

## Basic terminologies

A **host** : is an entity which Datadog has to monitor.

Example- servers, vms, containers, IOT devices, desktop etc.

**Metric** : is a time bound information (the data value) pertaining to a system captured at a certain point in time

### Metric type

Work metric – indicate top level health of your system by measuring its useful output

Throughput - ex. Of request or queries per second

Success rate – ex. Percentage of queries successfully executed

Error rate – ex. Percentage of queries failed executed

Performance – ex. Percentile response time

Resource metric – indicated timely information of physical resource components such as CPU, memory disks

Utilization – ex. Percentage time that device was busy

Saturation – ex. wait queue length, swap usage

Availability – ex. % of time resource responded to requests

Errors – ex. internal errors or device errors

**Event** - events happen at infrequent occurrences that usually provides the details of a change that happened in the system

**Agent** – is a service that runs alongside the application software system / host to collect various events and metrics from it and sends it to datadog backend via internet.

**Alert** – Alert is a triggering event produced by a monitor when it determines a metric value crosses a threshold.

← → ↺ 🏠

app.datadoghq.com/help/quick\_start

☆ 📄 m ⋮

← 1 2 →

Your hosts (so far)

Create a dashboard

Create a monitor

Increase your knowledge

Invite teammates


Install an integration

You have 1 host reporting data to Datadog.

See your hosts in more detail in your [Expanded host map](#).

Get a summary of basic metrics at your [System Overview dashboard](#).

Your infrastructure ...



