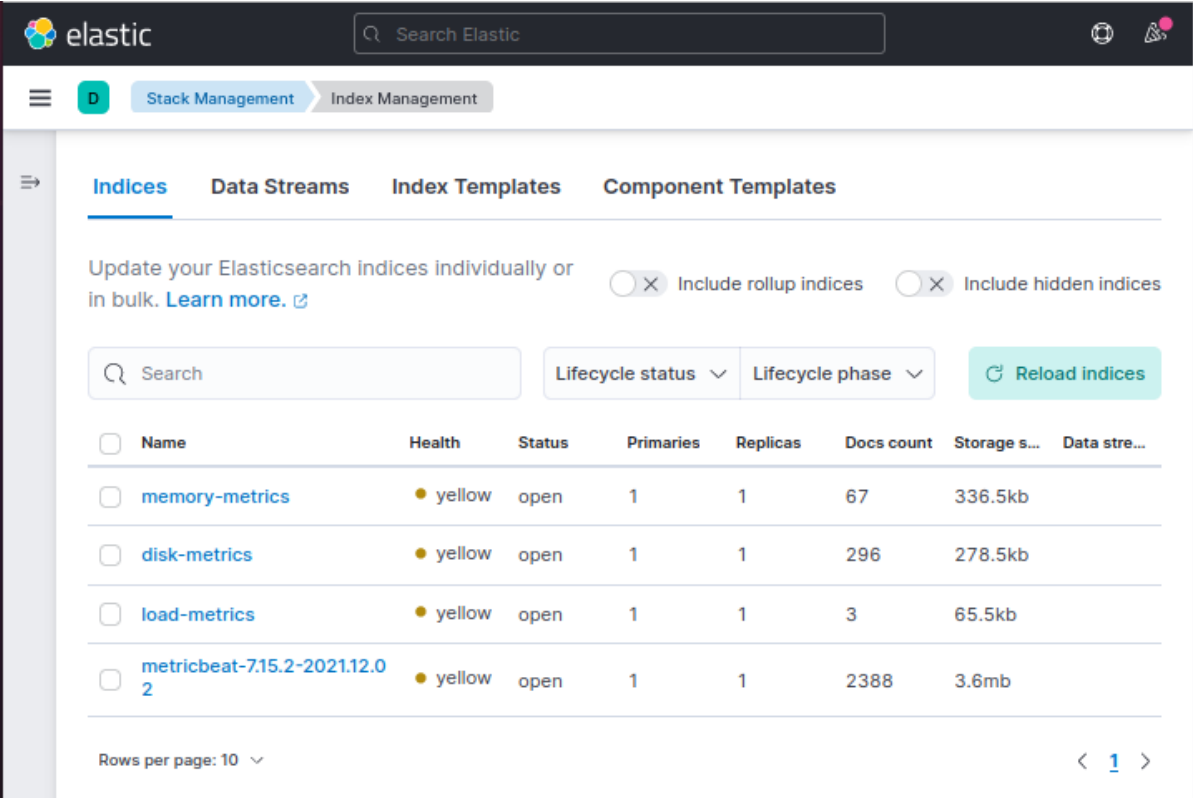


B.

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

Answer:

To get the metrics, we have 3 indices namely; **memory-metrics**, **disk-metrics** and **load-metrics** as shown below;



The screenshot shows the Elastic Stack Management interface, specifically the Index Management section. It displays a table of indices with columns for Name, Health, Status, Primaries, Replicas, Docs count, Storage size, and Data stream. The indices listed are memory-metrics, disk-metrics, load-metrics, and metricbeat-7.15.2-2021.12.02. All indices have a yellow health status and are open.

<input type="checkbox"/>	Name	Health	Status	Primaries	Replicas	Docs count	Storage s...	Data stre...
<input type="checkbox"/>	memory-metrics	● yellow	open	1	1	67	336.5kb	
<input type="checkbox"/>	disk-metrics	● yellow	open	1	1	296	278.5kb	
<input type="checkbox"/>	load-metrics	● yellow	open	1	1	3	65.5kb	
<input type="checkbox"/>	metricbeat-7.15.2-2021.12.02	● yellow	open	1	1	2388	3.6mb	

Data from system memory, disk and load are also verified from the discovery section.

