D Dashboard Editing metricbeat_CPU ∨

Options   Share   Save as   Switch to view mode   Save

⊟ – + Add filter

📱 Create visualization   [T] ⊛   All types ∨   📁 Add from library

Load Average ⚙

0.15

CPU Usage ⚙

0.007%

Free Disk Space ⚙

71.502%

Uptime ⚙

12.06 days

[No Title]

Number of processes ⚙

27

Available Memory ⚙

1.8GB

MySQL status ⚙

DOWN

PING ⚙

OK

CPU ⚙

0.007
0.006
0.005
0.004
0.003
0.002
0.001
0

CPU Usage

15:34:00 15:36:00 15:38:00 15:40:00 15:42:00 15:44:00 15:46:00 15:48:00

● CPU Usage

System load ⚙

0.3
0.25
0.2
0.15
0.1
0.05
0

15:34:00 15:36:00 15:38:00 15:40:00 15:42:00 15:44:00 15:46:00 15:48:00
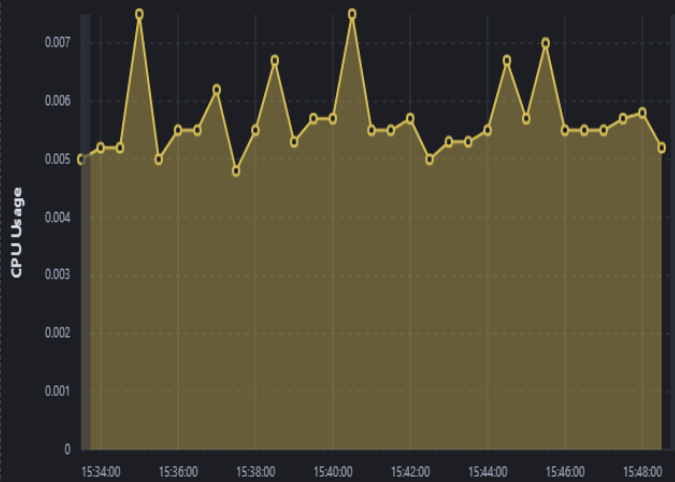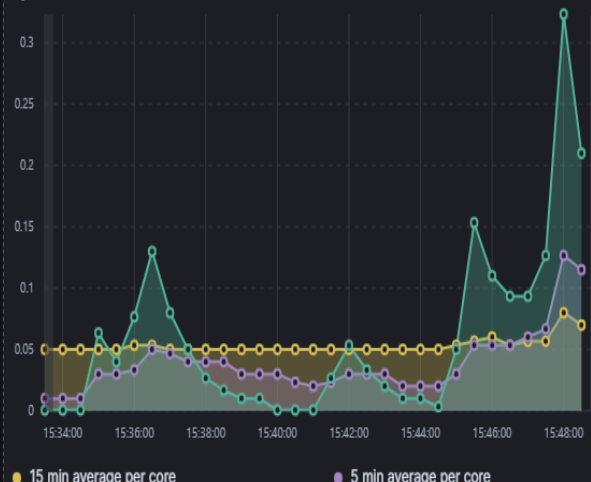
● 15 min average per core   ● 5 min average per core
● 1 min average per core