Updated < 1 min ago

## Tag

Views

My View ⋮

Host Map

View

Hosts

Filter

system:mylaptop X

Group

Search


Fill

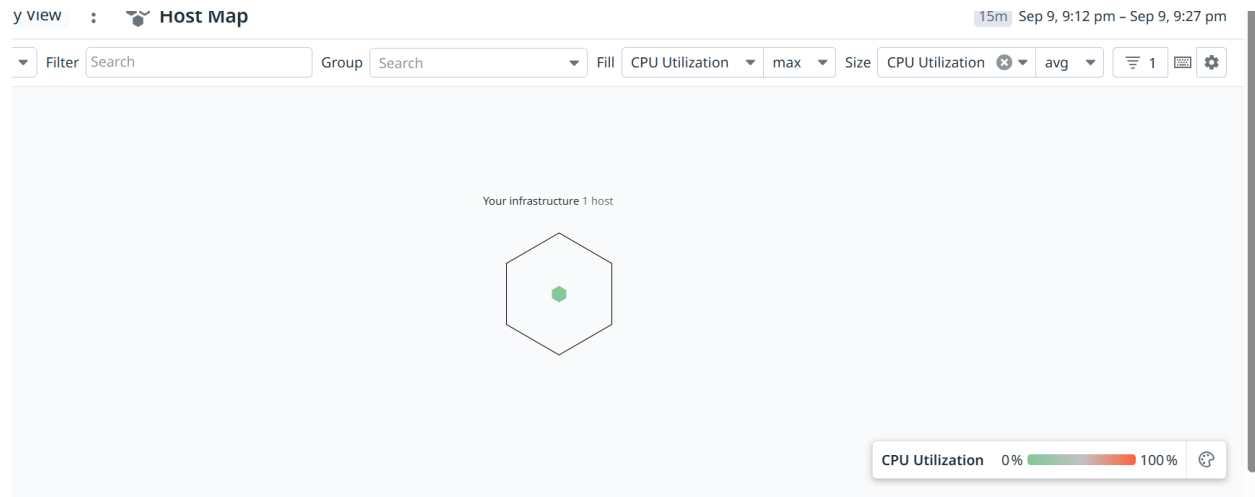
CPU Utilization

avg

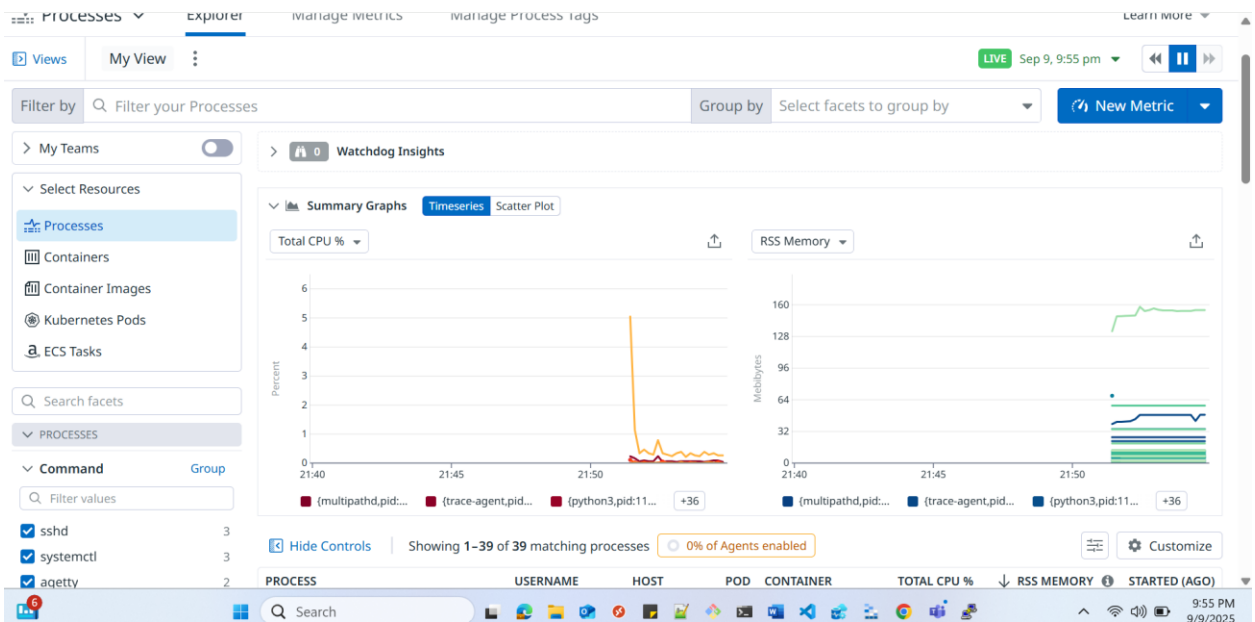
Size

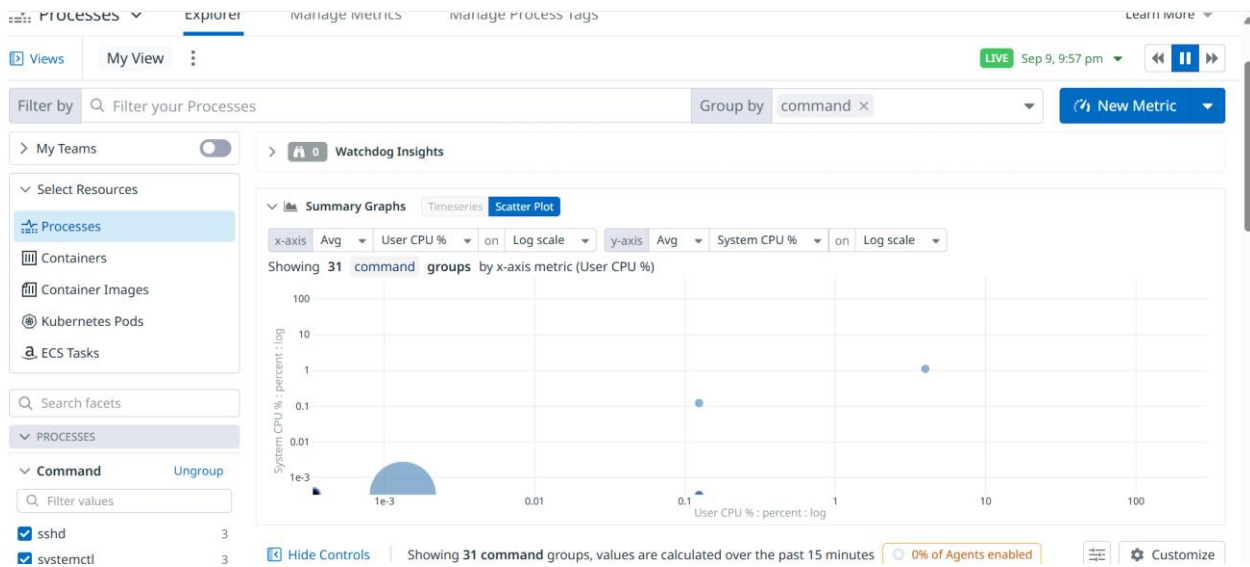
system:mylaptop 1 host





## Process explorer





Filter by Filter your Processes Group by command x New Metric

Hide Controls Showing 27 command groups, values are calculated over the past 15 minutes 0% of Agents enabled Customize

GROUP	COUNT	CPU/CONTAINER (% AVG)	RSS/CONTAINER (AVG)
> command:systemctl	3	0%	5 MiB
> command:agetty	2	0%	2 MiB
> command:chronyd	2	0%	2 MiB
> command:gpg-agent	2	0%	3 MiB
> command:ModemManager	1	0%	12 MiB
> command:cron	1	0%	3 MiB
> command:dbus-daemon	1	0%	5 MiB
> command:fwupd	1	0%	58 MiB
> command:hv_kvp_daemon	1	0%	3 MiB
> command:init	1	0%	13 MiB
> command:multipathd	1	0%	26 MiB

sshd 3  
systemctl 3  
agetty 2  
chronyd 2  
gpg-agent 2  
python3 2  
ModemManager 1  
agent 1

