

Collect metric from following sources in server1 and send them to elasticsearch. Store them in an index named "server1-metrics". a. Memory usage b. Disk usage c. Load average

### To get the metrics,

Logs >> stream >> live Stream

(and configure setting according to the metrics we need)

### Memory usage

Stream				
Search for log entries... (e.g. host.name:host-1)				
Customize	Highlights	Last 1 day	Stop streaming	
Nov 30, 2021	system.memory.actual.used.pct	system.memory.actual.free	system.memory.actual.used.bytes	
23:39:45.368	0.5918	416894976	604450816	03 AM
23:39:50.368	0.5918	416915456	604430336	06 AM
23:39:55.368	0.5918	416915456	604430336	09 AM
23:40:00.368	0.5918	416915456	604430336	12 PM
23:40:05.367	0.5918	416915456	604430336	03 PM
23:40:10.368	0.5918	416882688	604463104	06 PM
23:40:15.368	0.5918	416907264	604438528	
Last update 4 seconds ago				

The above shown metrics is shown from the live stream.

We have columns of *actual.used.pct*, *actual.free* & *actual.used* for memory

### Disk Usage

Stream				
Search for log entries... (e.g. host.name:host-1)				
Customize	Highlights	Last 1 day	Stop streaming	
Nov 30, 2021	system.fsstat.total_size.free	system.fsstat.total_size.used	system.fsstat.total_size.total	
23:42:30.161	69162606592	16081944576	85244551168	03 AM
23:42:35.161	69162606592	16081944576	85244551168	06 AM
23:42:40.161	69162602496	16081948672	85244551168	09 AM
23:42:45.161	69162602496	16081948672	85244551168	12 PM
23:42:50.161	69162602496	16081948672	85244551168	03 PM
23:42:55.161	69162602496	16081948672	85244551168	
23:43:00.161	69162602496	16081948672	85244551168	

The above shown metrics is shown from the live stream.

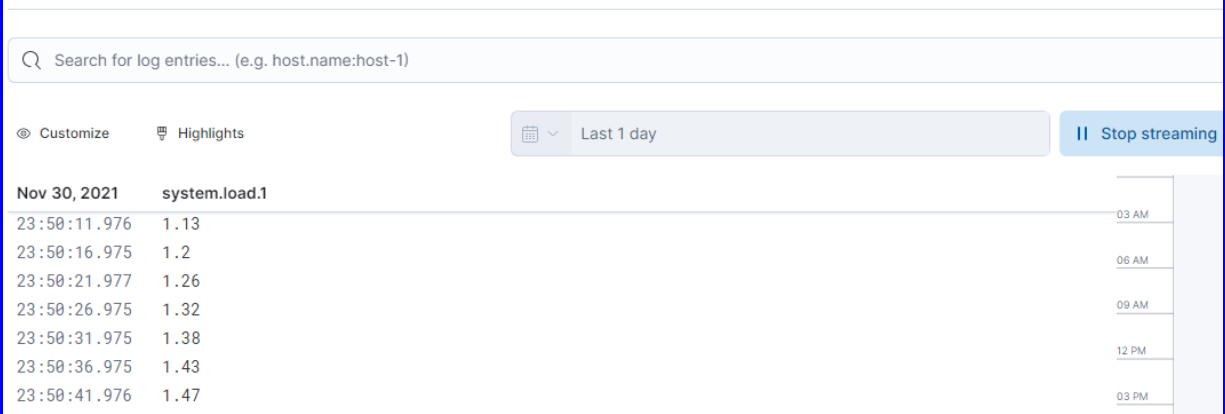
We have columns of *total.size.free*, *total.size.used* & *total.size.total* for fsstat

## Load

*I have run 2 yes command to increase the load of metricbeat server*

```
root@metricbeat:/etc/metricbeat# yes > /dev/null &  
[1] 2516  
root@metricbeat:/etc/metricbeat# yes > /dev/null &  
[2] 2517
```

## Stream



*We can see it has recorded the increasing load metric*

*We have columns of **system.load.1** for load*