Available Memory ⚙

3.7GB
3.3GB
2.8GB
2.3GB
1.9GB
1.4GB
953.7MB
476.8MB
0B

15:34:00 15:36:00 15:38:00 15:40:00 15:42:00 15:44:00 15:46:00 15:48:00
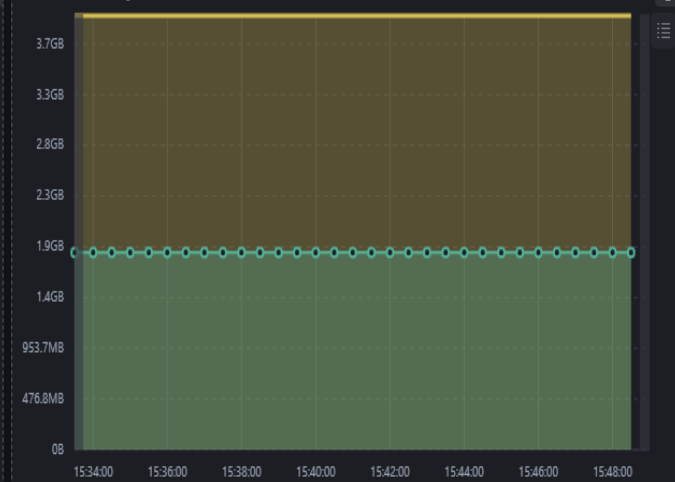
● Total Memory   ● Available Memory
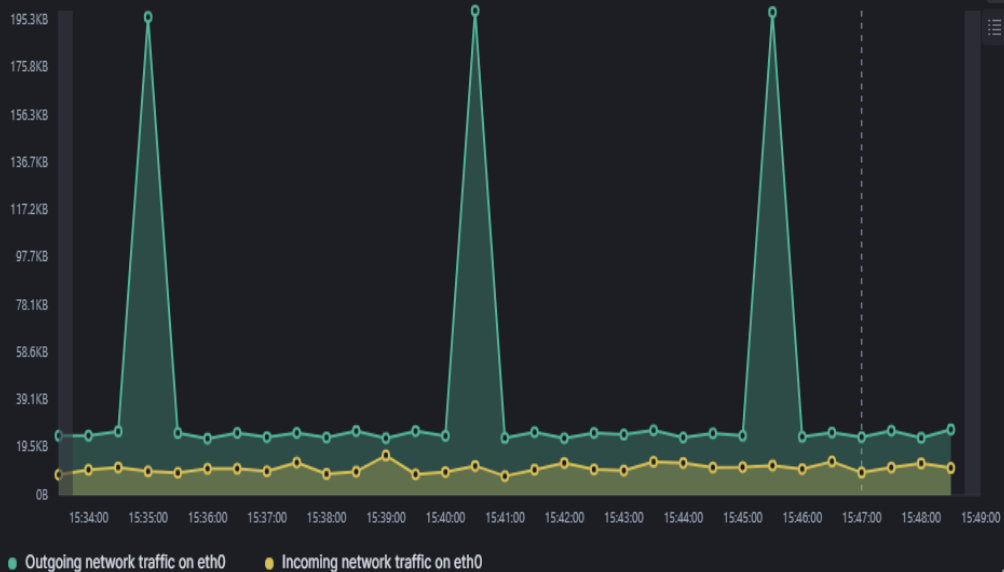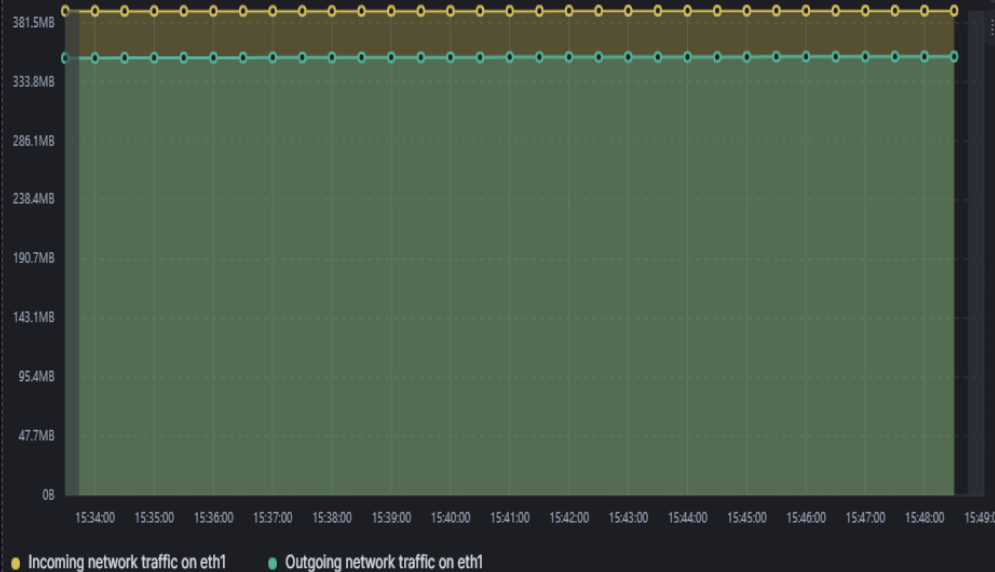
Load Average(1,5,15m)