View more values

User Group

Integration Group

Operating System Group

Isolation Group

CORE

Env Group

rdev 39

Search

10:10 PM 9/9/2025

Metric type -

Count

Gauge - last value reported in the interval

Rate

Set – sets count the number of unique values passed to a key

Histogram – statistical distribution of a set of value calculated in one time interval

Distribution – global statistical of a set of values calculated across entrie distributed infrastructure/all host

## Metric summary

The screenshot shows the Datadog Metrics API summary page for the metric `datadog.trace_agent.cpu_percent`. The page is divided into several sections:

- Left Sidebar:** A list of categories with their respective counts: Metrics API (1), Monitors (0), Network Performance Monit... (0), Observability Pipelines (0), and Other (0). A link "View more values" is at the bottom.
- Metric List:** A table of metrics with their counts. The metric `datadog.trace_agent.cpu_percent` is highlighted.
- Metric Details:** A section for the selected metric, showing its name, type, interval, origin product, subproduct, and product detail. It also includes an "Edit" button.
- Advanced:** A section for advanced settings, including "Historical Metrics" (OFF) and a note about not enabling historical metrics for this metric.

Category	Count
Metrics API	1
Monitors	0
Network Performance Monit...	0
Observability Pipelines	0
Other	0

Metric	Count
datadog.event.tracking.intakev2.genresources.bytes	0
datadog.event.tracking.intakev2.monresult.bytes	0
datadog.process.containers.host_count	0
datadog.process.per_command.cpu.total_pct	0
datadog.process.per_command.memory.rss	0
datadog.process.processes.host_count	0
datadog.process.processes.host_instance	0
<b>datadog.trace_agent.cpu_percent</b>	<b>1</b>
datadog.trace_agent.events.max_eps.current_rate	0
datadog.trace_agent.events.max_eps.max_rate	0
datadog.trace_agent.events.max_eps.reached_max	0
datadog.trace_agent.events.max_eps.sample_rate	0
datadog.trace_agent.heap_alloc	0
datadog.trace_agent.heartbeat	0
datadog.trace_agent.receiver.out_chan_fill	0

**datadog.trace\_agent.cpu\_percent** [Open in Metrics Explorer](#)

DISTINCT METRICS REPORTED	HOSTS	TAG VALUES
1	1	2

**Metadata**

- Metric Type: Gauge
- Interval: 10
- Origin Product: Agent
- Subproduct: Dogstatsd
- Product Detail: Other

[Edit](#)

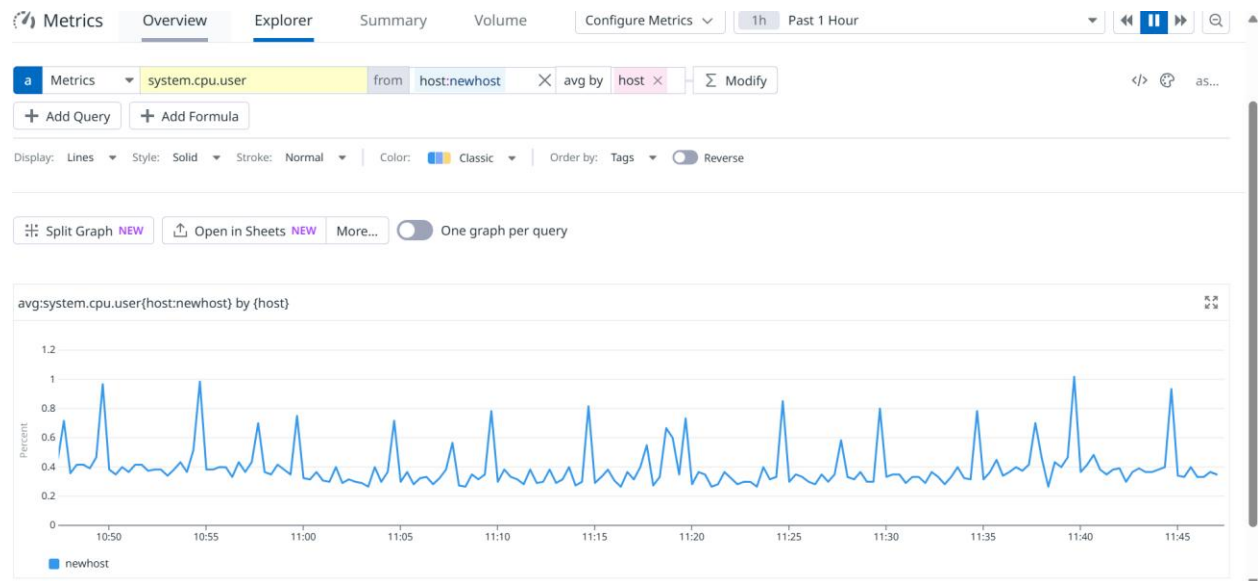
**Advanced**

[Historical Metrics](#) OFF

Not enabled for this metric. Use historical metrics to ingest data points older than 1 hour. [Learn more](#)

