Basic termonologies

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 cetailn 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 executied

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

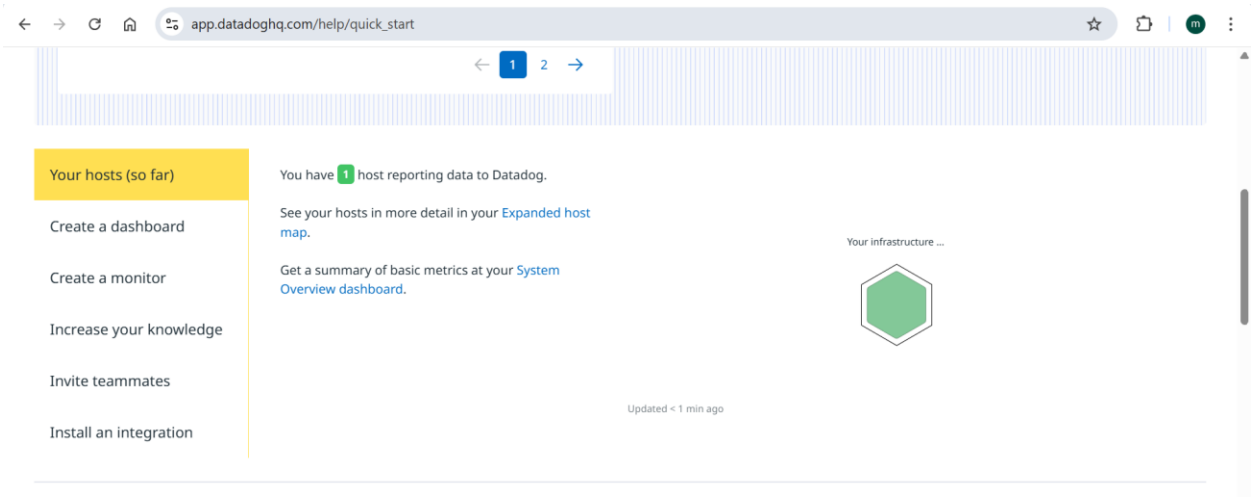
Avaibility – ex.% of time resource responded to requests

Errors – ex.internal errors or device errors

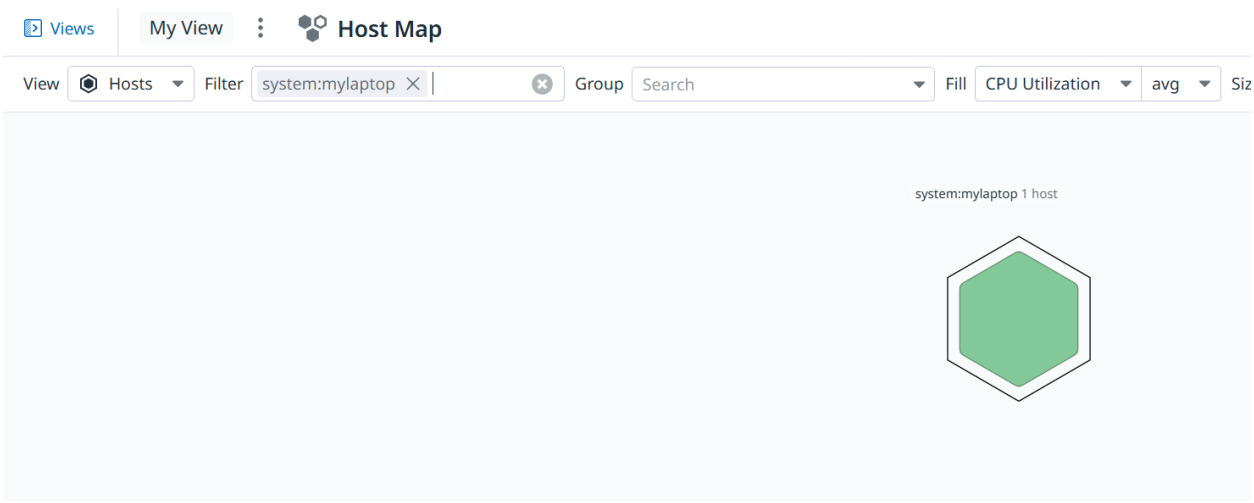
Event - events happen at infrequent occurrences that usually provides the details of a change that happened in the system

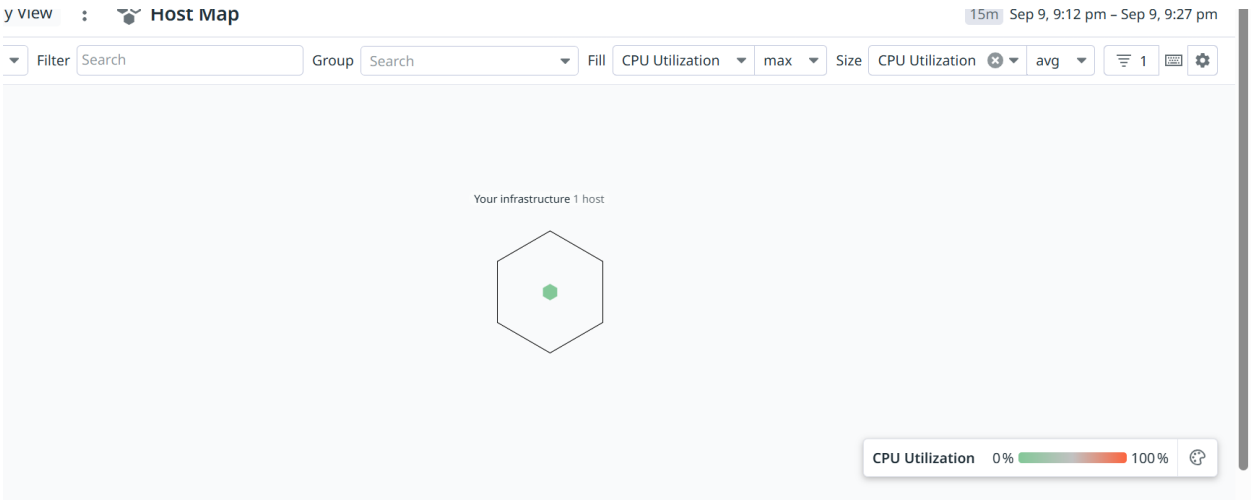
Agent – is a service that runs alongside the application software system / host to collect various events and metrics from it and sends it to datadog backend via internet.

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

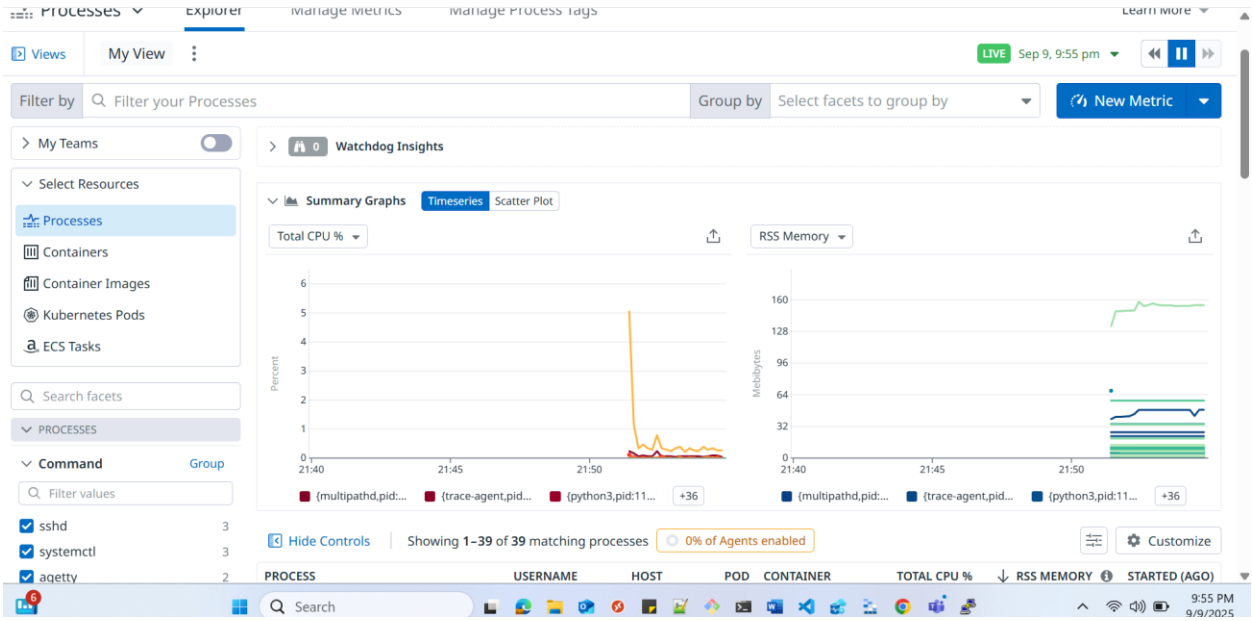

app.datadoghq.com/help/quick_start
1
2
Your hosts (so far)
Create a dashboard
Create a monitor
Increase your knowledge
Invite teammates
Install an integration
You have 1 host reporting data to Datadog.
See your hosts in more detail in your Expanded host map.
Get a summary of basic metrics at your System Overview dashboard.
Your infrastructure ...
Updated < 1 min ago