0.058 0.039 0.053

1 min Load Average   5 min Load Average   15 min Load Average

Used Memory
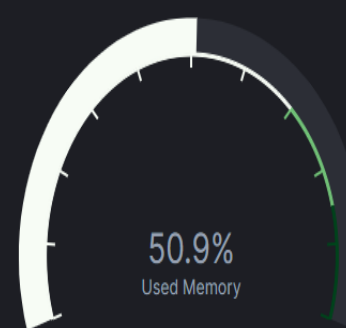
○ 0% - 70%
● 70% - 85%
● 85% - 100%

50.9%
Used Memory

Kinds of processes
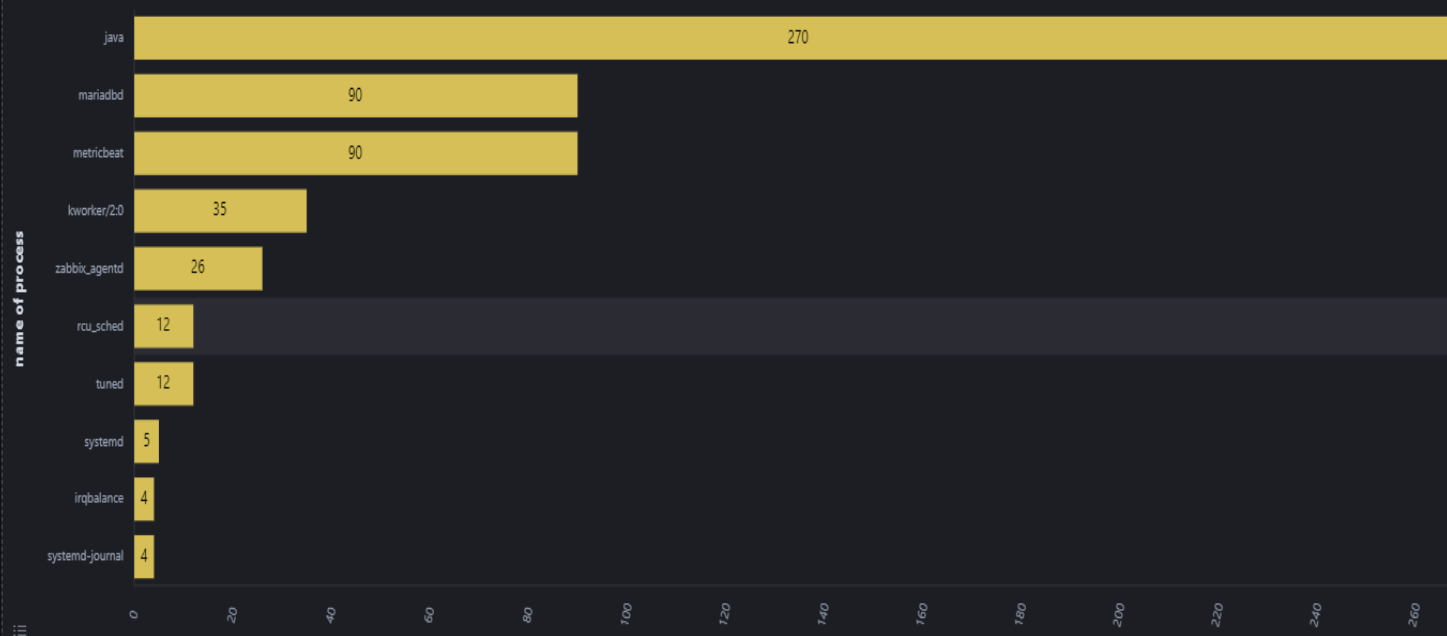
name of process	value
java	270
mariadbd	90
metricbeat	90
kworker/2:0	35
zabbix_agentd	26
rcu_sched	12
tuned	12
systemd	5
irqbalance	4
systemd-journal	4