[Configure](#)

## Metrics explorer



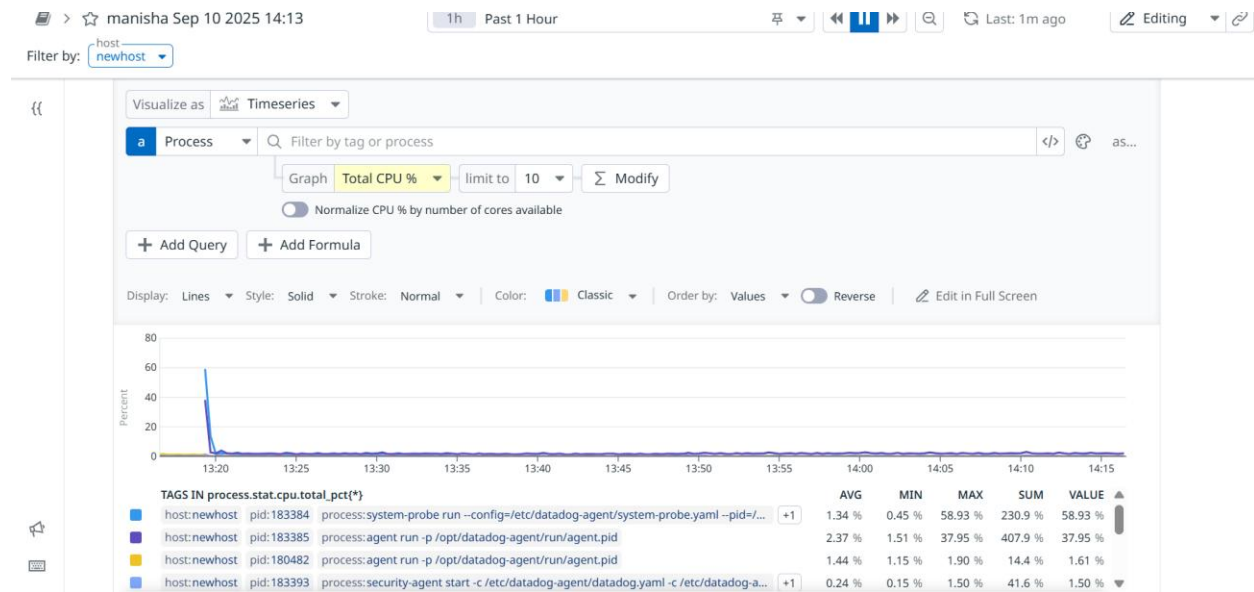
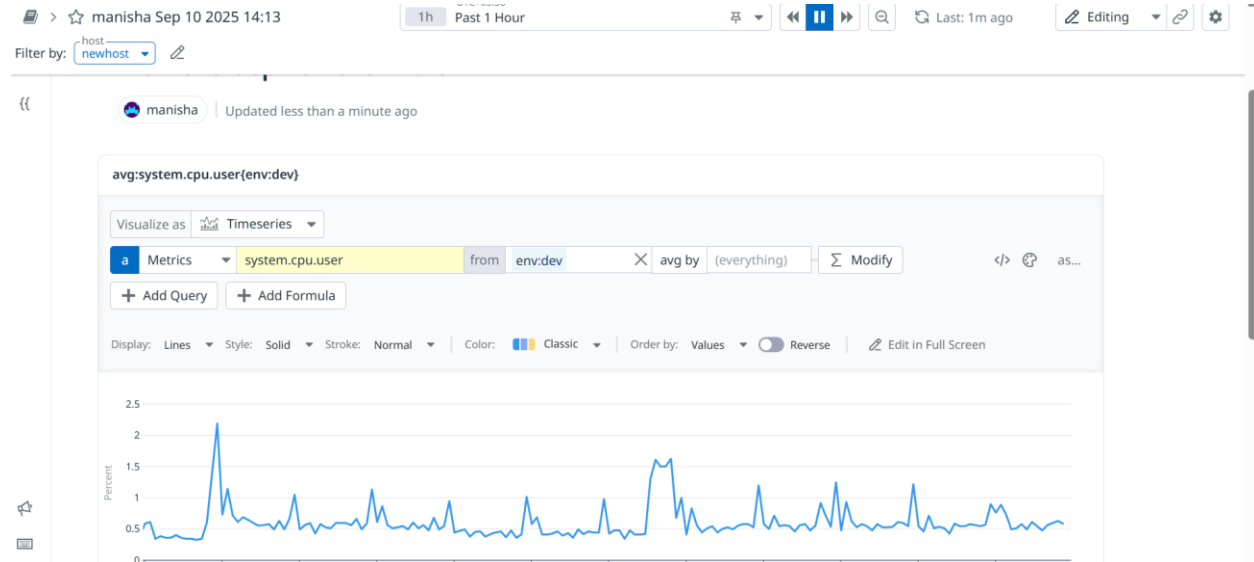
## Query