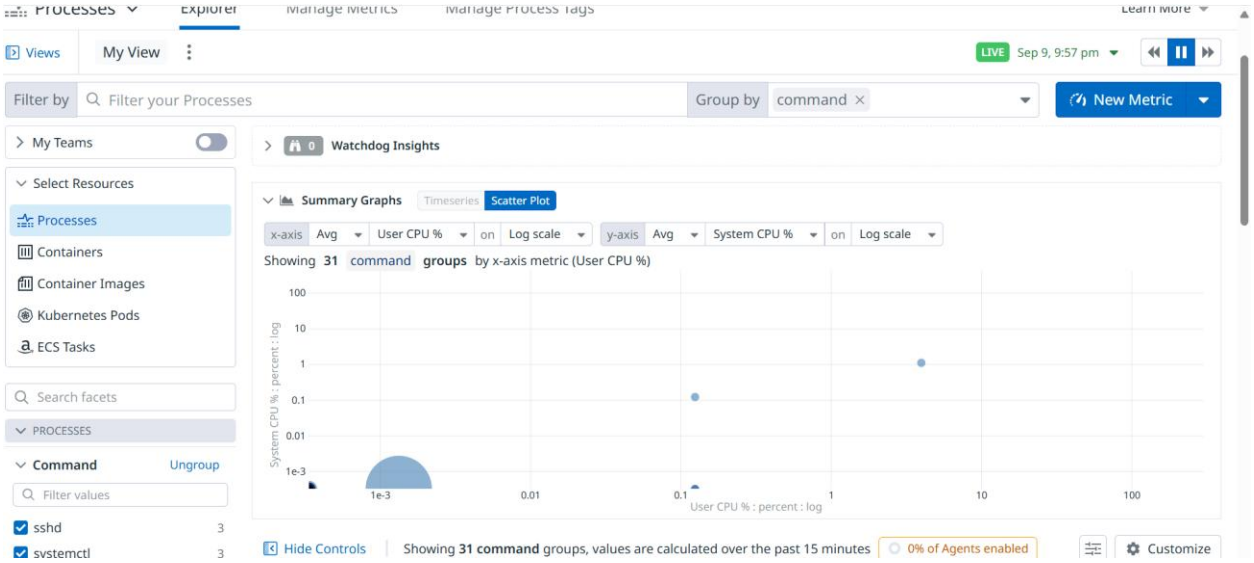
Tag

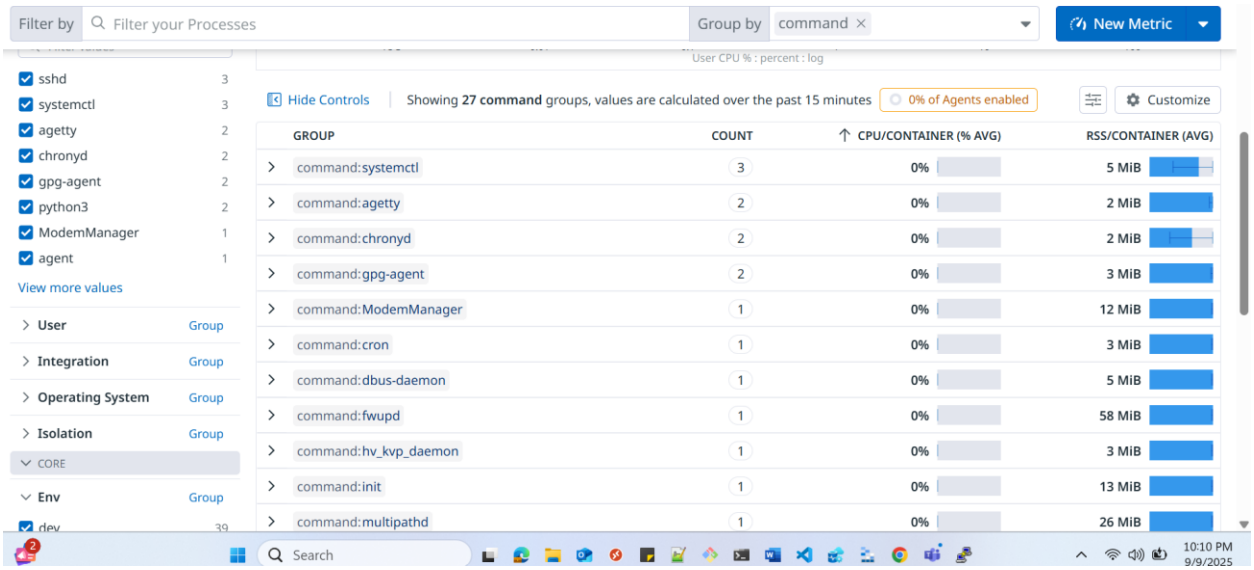

Views
My View
Host Map
View
Hosts
Filter
system:mylaptop
Group
Search
Fill
CPU Utilization
avg
Siz
system:mylaptop 1 host



Process explorer




Processes
Explorer
Manage Metrics
Manage Process Tags
Learn More
Views
My View
LIVE
Sep 9, 9:57 pm
Filter by
Filter your Processes
Group by
command
New Metric
My Teams
Watchdog Insights
Select Resources
Processes
Containers
Container Images
Kubernetes Pods
ECS Tasks
Summary Graphs
Timeseries
Scatter Plot
x-axis
Avg
User CPU %
on
Log scale
y-axis
Avg
System CPU %
on
Log scale
Showing 31 command groups by x-axis metric (User CPU %)
System CPU % : percent : log
User CPU % : percent : log
Search facets
PROCESSES
Command
Ungroup
Filter values
sshd 3
systemctl 3
Hide Controls
Showing 31 command groups, values are calculated over the past 15 minutes
0% of Agents enabled
Customize


Filter by
Filter your Processes
Group by
command
New Metric
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
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
Search
10:10 PM
9/9/2025

