monitor notifications matching all tags will trigger this rule.

Tag key * Value *

monitor_pack host

+ Add tag

2 Choose recipients

Recipients *

jouinis_1984@yahoo.de

Cancel Create Rule

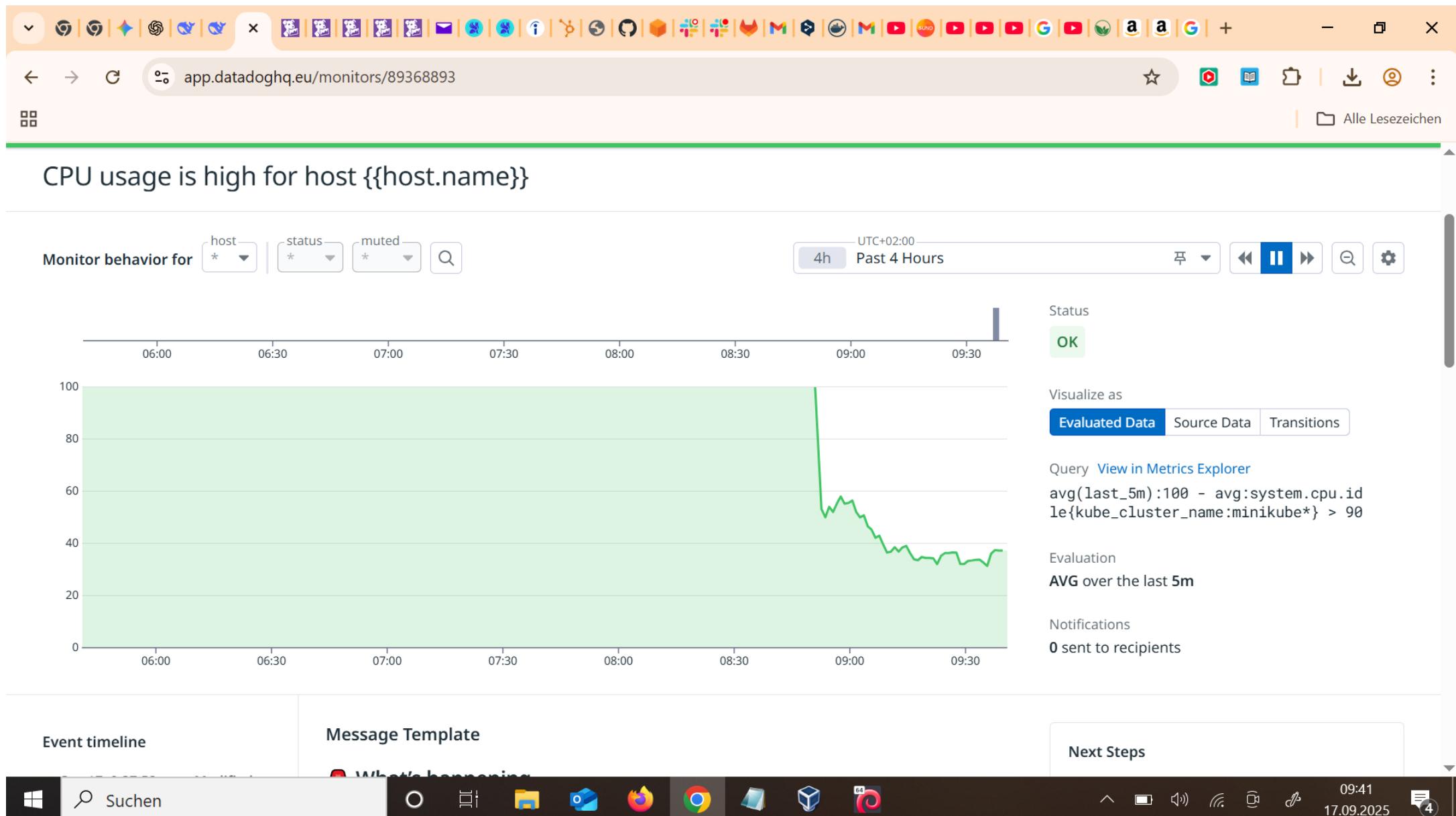
7 matching monitors

When a monitor notification matches all the tags, this rule will automatically send notifications to its recipients.