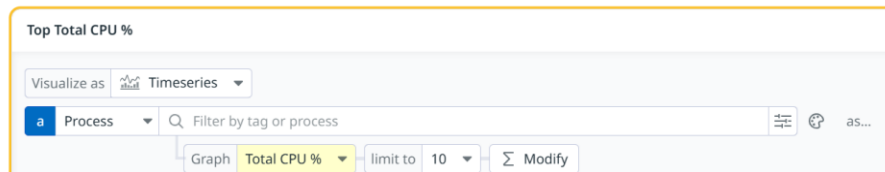
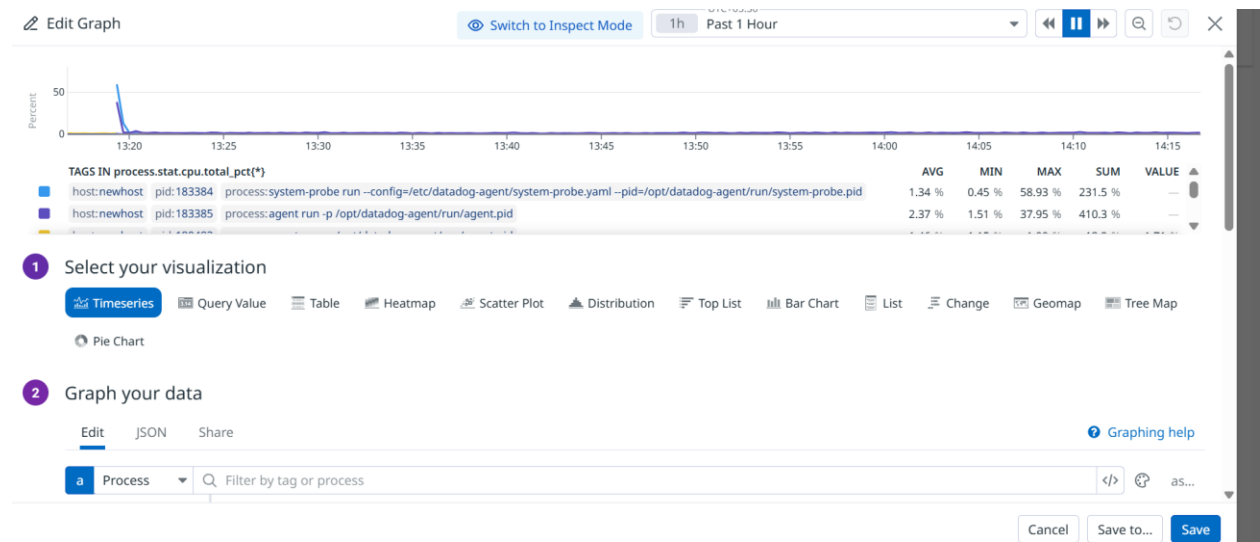


## Events

Events represents notable change in the state of a monitored application or device

## Notebook







## Dashboard



## Monitor and alerts

1 Pick hosts by name or tag

host:newhost X excluding Select tags to exclude

2 Set alert conditions

## Set notification

### 2 Set alert conditions

Check Alert **Cluster Alert** An alert is triggered when a % of hosts stop reporting. ?

Grouped Calculate status percentage across each host X

% Missing Data to Alert



☒ % Missing Data to Warning



The alert will...