Metric type -

Count

Gauge - last value reported in the interval

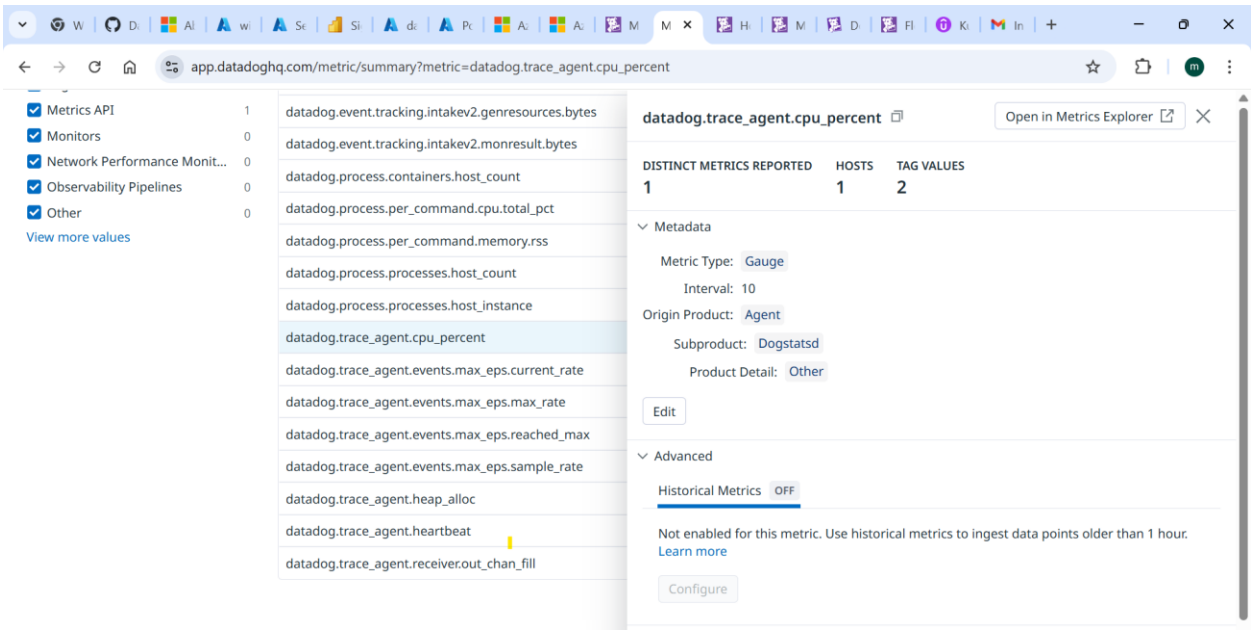
Rate

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

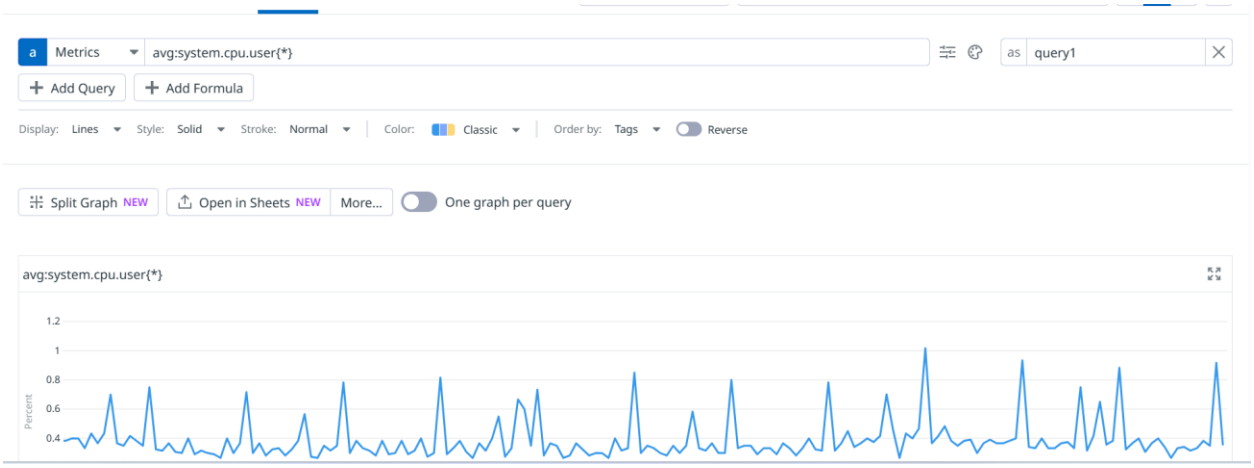
Distribution – global statistical of a set of values calculated across entrie distributed infrastructure/all host