metricbeat*

Time field: '@timestamp'

View and edit fields in **metricbeat***. Field attributes, such as type and searchabil

Fields (24 / 3114)   Scripted fields (0)   Field filters (0)

🔍 load

Name ↑

apache.status.cpu.load

apache.status.load.1

apache.status.load.15

apache.status.load.5

envoyproxy.server.runtime.load_error

envoyproxy.server.runtime.load_success

haproxy.stat.load_balancing_algorithm

kubernetes.service.load_balancer_ip

load_1_5_15 📝

mongodb.metrics.replication.preload.docs.count

Edit field 'load_1_5_15'

Index pattern: *metricbeat**

Name
load_1_5_15

Type
Double ⌄

⊗ **Set custom label**

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

✓ **Set value**

Set a value for the field instead of retrieving it from the field with the same name in `_source` .

Define script

```
1    if (doc['system.load.1'].size()!=0)
2    return emit(
3    doc['system.load.1'].value+
4    doc['system.load.5'].value+
5    doc['system.load.15'].value
6    );
```

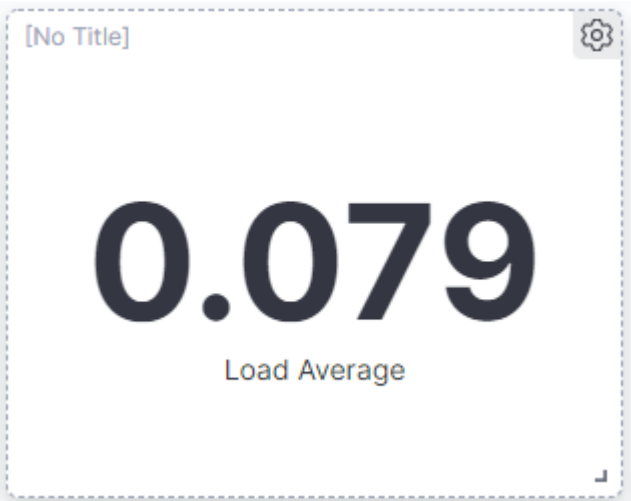여러 행 더하기

Preview

From: metricbeat*

Document ID

gCxewn0BZRD4m2_f3NQM

[<] [>]

🔍 Filter fields

load_1_5_15	0.060000000000000005
@timestamp	2021-12-16T08:32:10.622Z
agent.ephemeral_id	716a3c73-b2f5-43f2-881...
agent.hostname	iShark
agent.id	91463df5-87ca-46c2-85...
agent.name	iShark
agent.type	metricbeat
agent.version	7.15.1

Show more

[No Title]   ⚙

0.079

Load Average

결과값

system.filesystem.free	long
system.filesystem.free_files	long
system.filesystem.mount_point	keyword
system.filesystem.total	long

둘 다 long 타입(정수)이라서 둘을 나눌 때, 값이 "0"으로 뜬다 -> 따라서 50.98 같은 꼴의 값을 구할 수 없다.

metricbeat*

Time field: '@timestamp'

View and edit fields in **metricbeat***. Field attributes, such as type and searchabil

Fields (3116)   Scripted fields (0)   Field filters (0)

Q Search

Name ↑

@timestamp ⏱

Free Disk Space 📑

_id

_index

_score

Edit field 'Free Disk Space'
Index pattern: *metricbeat**

Name

Free Disk Space

Type

Double

⊗ **Set custom label**

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

✓ **Set value**

Set a value for the field instead of retrieving it from the field with the same name in `_source`.