### 3 Configure notifications & automations

Recipient summary

4 Emails

Message 4

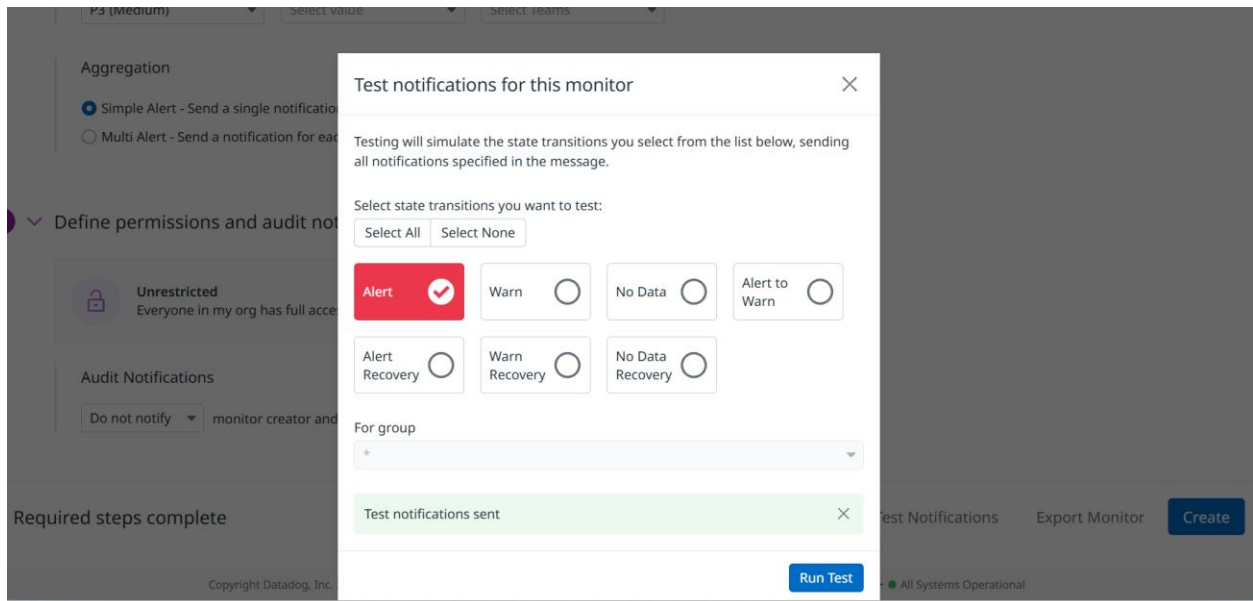
manishabalid179@gmail.com

xyz@gmail.com

dev@gmail.com

prod@gmail.com

{{#is\_match "host.name" "new" }}



[P3] Triggered: [TEST] newhost is down. Inbox x



**Datadog Alerting** <alert@datadog.co>  
to me ▾

3:49 PM (0 minutes ago) ☆ 😊

**[P3] Triggered: [TEST] newhost is down.**

[@manishabalid179@gmail.com](mailto:@manishabalid179@gmail.com)

Notification message

Hi Team newhost is down. Please check and fix the issue @[dev@gmail.com](mailto:dev@gmail.com)

[@xyz@gmail.com](mailto:@xyz@gmail.com)

Test notification triggered by [manishabalid179@gmail.com](mailto:manishabalid179@gmail.com).

> My Teams

▼ Status

Triggered

Alert

Warn

No Data

OK

1

0

0

1

8

▼ Muted

True

Muted elapsed

Muted left

False

0

30d or more

1h or less

9

Hide Controls

Showing 1-9 of 9

PRIORITY	STATUS	MUTED LEFT	NAME	TAGS
Mute	Resolve	Delete	Edit Tags	Edit Recipients NEW Edit Teams Export to Terraform NEW
	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		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
	OK		System load is high for host {{host.name}}	integration:host m. +1
	NO DATA		Bedel High memory consumption	integration:host m. +1

Downtime schedule

ACTIVE Downtime

Start: Sep 10, 2025, 4:07 PM GMT+5:30 | End: Sep 10, 2025, 5:00 PM GMT+5:30

Creator: manisha

DETAILS

Monitor {{host.name}} is down. [🔗](#)

Scope \*

IMPACTED MONITORS 1

🔍 Search (example: prod)

STATUS	NAME	TAGS
OK	{{host.name}} is down.	

Showing 1-1 of 1

MESSAGE

downtime start msg @manishabalid179@gmail.com



manisha (@manishabalid179@gmail.com) mentioned you in a comment:




manisha


Scheduled downtime on `{{host.name}}` is down. has started.  
All alerting will be silenced until **11:30AM UTC** on **September 10**  
downtime start msg @manishabalid179@gmail.com

[\[View Downtime\]](#)


10 Sep, 10:38:04 UTC

## Containerized Logs

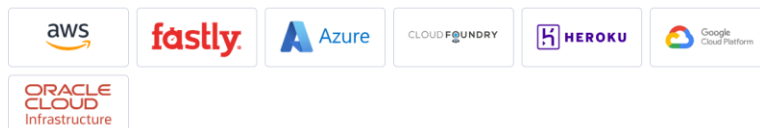
 **Detected**  
Data sources you're using