Metric summary



Metrics explorer

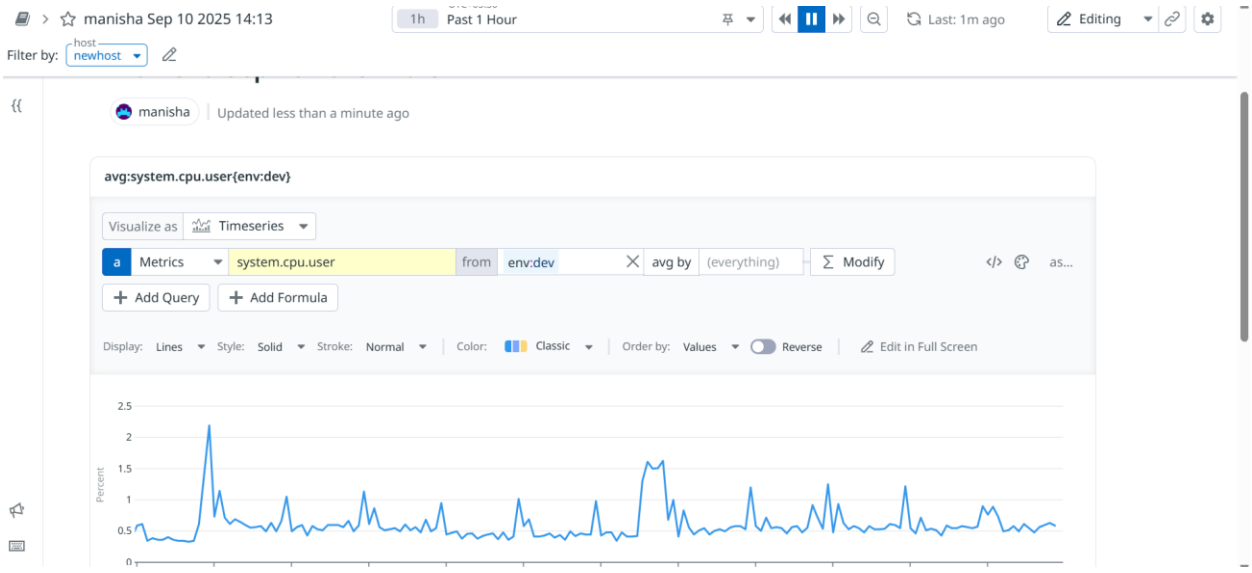
Query

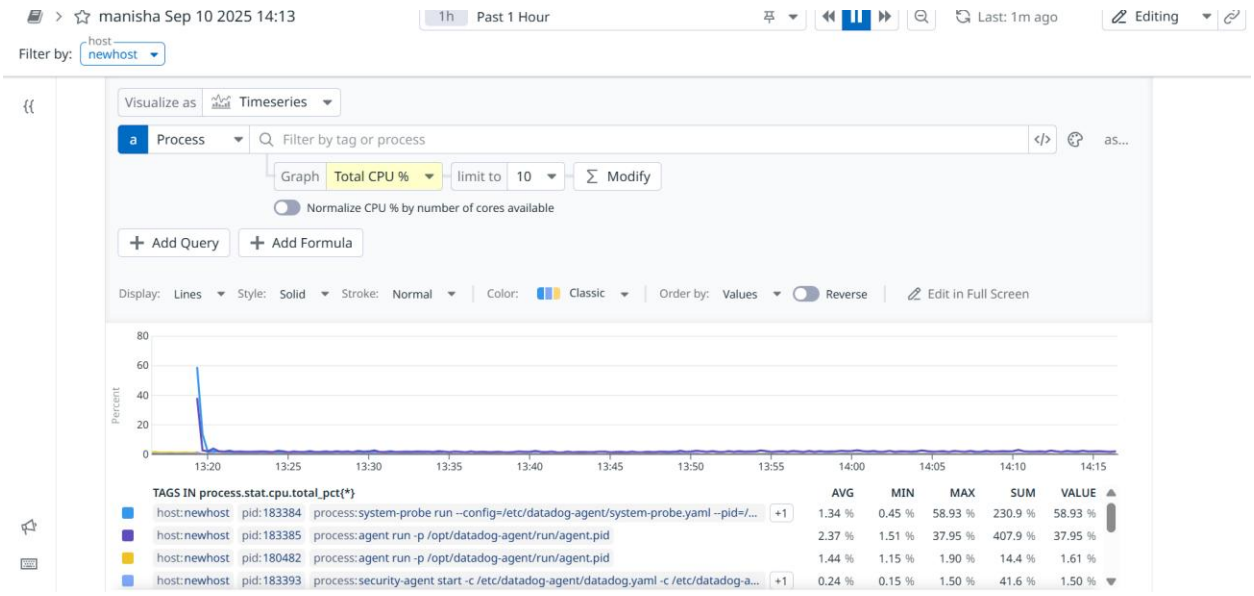


Events

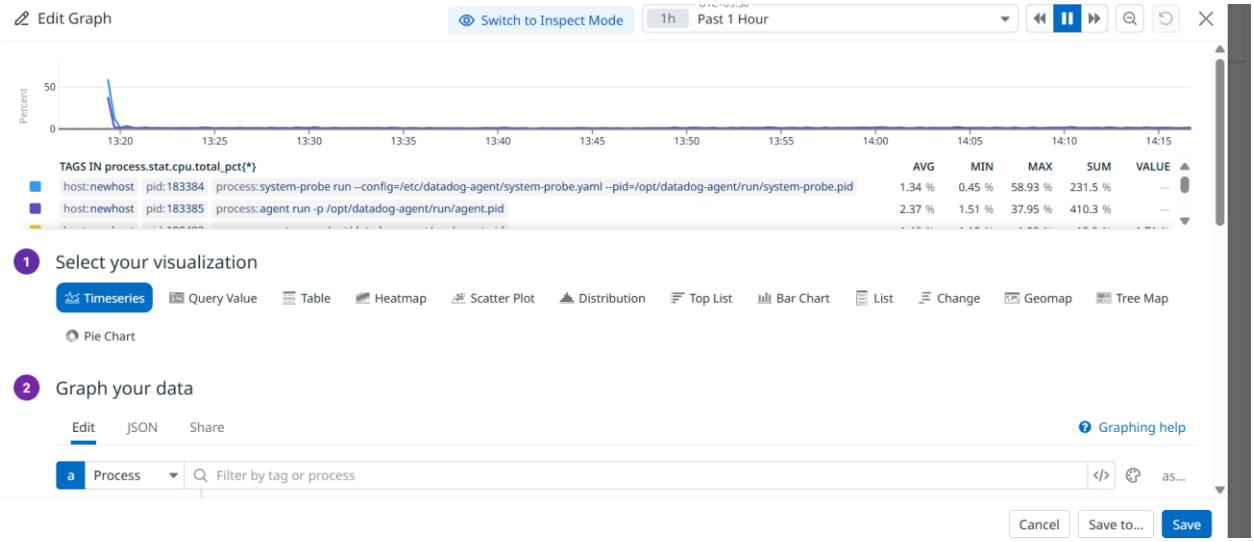
Events represents notable change in the state of a monitored application or device

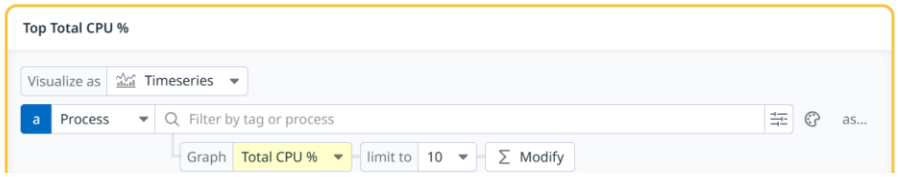
Notebook

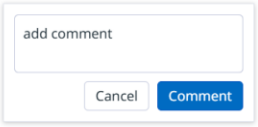




View full

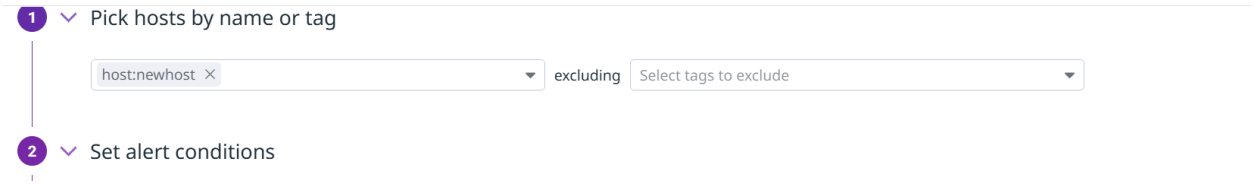

Edit Graph
Switch to Inspect Mode
1h
Past 1 Hour
Percent
50
0
13:20
13:25
13:30
13:35
13:40
13:45
13:50
13:55
14:00
14:05
14:10
14:15
TAGS IN process.stat.cpu.total_pct{*}
AVG
MIN
MAX
SUM
VALUE
host:newhost pid:183384 process:system-probe run --config=/etc/datadog-agent/system-probe.yaml --pid=/opt/datadog-agent/run/system-probe.pid
1.34 %
0.45 %
58.93 %
231.5 %
host:newhost pid:183385 process:agent run -p /opt/datadog-agent/run/agent.pid
2.37 %
1.51 %
37.95 %
410.3 %
1
Select your visualization
Timeseries
Query Value
Table
Heatmap
Scatter Plot
Distribution
Top List
Bar Chart
List
Change
Geomap
Tree Map
Pie Chart
2
Graph your data
Edit
JSON
Share
Graphing help
a
Process
Filter by tag or process
as...
Cancel
Save to...
Save


Top Total CPU %
Visualize as
Timeseries
a
Process
Filter by tag or process
as...
Graph
Total CPU %
limit to
10
Modify