Define script

```
1  if (doc['system.filesystem.free'].size()!=0)
2  return emit(
3  doc['system.filesystem.free'].value
4  );
```

System.filesystem.free를 Double 타입(실수)로 바꾸고

Edit field 'free_disk_space'

Index pattern: *metricbeat**

Name

free_disk_space

Type

Double

Set custom label

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

Set value

Set a value for the field instead of retrieving it from the field with the same name in `_source`.

Define script

```
1  if (doc['system.filesystem.free'].size()!=0)
2    return emit(
3  doc['system.filesystem.total'].value
4  );
```

List on left side:

aerospike.namespace.memory.free.pct

couchbase.cluster.hdd.free.bytes

couchbase.node.memory.free.bytes

elasticsearch.node.stats.fs.summary.free.bytes

free_disk_space

free_disk_space2

golang.heap.allocations.frees

haproxy.info.pipes.free

kubernetes.container.logs.inodes.free

kubernetes.node.fs.inodes.free

kubernetes.volume.fs.inodes.free

linux.memory.hugepages.free

linux.memory.page.stats.pgfree.pages

System.filesystem.total를 Double 타입(실수)로 바꾼다.

aerospike.namespace.memory.free.pct

couchbase.cluster.hdd.free.bytes

couchbase.node.memory.free.bytes

elasticsearch.node.stats.fs.summary.free.bytes

free_disk_space

free_disk_space2

golang.heap.allocations.frees

haproxy.info.pipes.free

kubernetes.container.logs.inodes.free

kubernetes.node.fs.inodes.free

kubernetes.volume.fs.inodes.free

linux.memory.hugepages.free

linux.memory.page_stats.pgfree.pages

Edit field 'free_disk_space2'

Index pattern: *metricbeat**

Name

free_disk_space2

Type

Double

Set custom label

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

Set value

Set a value for the field instead of retrieving it from the field with the same name in `_source`.

Define script

```
1  if (doc['system.filesystem.free'].size()!=0)
2  return emit(
3  (doc['Free Disk Space'].value /
4  doc['free_disk_space'].value) *100
5  );
```
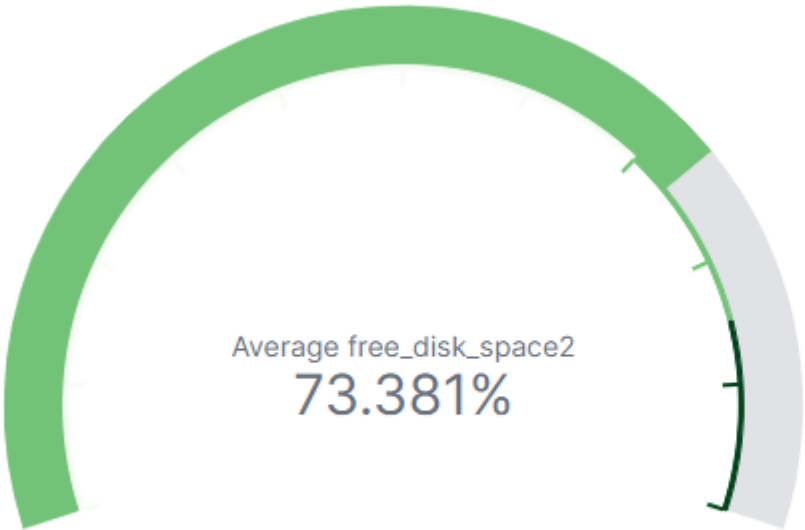
두 행 나누기

0% - 70%
70% - 85%
85% - 100%

Average free_disk_space2
73.381%

Average free_disk_space2

결과값

결과값

and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

Set format

Set your preferred format for displaying the value. Changing the format can affect the value and prevent highlighting in Discover.