- Network traffic (received) is high on host {{host.name}}
- CPU usage is high for host {{host.name}}
- Network traffic (sent) is high on host {{host.name}}
- Disk usage is high for host {{host.name}}
- Memory space is low for host {{host.name}}
- Disk latency is high for host {{host.name}}
- System load is high for host {{host.name}}

Copyright Datadog, Inc. 2025 - 35.76694209 - [Master Subscription Agreement](#) - [Privacy Policy](#) - [Cookie Policy](#) - [Datadog Status](#) → All Systems Operational

Suchen 08:28 17.09.2025



Screenshot of a Datadog monitor status page showing a high memory usage alert on a Kubernetes cluster.

Monitor Details:

- Status:** ALERT
- Mute:** Mute
- Resolve:** Resolve
- Type:** Metric Monitor
- Created:** Sep 17, 2025, 3:55 am
- Owner:** Sam Jo

High Memory Usage on Kubernetes Cluster

Monitor behavior: UTC+02:00
4h Past 4 Hours

Status: Alert

Visualize as: Evaluated Data (selected), Source Data, Transitions

Query: View in Metrics Explorer
`avg(last_5m):avg:system.mem.used{cluster_name:minikube*} + avg:system.m...`

Evaluation: AVG over the last 5m

Notifications: 0 sent to recipients

Windows taskbar icons: Search, File Explorer, Firefox, Chrome, Microsoft Edge, and others. System tray icons: Volume, Network, Battery, and a notification icon with 4 messages.

Screenshot of the Datadog Monitors management interface.

Header:

- Top bar with various icons (e.g., CloudWatch Metrics, AWS Lambda, AWS Step Functions, AWS Lambda Metrics).
- Address bar: app.datadoghq.eu/monitors/manage
- Toolbar: Back, Forward, Refresh, Home, Stop, Reload, etc.

Navigation and Actions:

- Monitors tab (selected), List, Triggered, Downtimes, Quality, Analytics.
- Settings, Browse Templates, New Monitor.
- Views: My View, More options.

Alert Summary:

- AUTOMATICALLY ADDED: LIVE MONITORING
- 16 monitors added. Review 2 alerts to keep things running and tailor your coverage as needed.
- How does this work? Turn off automatic monitors.
- Next, Set Up Notifications (button).

Filter monitors input field and filter controls.

Monitors List:

- My Teams toggle.
- Hide Controls button.
- Status dropdown: Showing 1-18 of 18.
- Table headers: PRIORITY, STATUS, MUTED LEFT, NAME, TAGS.
- Actions: Mute, Resolve, Delete, Edit Tags, Edit Recipients NEW, Edit Teams, Export to Terraform NEW.
- Rows:
 - Triggered (5): CPU usage is high for host {{host.name}} (OK) - integration:host m.. +1
 - Warn (3): Disk latency is high for host {{host.name}} on device {{de}} (OK) - integration:host m.. +1
 - No Data (0): Disk usage is high for host {{host.name}} on device {{dev}} (OK) - integration:host m.. +1
 - OK (13): High CPU Usage on Kubernetes Cluster (OK) - Bell icon.

Bottom navigation and system status:

- Windows taskbar: Suchen (Search), File, Folder, Firefox, Chrome, Microsoft Edge, 64-bit icon.
- System tray: Volume, Battery, Network, etc.
- Bottom right: 09:34, 17.09.2025, 4 notifications.

Screenshot of the Datadog Monitor Management interface.

The URL in the address bar is <app.datadoghq.eu/monitors/manage>.

The left sidebar shows filter categories and their counts:

- Alert: 3
- Warn: 0
- No Data: 2
- OK: 13

Below these are sections for Muted and Priority filters:

- Muted:
 - True: 0
 - Muted elapsed: 30d or more
 - Muted left: 1h or less
 - False: 18
- Priority:
 - P1 (Critical): 0
 - P2 (High): 0
 - P3 (Medium): 0
 - P4 (Low): 0
 - P5 (Info): 0
 - Not Defined: 18

Below the Priority section is a Type filter:

- Metric: 9

The main table lists 16 monitors, each with a status indicator (OK, ALERT, NO DATA), a description, and integration details:

Status	Description	Integration	Count	Action
OK	CPU usage is high for host {{host.name}}	integration:host m..	+1	
OK	Disk latency is high for host {{host.name}} on device {{de}}	integration:host m..	+1	
OK	Disk usage is high for host {{host.name}} on device {{dev}}	integration:host m..	+1	
OK	High CPU Usage on Kubernetes Cluster			
ALERT	High Memory Usage on Kubernetes Cluster			
OK	Memory space is low for host {{host.name}}	integration:host m..	+1	
OK	Network traffic (received) is high on host {{host.name}}	integration:host m..	+1	
OK	Network traffic (sent) is high on host {{host.name}}	integration:host m..	+1	
ALERT	System load is high for host {{host.name}}	integration:host m..	+1	
OK	Watchdog Anomaly: {{event.title}} for {{service}}	\$env \$service m...	+2	
OK	[Kubernetes] Monitor Kubernetes Deployments Replica P	integration:kuber...	+1	
OK	[Kubernetes] Monitor Kubernetes Failed Pods in Namesp	integration:kuber...	+1	
NO DATA	[Kubernetes] Monitor Kubernetes Pods Restarting	integration:kuber...	+1	
NO DATA	[Kubernetes] Monitor Kubernetes Statefulset Replicas	integration:kuber...	+1	

At the bottom, there is a search bar, a taskbar with icons for File, Home, Task View, File Explorer, Edge, Firefox, Chrome, and PowerShell, and a system tray showing the date and time (09:34, 17.09.2025).

Views My View

Muted elapsed 30d or more Muted left 1h or less False

Priority

- P1 (Critical) 0
- P2 (High) 0
- P3 (Medium) 0
- P4 (Low) 0
- P5 (Info) 0
- Not Defined 18

Type

- Metric 9
- Integration 7
- APM 1
- Anomaly 0
- Composite 0
- Custom 0
- Event 0
- Forecast 0

High memory usage on Kubernetes Cluster

Memory space is low for host {{host.name}} integration:host m... +1

Network traffic (received) is high on host {{host.name}} integration:host m... +1

Network traffic (sent) is high on host {{host.name}} integration:host m... +1

System load is high for host {{host.name}} integration:host m... +1

Watchdog Anomaly: {{event.title}} for {{service}} \$env \$service m... +2

[Kubernetes] Monitor Kubernetes Deployments Replica P integration:kuber... +1

[Kubernetes] Monitor Kubernetes Failed Pods in Namesp integration:kuber... +1

[Kubernetes] Monitor Kubernetes Pods Restarting integration:kuber... +1

[Kubernetes] Monitor Kubernetes Statefulset Replicas integration:kuber... +1

[Kubernetes] Monitor Unschedulable Kubernetes Nodes integration:kuber... +1

[Kubernetes] Pod {{pod_name.name}} is CrashloopBackC integration:kuber... +1

[Kubernetes] Pod {{pod_name.name}} is ImagePullBackC integration:kuber... +1

[operation:flask.request] High Error Rate on {{service.na monitor_pack:apm

Suchen

09:34
17.09.2025

Monitor Notifications Overview

Filter by: env monitor_name service team monitor_id

This is a live status summary of your current monitors. This widget is always showing real-time data independent of the dashboard time frame.

Alert	OK	No Data
2	11	5

STATUS MONITOR NAME

- ALERT** System load is high for host {{host.name}}
- ALERT** Memory space is low for host {{host.name}}
- NO DATA** [Kubernetes] Monitor Kubernetes Pods Restarting
- NO DATA** [Kubernetes] Monitor Kubernetes Statefulset Replicas
- NO DATA** High CPU Usage on Kubernetes Cluster
- NO DATA** [Kubernetes] Monitor Kubernetes Deployments Replica Pods

Share Show Overlays Configure Clone

UTC+02:00 1h Past 1 Hour

"Notifications" are created every time a Monitor changes status. These widgets follow the global timeframe, allowing you to compare trends over time.

Alert Events 9 Warn Events (No data) OK Events 1

Alert and warn notifications timeline

The chart displays a single data series named "Alerts". It shows a sharp increase in event count starting around 03:45 UTC, peaking at approximately 110 events between 03:45 and 04:00 UTC. A legend indicates that dark grey bars represent "Alerts".

Top alert and warn notifications

- 1 Memory space is low for host {{host.name}}
- 7 [Kubernetes] Monitor Kubernetes Deployments Replica Pods

Suchen

04:05
17.09.2025