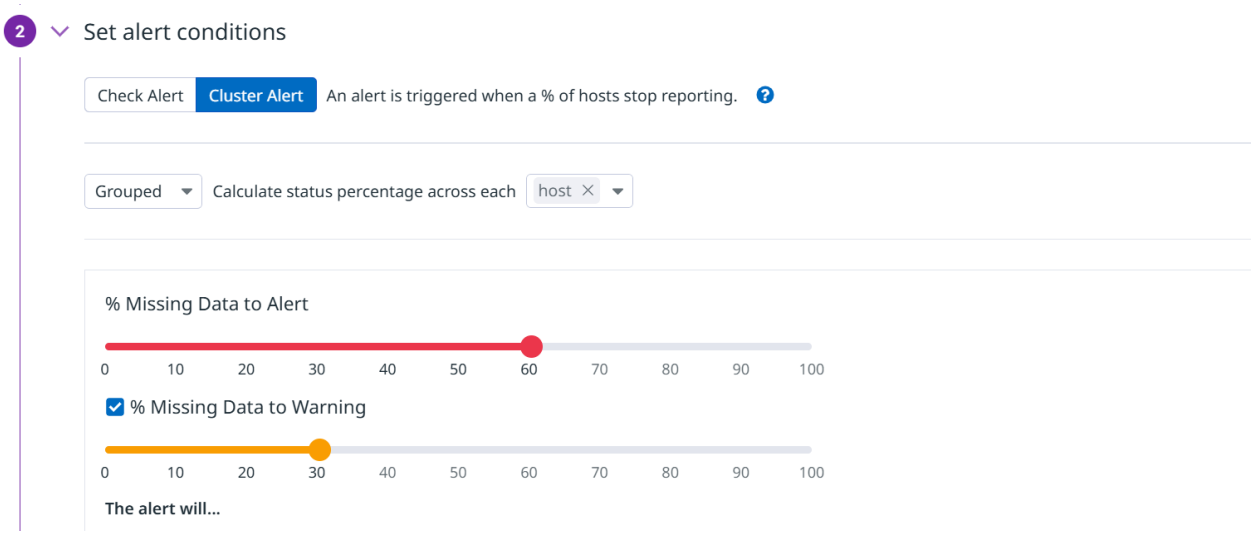

add comment
Cancel
Comment

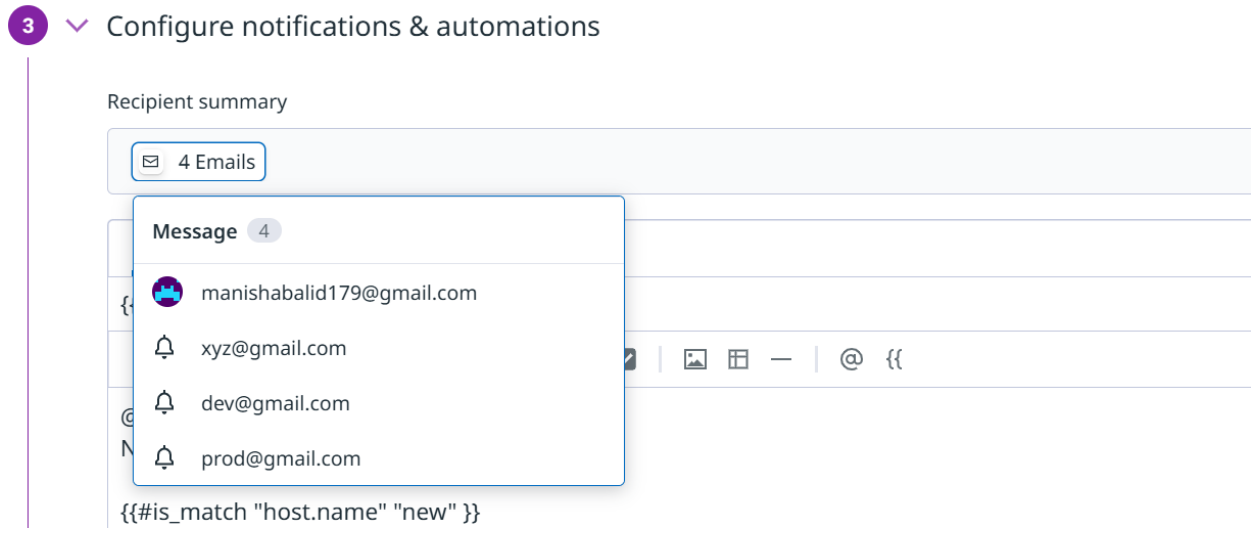
Dashboard

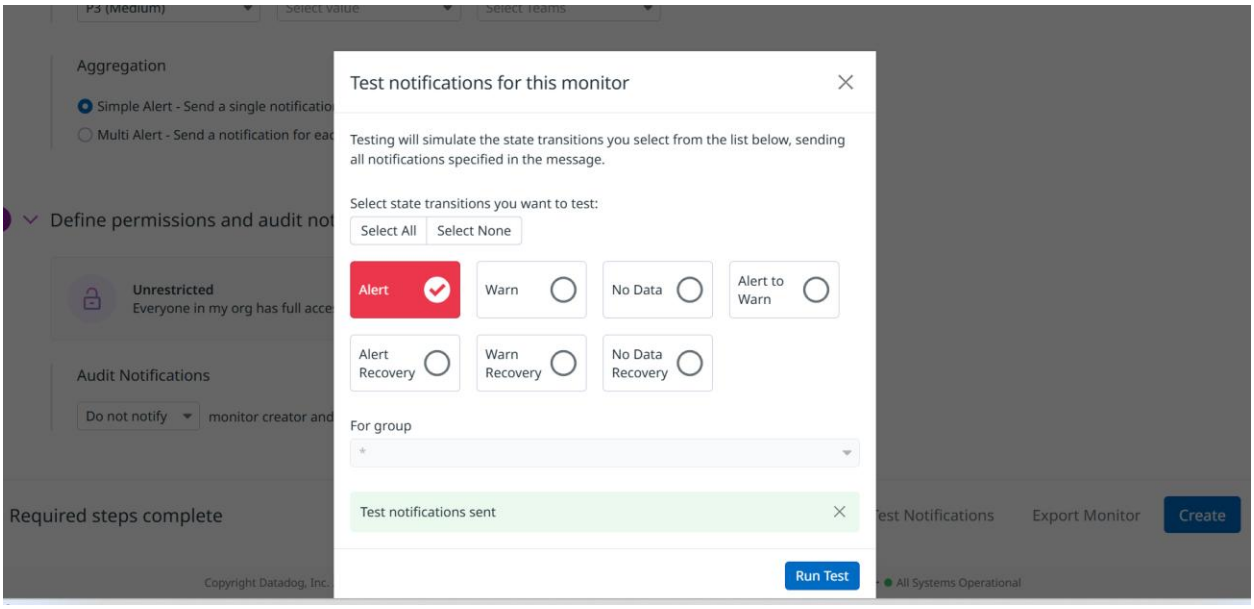
Monitor and alerts



Set notification







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

Datadog Alerting <alert@dtdg.co> 3:49 PM (0 minutes ago)

to me

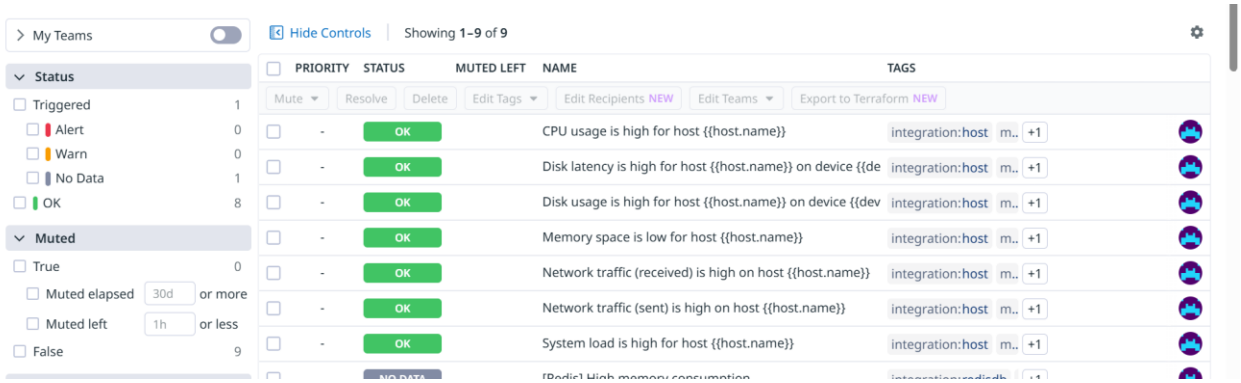
[P3] Triggered: [TEST] newhost is down.

@manishabalid179@gmail.com
Notification message

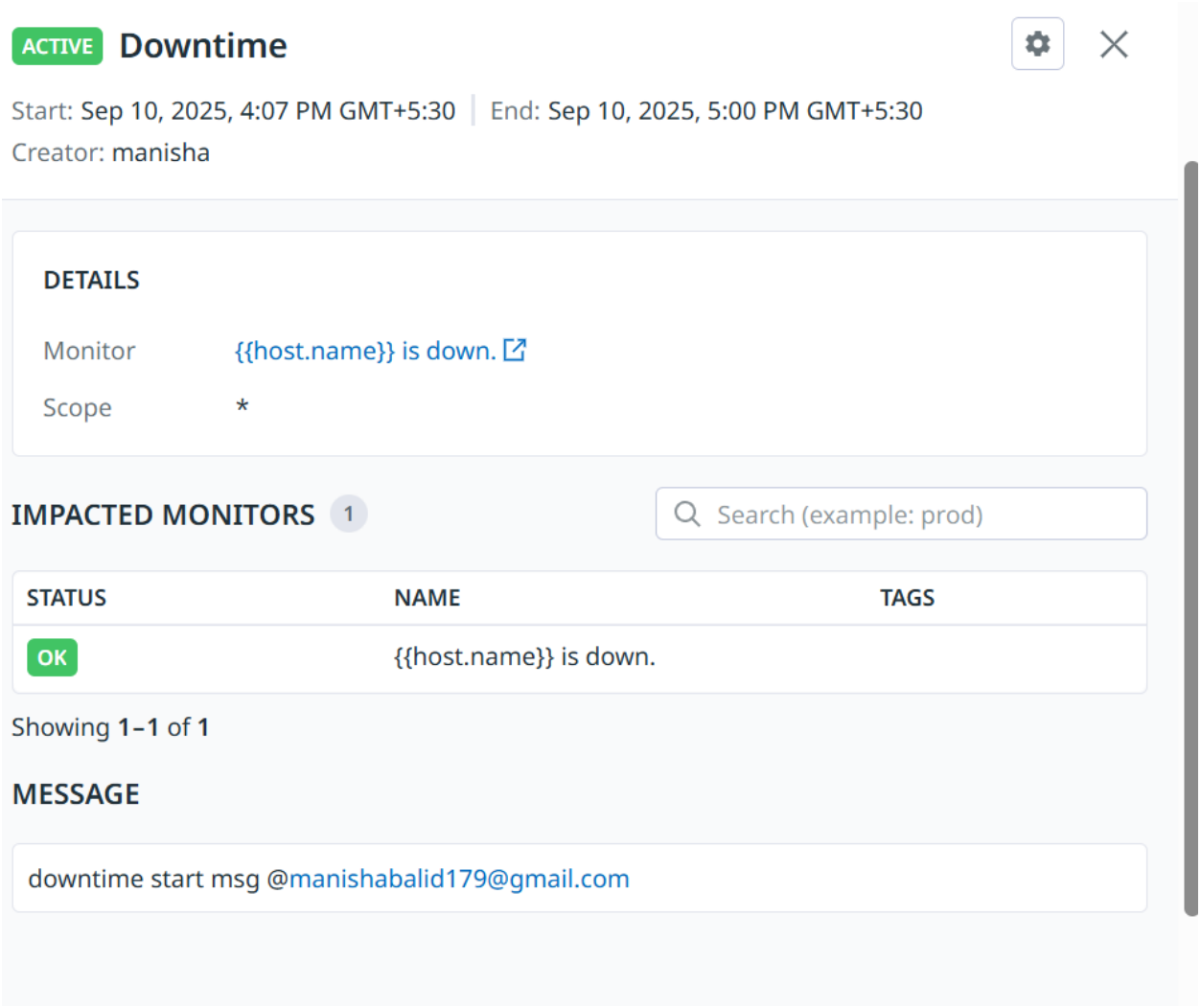
Hi Team newhost is down. Please check and fix the issue @dev@gmail.com