Format (Default: `Number`)

Duration

Input format

Milliseconds

Output format

Days

Decimal places

Show suffix

✕ Use short suffix

Preview
From: metricbeat*

Document ID

gyxewn0BZRD4m2_f3NQM

◁   ▷

Filter fields

system.uptime.duration....	7.14 days
@timestamp	2021-12-16T08:32:10.627Z
agent.ephemeral_id	716a3c73-b2f5-43f2-881...
agent.hostname	iShark
agent.id	91463df5-87ca-46c2-85...
agent.name	iShark
agent.type	metricbeat
agent.version	7.15.1

Update   ⚙   ⚙

11.81 days

Uptime

결과값

Create field

Index pattern: *metricbeat*

Name

MySQL status

Type

Keyword ⌄

⊗ ✕ **Set custom label**

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.

🔵✓ **Set value**

Set a value for the field instead of retrieving it from the field with the same name in `_source`.

Define script

```
1    if (doc['mysql.status.connections'].size()==0)
2    return emit("DOWN");
3    else
4    return emit("UP");
```

Preview

From: metricbeat*

Document ID

fixewn0BZRD4m2_f3NQM   < >

🔍 Filter fields

MySQL status	DOWN
@timestamp	2021-12-16T08:32:10.619Z
agent.ephemeral_id	716a3c73-b2f5-43f2-881...
agent.hostname	iShark
agent.id	91463df5-87ca-46c2-85...
agent.name	iShark
agent.type	metricbeat
agent.version	7.15.1

Show more

켜져있으면 UP 안켜져있으면 DOWN

Search KQL   📅 ˅ Last 7 days   Show dates   ↻ Refresh

− + Add filter

DOWN

Last MySQL status

---

metricbeat*   ⇥

Data Options

Metrics

˅ Metric

Aggregation   Top Hit help ↗

Top Hit   ˅

Field

MySQL status   ˅

Aggregate with ⓘ   Size ⓘ

Concatenate   ˅   1

결과값

ping 개요

Ping은 네트워크로 연결된 두 호스트 사이에서 연결할 수 있는지 점검하는 진단도구이다.

Edit field 'Ping'
Index pattern: *metricbeat**

Name

Ping

Type

Keyword

Set custom label

Create a label to display in place of the field name in Discover, Maps, and Visualize. Useful for shortening a long field name. Queries and filters use the original field name.
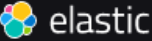
Set value

Set a value for the field instead of retrieving it from the field with the same name in `_source`.

Define script

```
1    if (doc["system.network.in.bytes"].size()!=0)
2    return emit("OK");
3
```

하나라도 켜져있으면 "OK"가 뜨도록 설정

D Dashboard Edit visualization   Inspect   Share   Cancel   Save to library   ✓ Save and return

OK

metricbeat*   ⇒

Data Options

Metrics

⌄ Metric

Aggregation   Top Hit help ⧉

Top Hit   ⌄

Field

Ping   ⌄

Aggregate with �ⓘ   **Size** ⓘ

Concatenate   ⌄   1

Sort on

@timestamp   ⌄

Order

Descending   ⌄

결과값

Save changes to 'load_1_5_15'

⚠ Changing name or type can break searches and visualizations that rely on this field.

Enter CHANGE to continue

Cancel   Save changes

유형을 바꾸고 싶으면 해당창에 CHANGE라고 써주어야 된다.

Remove field 'load_1_5_15'

⚠ Removing fields can break searches and visualizations that rely on this field.

Enter REMOVE to confirm

Cancel   Remove field

삭제하고 싶으면 해당창에 REMOVE라고 써주어야 한다.