 **Server**  
With the Datadog Agent

 **Container**  
Docker, Kubernetes...

 **Cloud**  
AWS, GCP, Azure...

### 1 Select a log source

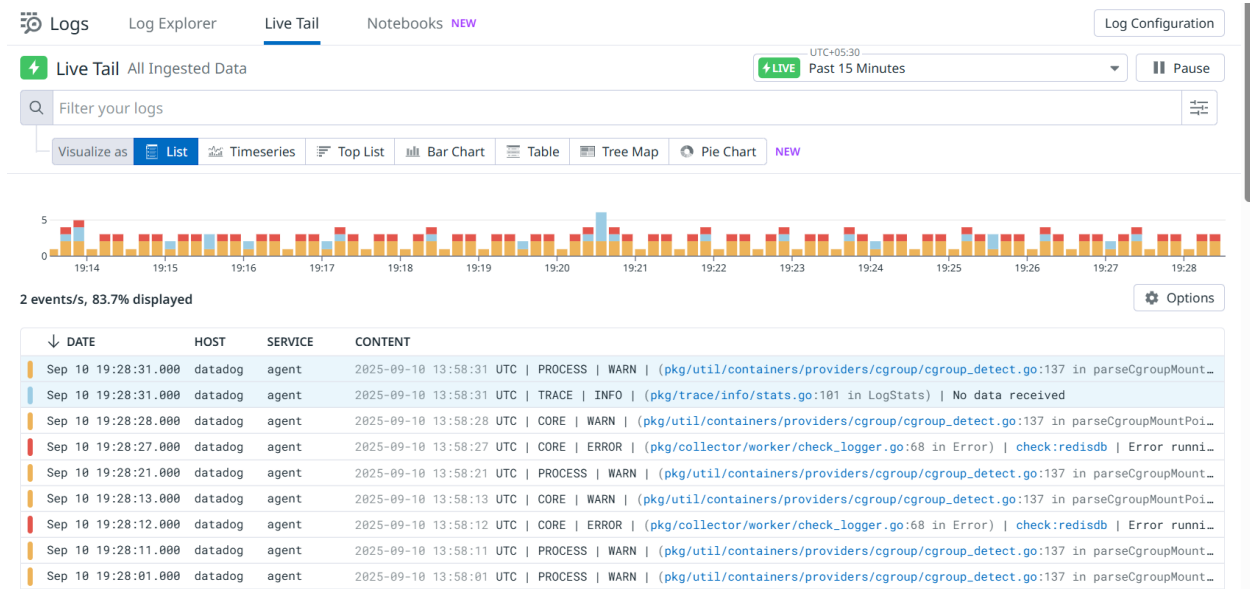


Datadog Log Management doesn't yet support your log source? Register below for updates and we'll let you know when something is ready.

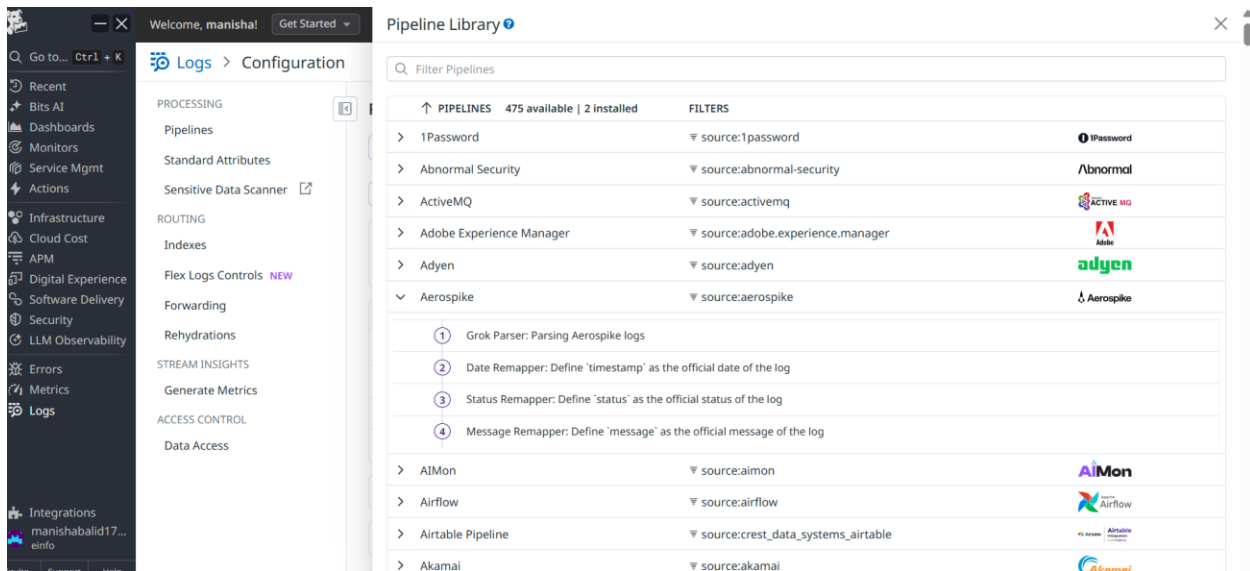
Other integrations:

Learn more about how to optimize your Log Observability with  
**Logging Without Limits™**

[Full documentation](#) | [Logs FAQ](#) | [Contact Datadog Support](#)



Log pipeline



## Create Grok Parser

1

Select the processor type

Grok Parser

2

Name the processor

proc1

Parse My Logs ?