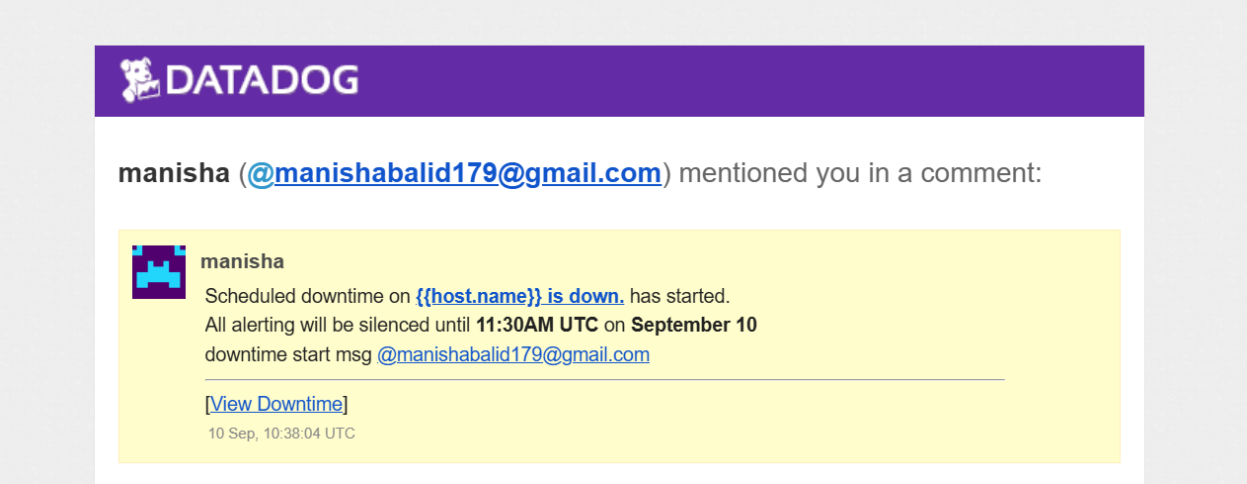
@xyz@gmail.com

Test notification triggered by manishabalid179@gmail.com.