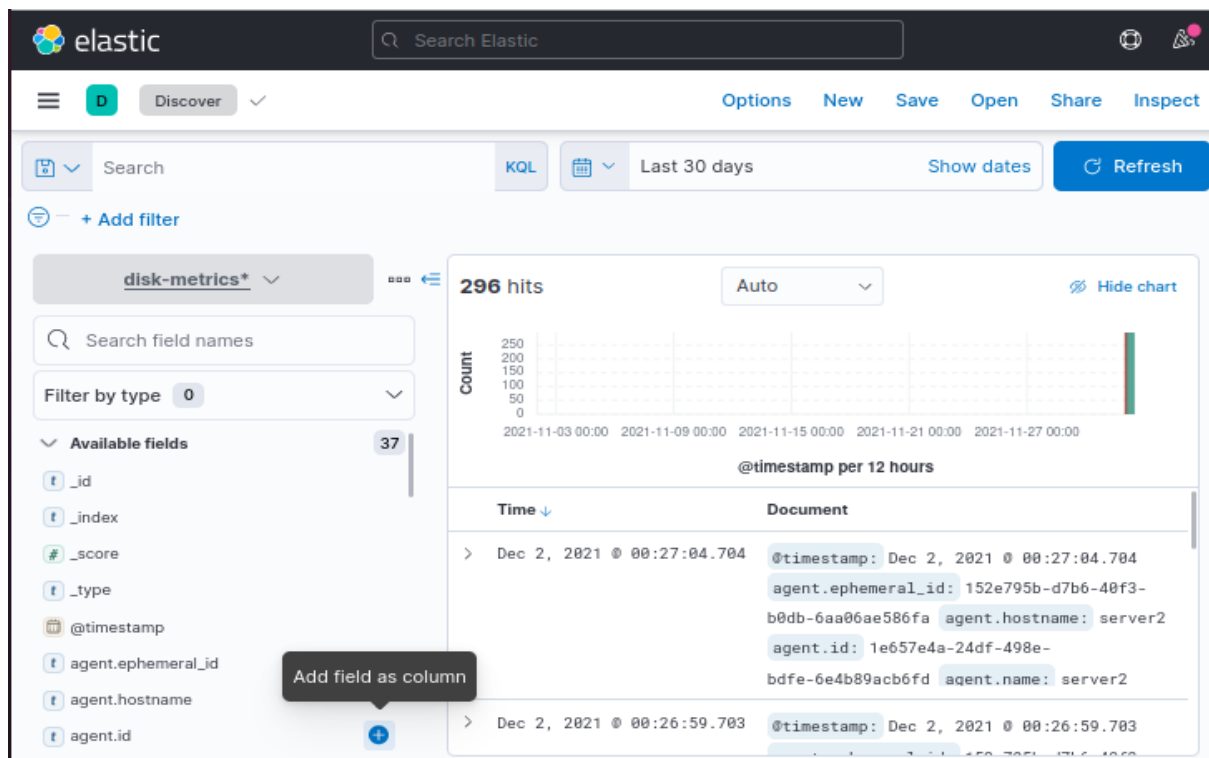


Fig: Data of disk-metrics index

