#### # First Install java

To set **JAVA\_HOME** edit file **/etc/environment** and add the content shown below in comments

sudo apt-get update

sudo add-apt-repository ppa:webupd8team/java

sudo apt-get update

sudo apt-get install oracle-java8-installer

java -version

echo $JAVA\_HOME

sudo vi /etc/environment

#PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games"

#JAVA\_HOME="/usr/lib/jvm/java-8-oracle"

source /etc/environment

echo $JAVA\_HOME

#### # Install Elasticsearch-6

curl -L -O https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-6.0.1.tar.gz

echo "deb https://artifacts.elastic.co/packages/6.x/apt stable main" | sudo tee -a /etc/apt/sources.list.d/elastic-6.x.list

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

ls /etc/init.d/elasticsearch

sudo service elasticsearch status

#### # Change bind address and JVM heap option as per requirement

Change **network.host** to **0.0.0.0** in elasticsearch.yml and set **-Xms 4g** & **-Xmx 4g** in jvm.options

sudo vi /etc/elasticsearch/elasticsearch.yml

sudo vi /etc/elasticsearch/jvm.options

#### # Setting read replicas to 0 if you are creating single node cluster

curl -XPUT H 'Content-Type: application/json' 'http://localhost:9200/\_all/\_settings?preserve\_existing=false' -d '{"index.number\_of\_replicas" : "0"}'

#### # Install Kibana

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

sudo service kibana restart

#### # Install nginx

sudo apt-get -y install nginx

#### # Add nginx config file for kibana

sudo vi /etc/nginx/conf.d/kibana.conf

Replace **mykibana.com** with your server\_name or IP. We will setup auth in next step, hence we have placed a line for **auth\_basic** in **kibana.conf**

server {

listen 80;

server\_name mykibana.com;

auth\_basic "Restricted Access";

auth\_basic\_user\_file /etc/nginx/htpasswd.users;

location / {

proxy\_pass http://localhost:5601;

proxy\_http\_version 1.1;

proxy\_set\_header Upgrade $http\_upgrade;

proxy\_set\_header Connection 'upgrade';

proxy\_set\_header Host $host;

proxy\_cache\_bypass $http\_upgrade;

}

}

#### # Setup auth

After installing **apache2-utils** when you run **htpasswd**, it will ask for a password, provide a password. This username and password would be useful when you try to access kibana from browser.

sudo apt-get install apache2-utils

sudo htpasswd -c /etc/nginx/htpasswd.users efkadmin

sudo service nginx restart

#### # Web view of Kibana

After successful Setup, hit the IP of kibana. Put username and password and you will see kibana web as shown below.