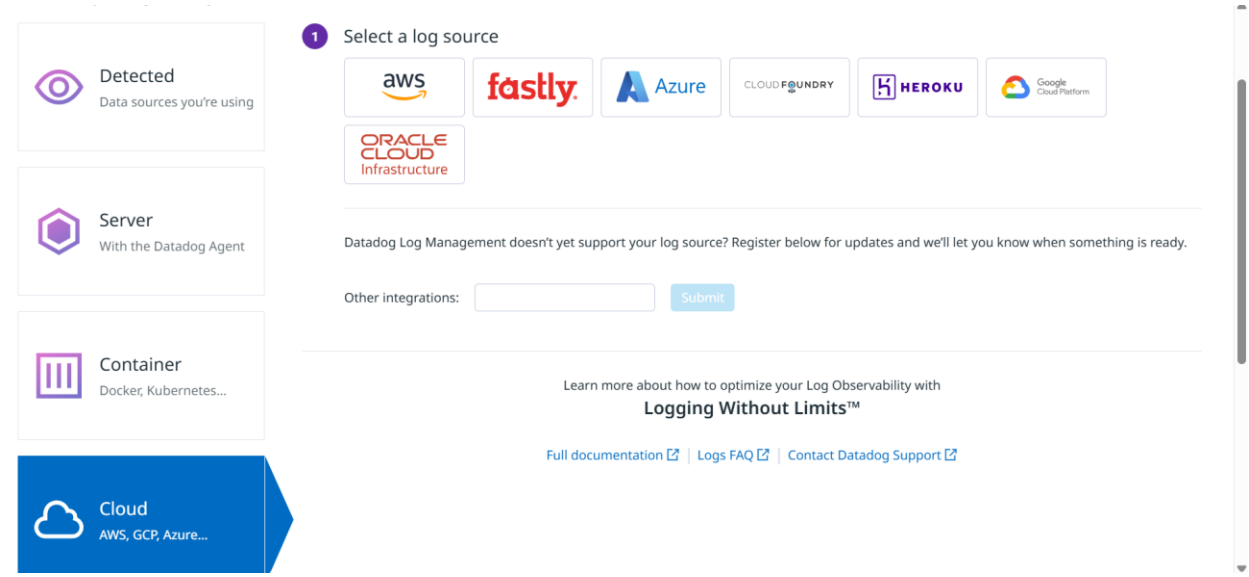


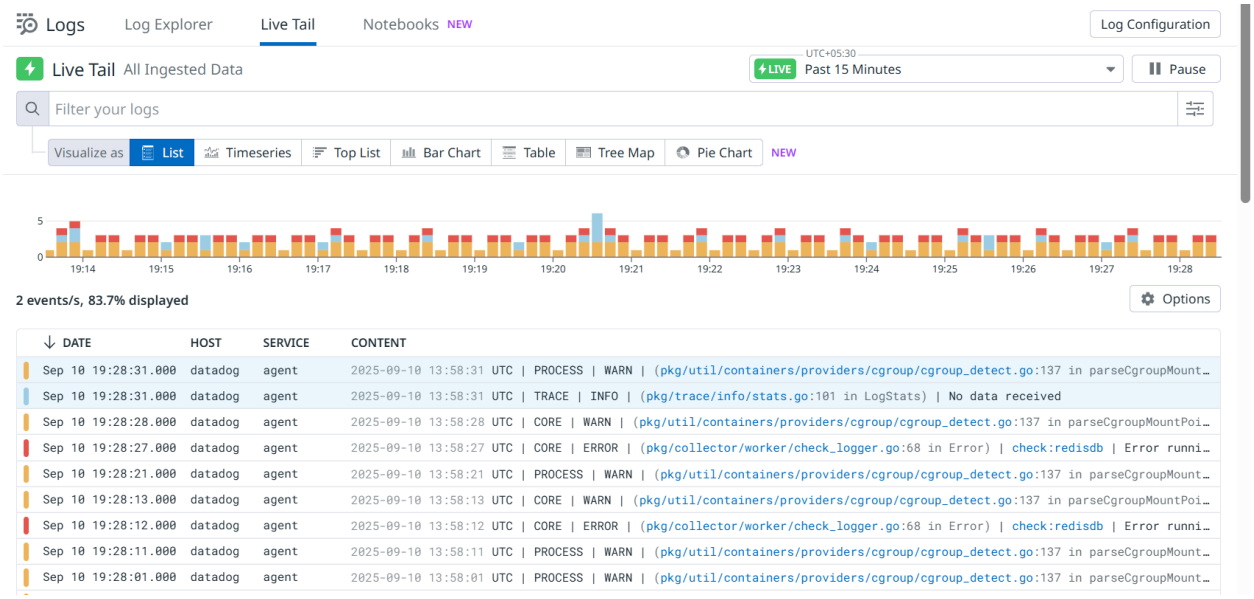
Downtime schedule



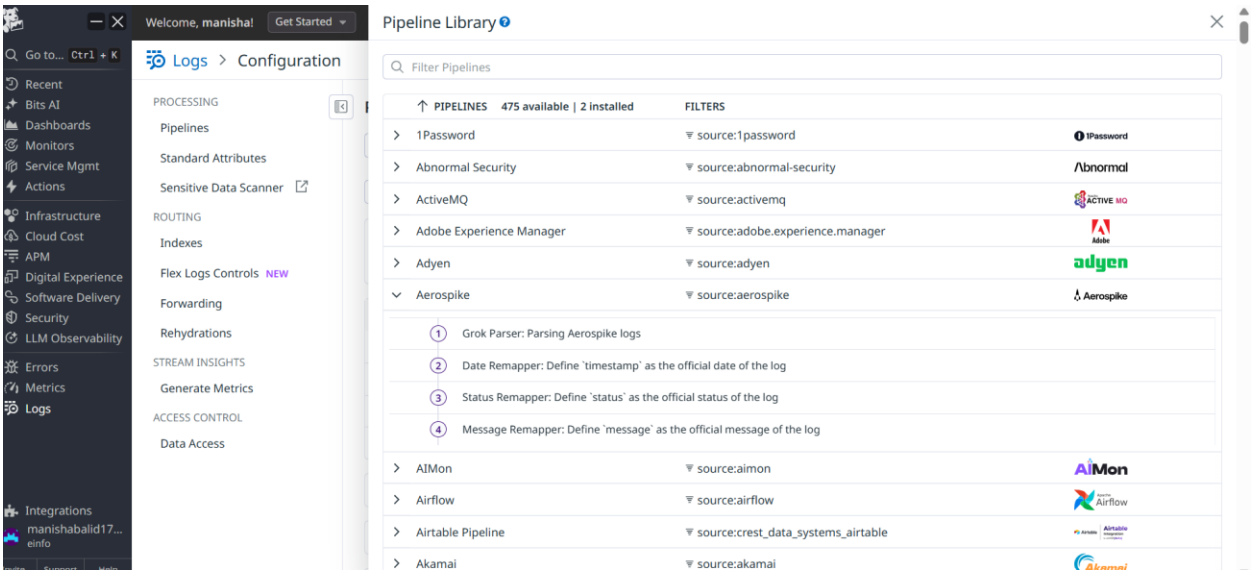


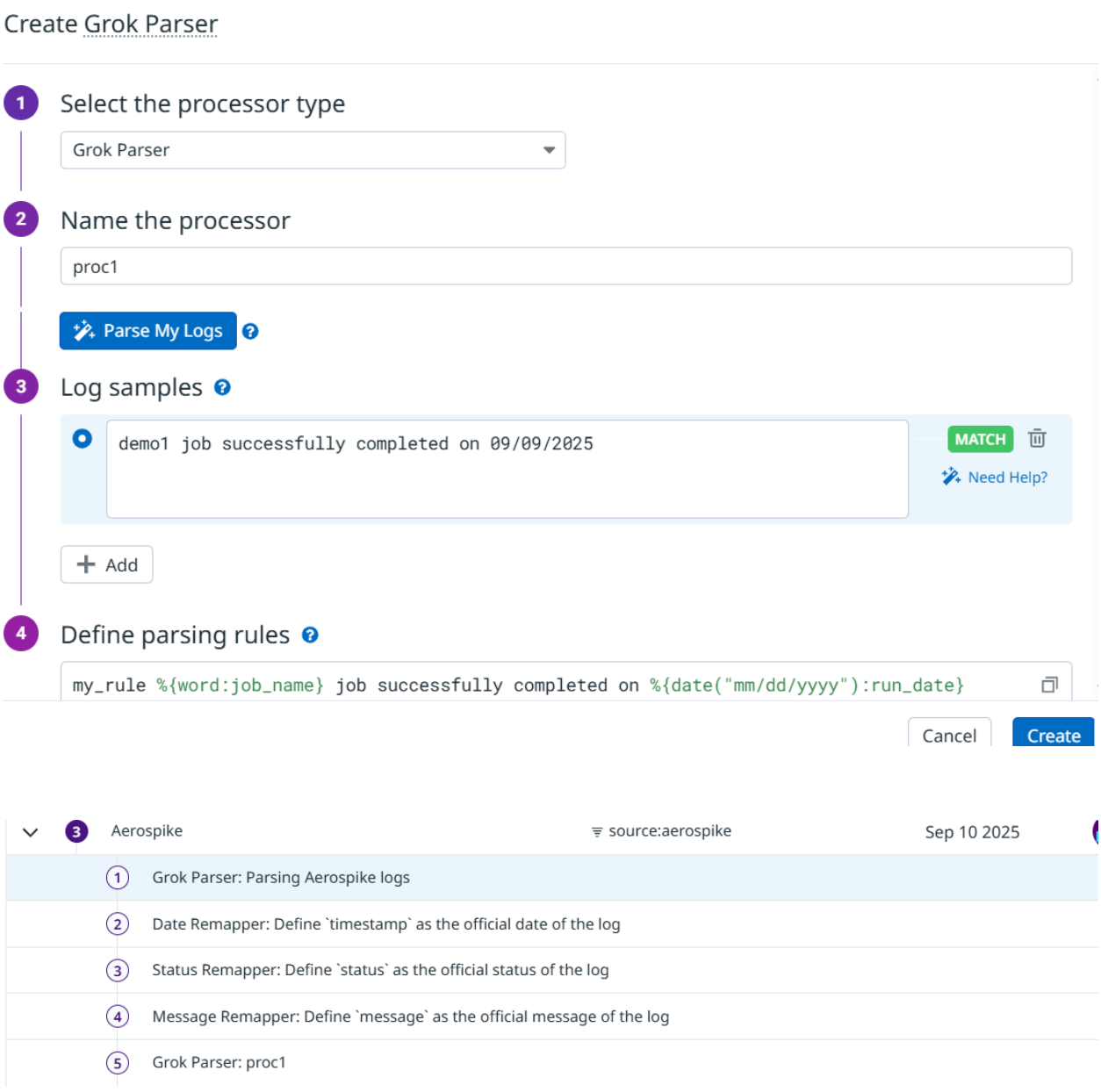
Containerized Logs

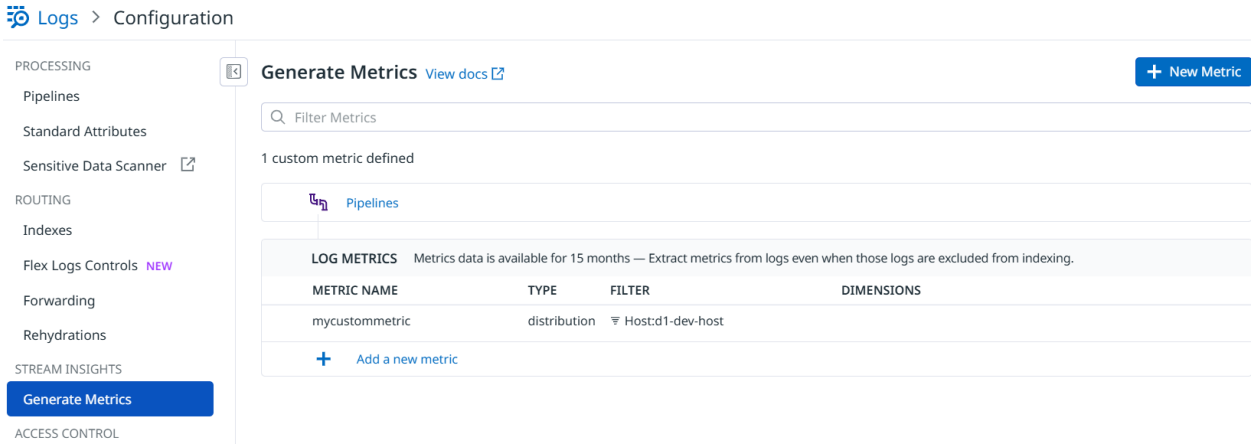




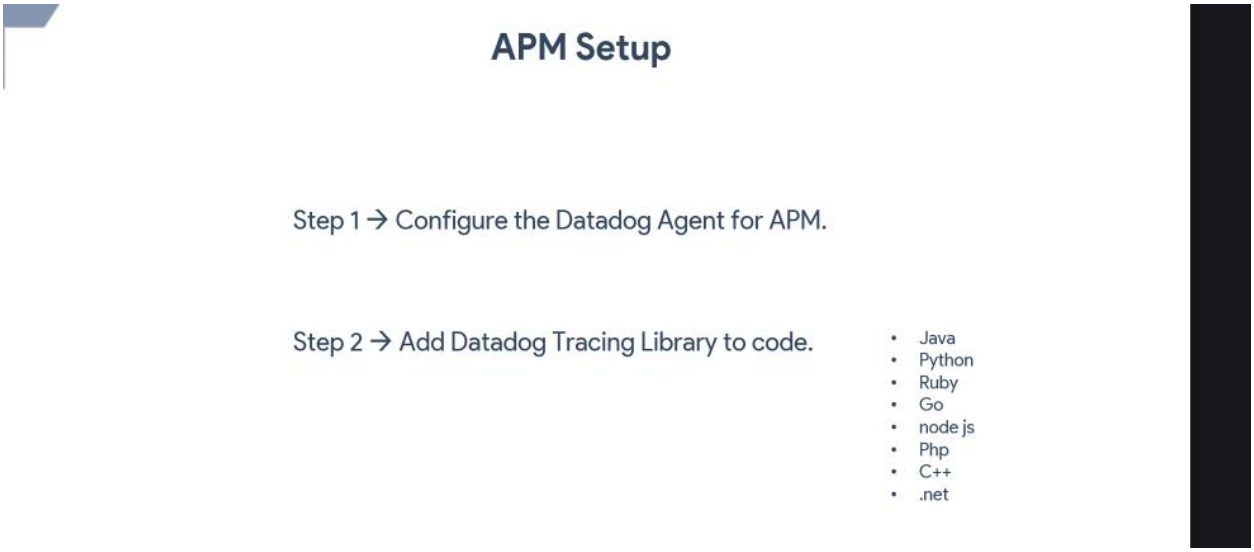
Log pipeline

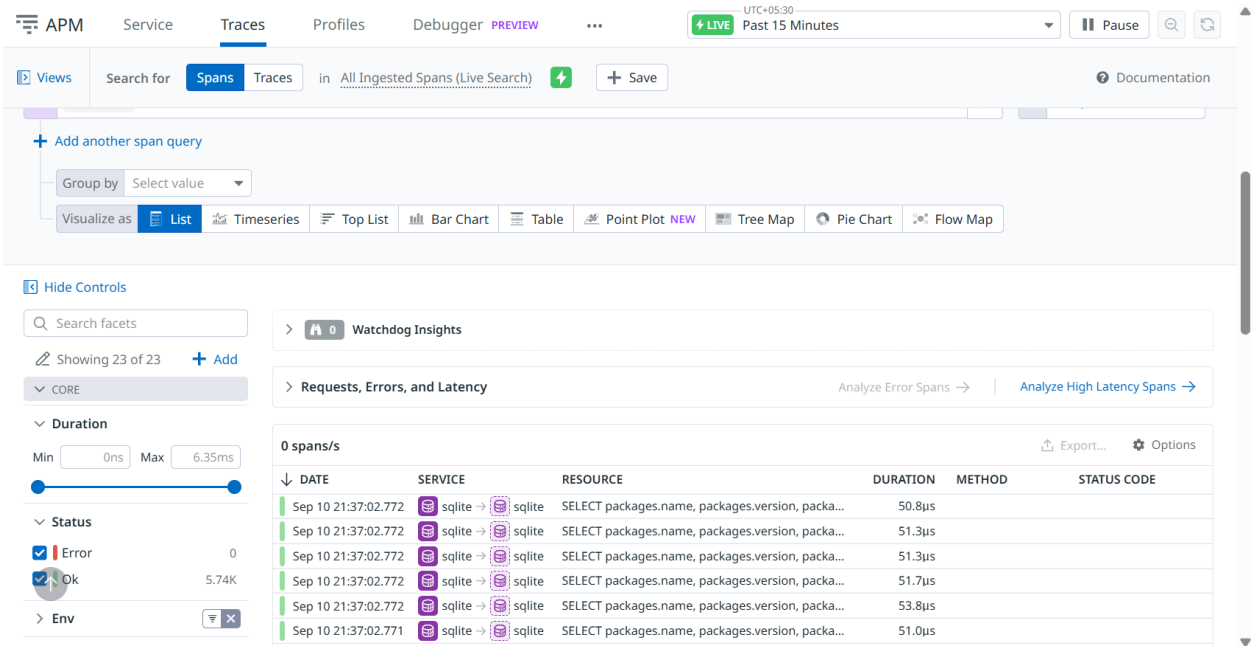



Create Grok Parser
1
Select the processor type
Grok Parser
2
Name the processor
proc1
Parse My Logs
3
Log samples
demo1 job successfully completed on 09/09/2025
MATCH
Need Help?
Add
4
Define parsing rules
my_rule %{word:job_name} job successfully completed on %{date("mm/dd/yyyy"):run_date}
Cancel
Create
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

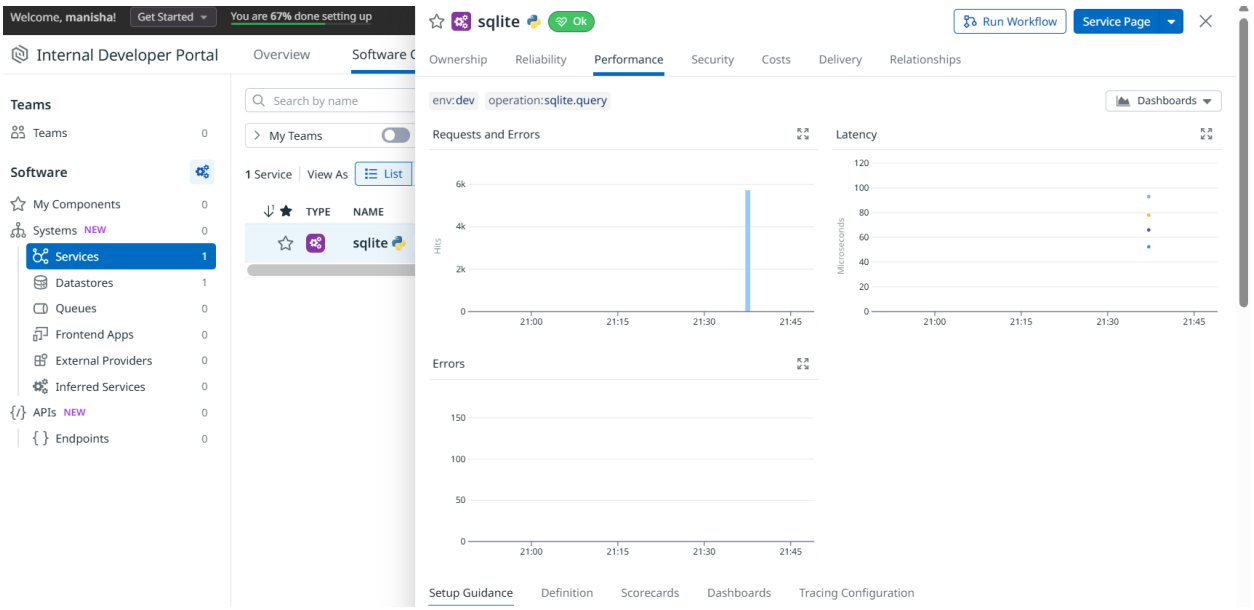

Logs > Configuration
PROCESSING
Pipelines
Standard Attributes
Sensitive Data Scanner
ROUTING
Indexes
Flex Logs Controls NEW
Forwarding
Rehydrations
STREAM INSIGHTS
Generate Metrics
ACCESS CONTROL
Generate Metrics View docs
New Metric
Filter Metrics
1 custom metric defined
Pipelines
LOG METRICS Metrics 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
Add a new metric

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
LIVE
Past 15 Minutes
Pause
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
0ns
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
Internal Developer Portal
Overview
Software C
Teams
Teams
0
Software
My Components
0
Systems NEW
0
Services
1
Datastores
1
Queues
0
Frontend Apps
0
External Providers
0
Inferred Services
0
APIs NEW
0
Endpoints
0
Search by name
My Teams
1 Service
View As
List
TYPE
NAME
sqlite
sqlite
Ok
Run Workflow
Service Page
Ownership
Reliability
Performance
Security
Costs
Delivery
Relationships
env:dev
operation:sqlite.query
Dashboards
Requests and Errors
Hits
6k
4k
2k
0
21:00
21:15
21:30
21:45
Latency
Microseconds
120
100
80
60
40
20
0
21:00
21:15
21:30
21:45
Errors
150
100
50
0
21:00
21:15
21:30
21:45
Setup Guidance
Definition
Scorecards
Dashboards
Tracing Configuration