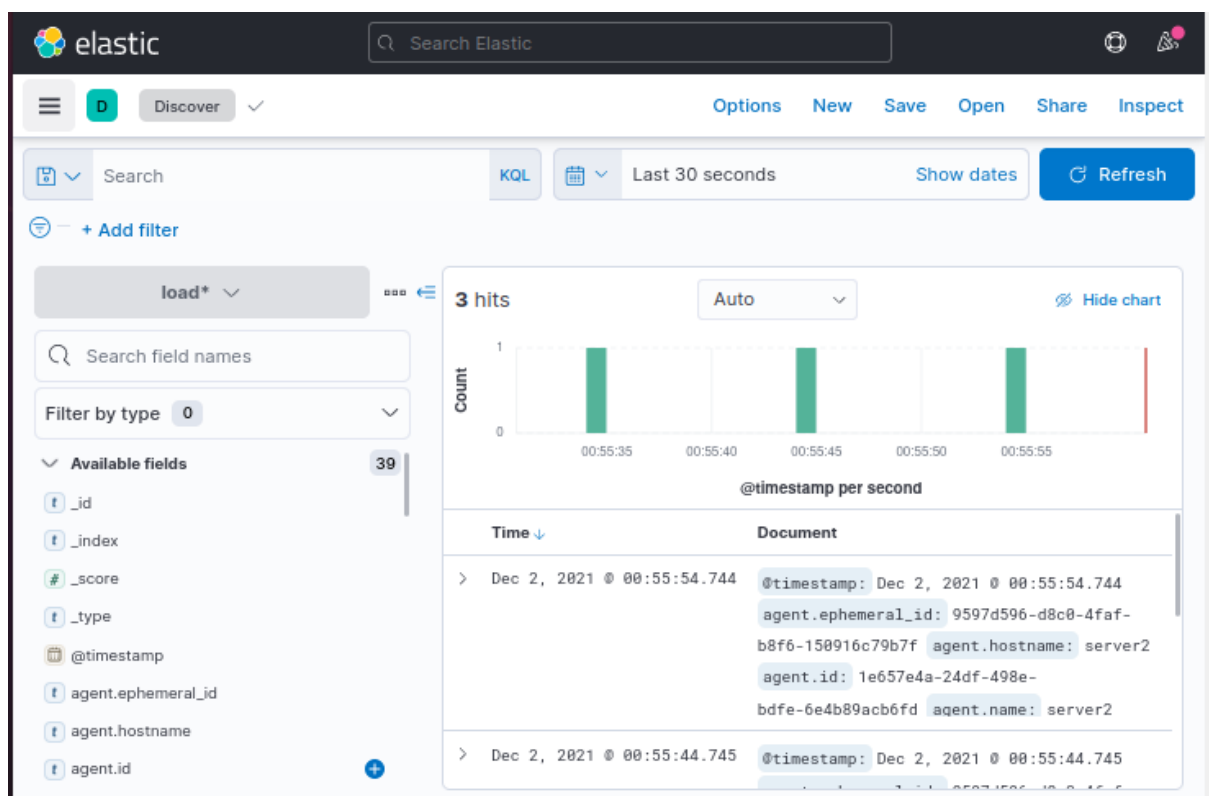


Fig: Data from load-metrics index