3

Log samples ?

demo1 job successfully completed on 09/09/2025

MATCH

Need Help?

+ Add

4

Define parsing rules ?

my\_rule %{word:job\_name} job successfully completed on %{date("mm/dd/yyyy"):run\_date}

Cancel

Create

3	Aerospike	source:aerospike	Sep 10 2025
1	Grok Parser: Parsing Aerospike logs		
2	Date Remapper: Define `timestamp` as the official date of the log		
3	Status Remapper: Define `status` as the official status of the log		
4	Message Remapper: Define `message` as the official message of the log		
5	Grok Parser: proc1		

- PROCESSING
- Pipelines
- Standard Attributes
- Sensitive Data Scanner
- ROUTING
- Indexes
- Flex Logs Controls NEW
- Forwarding
- Rehydrations
- STREAM INSIGHTS
- Generate Metrics
- ACCESS CONTROL

Generate Metrics

View docs

+ New Metric

Filter Metrics

1 custom metric defined

Pipelines

LOG METRICS

Metrics data is available for 15 months — Extract metrics from logs even when those logs are excluded from indexing.

METRIC NAME	TYPE	FILTER	DIMENSIONS
mycustommetric	distribution	Host:d1-dev-host	
<div>+ Add a new metric</div>			

APM



APM Setup

Step 1 → Configure the Datadog Agent for APM.

Step 2 → Add Datadog Tracing Library to code.

- Java
- Python
- Ruby
- Go
- node.js
- Php
- C++
- .net





APM

Service

Traces

Profiles

Debugger

PREVIEW

UTC+05:30

LIVE

Past 15 Minutes

Pause

Search

Refresh

Views

Search for

Spans

Traces

in

All Ingested Spans (Live Search)

Save

Documentation

+ Add another span query

Group by

Select value

Visualize as

List

Timeseries

Top List

Bar Chart

Table

Point Plot

NEW

Tree Map

Pie Chart

Flow Map

Hide Controls

Search facets

Showing 23 of 23

+ Add

CORE

Duration

Min

0ms

Max

6.35ms

Status

☒ Error

0

☒ Ok

5.74K

Env

Watchdog Insights

Requests, Errors, and Latency

Analyze Error Spans

Analyze High Latency Spans

0 spans/s

Export

Options

DATE	SERVICE	RESOURCE	DURATION	METHOD	STATUS CODE
Sep 10 21:37:02.772	sqlite → sqlite	SELECT packages.name, packages.version, packa...	50.8µs		
Sep 10 21:37:02.772	sqlite → sqlite	SELECT packages.name, packages.version, packa...	51.3µs		
Sep 10 21:37:02.772	sqlite → sqlite	SELECT packages.name, packages.version, packa...	51.3µs		
Sep 10 21:37:02.772	sqlite → sqlite	SELECT packages.name, packages.version, packa...	51.7µs		
Sep 10 21:37:02.772	sqlite → sqlite	SELECT packages.name, packages.version, packa...	53.8µs		
Sep 10 21:37:02.771	sqlite → sqlite	SELECT packages.name, packages.version, packa...	51.0µs		

## Service

Welcome, manisha!

Get Started

You are 67% done setting up

sqlite

Ok

Run Workflow

Service Page

Close

Internal Developer Portal

Overview

Software C

Ownership

Reliability

Performance

Security

Costs

Delivery

Relationships

Search by name

env:dev operation:sqlite.query

Dashboards

My Teams

1 Service

View As

List

TYPE

NAME

sqlite

Requests and Errors

Latency

Errors

Setup Guidance

Definition

Scorecards

Dashboards

Tracing Configuration

Teams

Teams

0

Software

My Components

0

Systems

NEW

0

Services

1

Databases

1

Queues

0

Frontend Apps

0

External Providers

0

Inferred Services

0

APIs

NEW

0

Endpoints

0

6k

4k

2k

0

21:00

21:15

21:30

21:45

120

100

80

60

40

20

0

21:00

21:15

21:30

21:45

150

100

50

0

21:00

21:15

21:30

21:45