wget -q0 - https://artifacts.elastic.co/GPG-KEY-elasticsearch | sudo apt-key add

sudo apt-get install apt-transport-https

echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" | sudo tee /etc/apt/sources.list.d/elastic-7.x.list

sudo apt-get update && sudo apt-get install elasticsearch

nano //etc//elasticsearch//elasticsearch.yml

http.port: 9200

discovery.type: single-node

network.host: 0.0.0.0 xpack.security.enabled: true

xpack.security.authc.api\_key.enabled: true

sudo apt-get install apt-transport-https

echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" | sudo tee -a /etc/apt/sources.list.d/elastic-7.x.list

sudo apt-get update && sudo apt-get install kibana

nano /etc/kibana/kibana.yml

server.port: 5601 server.host: "0.0.0.0"

xpack.encryptedSavedObjects.encryptionKey:

"asfgshdsfhkjhfjkhfkghgnbndaahdgjahjhjaakjkjadjdhhjgdhfghdhdfjajhagh|"

####### configuration of username and password####

### cd //usr//share//elasticsearch

./bin/elasticsearch-setup-passwords interactive

sudo systemctl restart kibana sudo systemctl restart elasticsearch

ıπ	saroj@ubuntu-serv2: ~	Q			_	<b>8</b>
<pre>iaroj@ubuntu-serv2:~\$ systemctl status elasticsearch  Delasticsearch.service - Elasticsearch    Loaded: loaded (/lib/systemd/system/elasticsearch.service; enabled; vendorservice: active (running) since Tue 2021-11-30 11:03:42 PST; 10min ago    Docs: https://www.elastic.co  Main PID: 2414 (java)    Tasks: 80 (limit: 2260)    Memory: 883.6M    CGroup: /system.slice/elasticsearch.service</pre>						
Nov 36	0 11:03:13 ubuntu-serv2 systemd[1]: Starting Elastics 11:03:20 ubuntu-serv2 systemd-entrypoint[2414]: WAR 11:03:20 ubuntu-serv2 systemd-entrypoint[2414]: WAR 11:03:20 ubuntu-serv2 systemd-entrypoint[2414]: WAR 11:03:20 ubuntu-serv2 systemd-entrypoint[2414]: WAR 11:03:25 ubuntu-serv2 systemd-entrypoint[2414]: WAR 11:03:42 ubuntu-serv2 systemd[1]: Started Elasticse 1-21/21 (END)	NING: NING: NING: NING: NING: NING: NING:	A ter Syste Pleas Syste A ter Syste Pleas	em::s se co em::s mina em::s	etSeconside etSeconside lly consider	cu> er> cu> de> cu> er>







########allow ports of kibana and elastic search##########
ufw allow 9200/tcp
ufw allow 5601/tcp
ufw reload

in elk server
sudo ufw allow from 172.16.59.130/24 to any port 9200
###from second server test the port
telnet 192.16.59.131 9200
connected
quit
#############for templete####
sudo apt install metricbeat
sudo nano /etc/metricbeat/metricbeat.yml
output.elasticsearch:
 hosts: ["localhost:9200"]
 username: "elastic"
 password: "123456"

systemctl restart metricbeat

sudo metricbeat setup --index-management -E output.logstash.enabled=false -E
'output.elasticsearch.hosts=["localhost:9200"]'

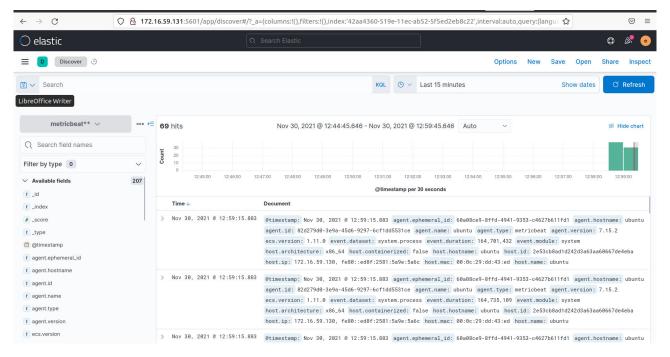
echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" | sudo tee -a /etc/apt/sources.list.d/elastic-7.x.list

sudo apt update
sudo apt install metricbeat
sudo nano /etc/metricbeat/metricbeat.yml
output.elasticsearch:

hosts: ["172.16.59.131:9200"]

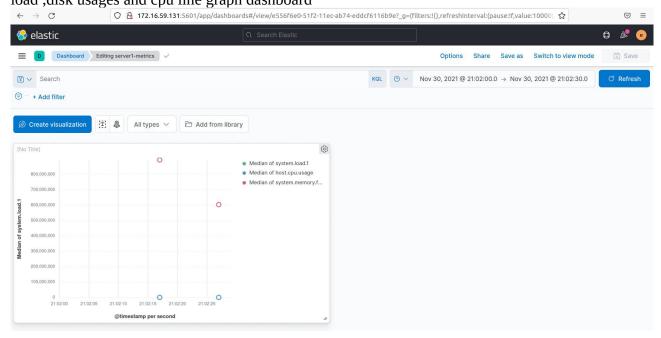
username: "elastic" password: "123456"