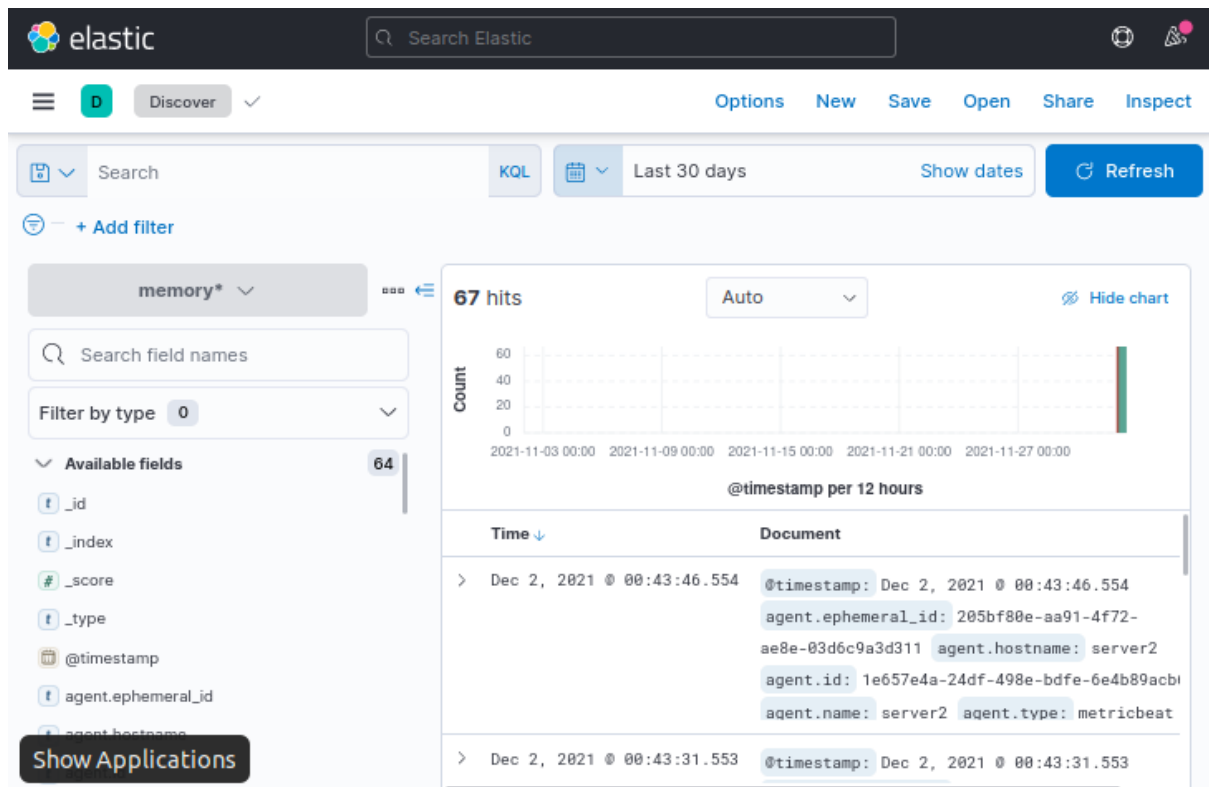
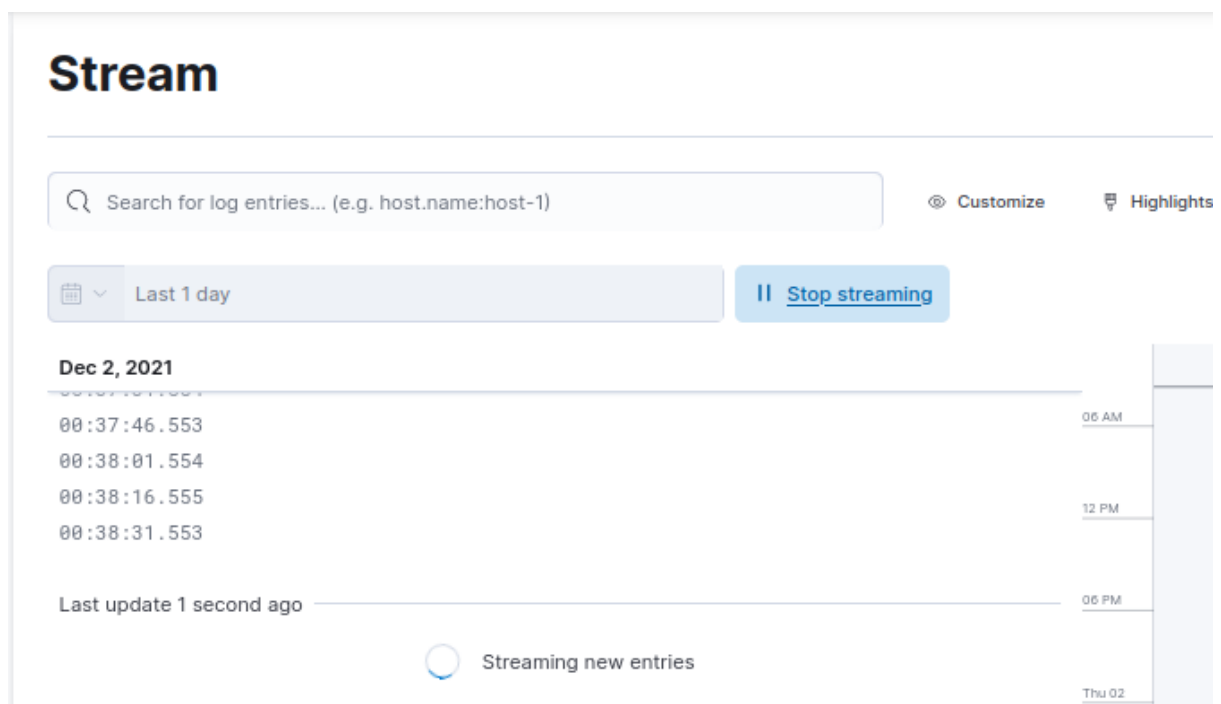