### systemctl restart metricbeat



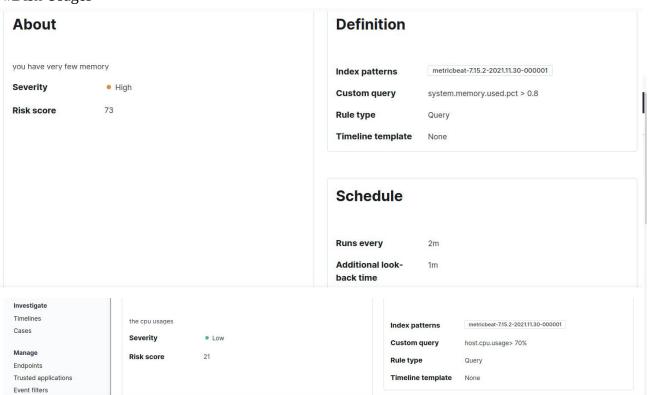
########

1)
########created dashboard#######
load ,disk usages and cpu line graph dashboard

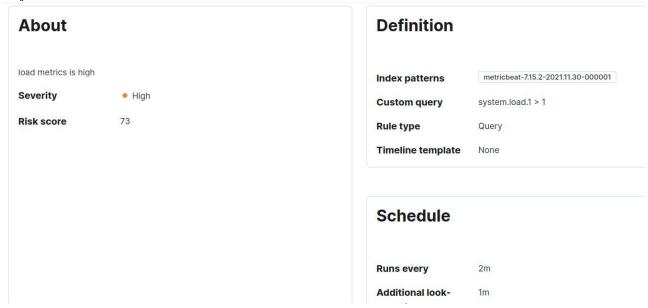


#cpu rule

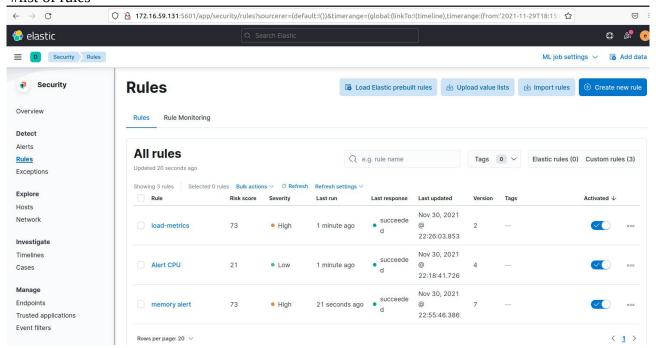
# **#Disk Usages**



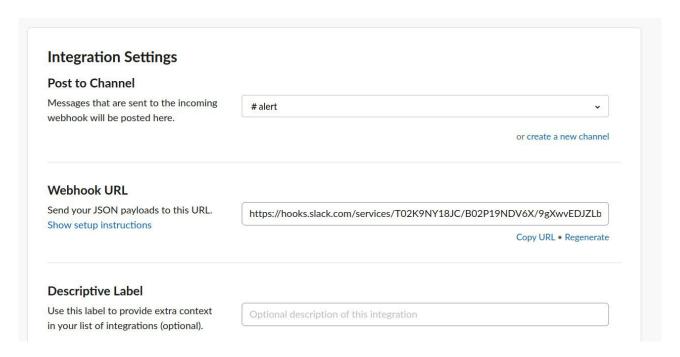
# #System Load



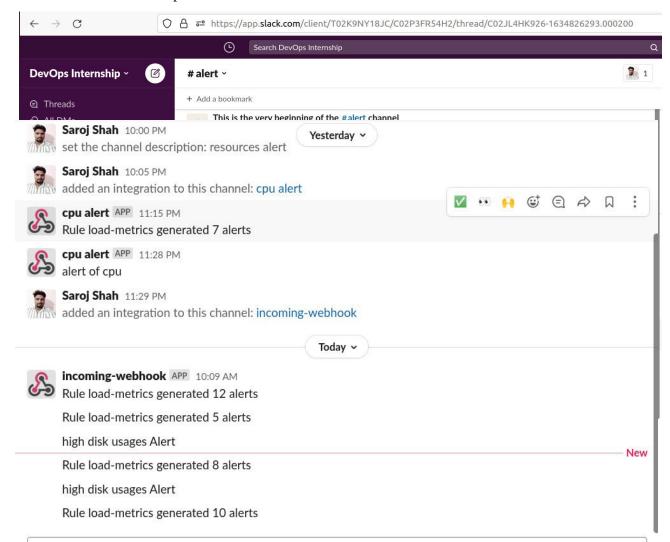
# #list of rules



2)
########after activating the rules .....Alert in slack of load and cpu#################################
> taking free trail for alerting
>creating a channel and webhook url



### Alert on slack load and cpu



###Alert of disk usages