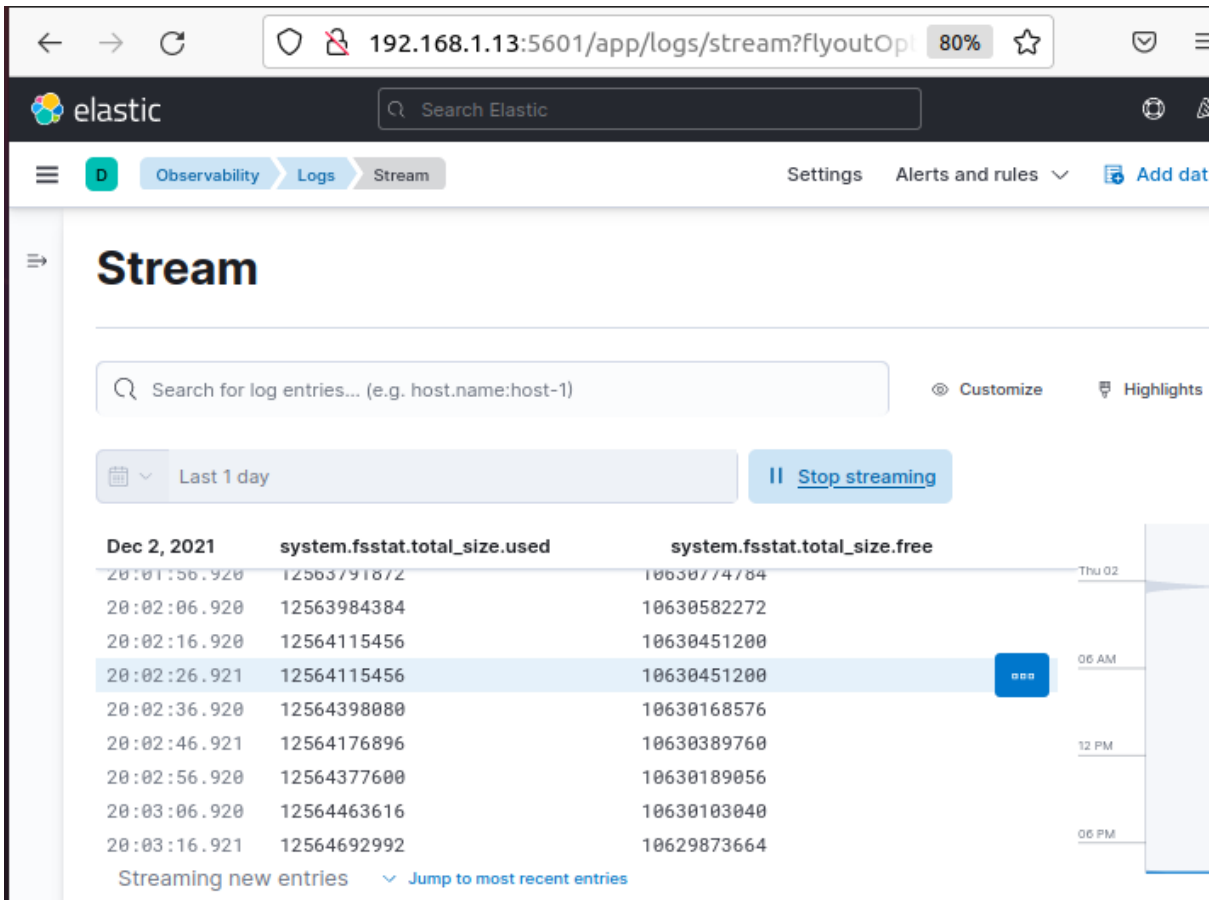
Fig: Data from memory-metrics index

Now, to get the metrics, we check from;
Observability >> Logs >> Stream

And we start the livestream. For **memory usage** we check as follows;



For **Disk Usage**, we have;



For **Load average**, we have;

