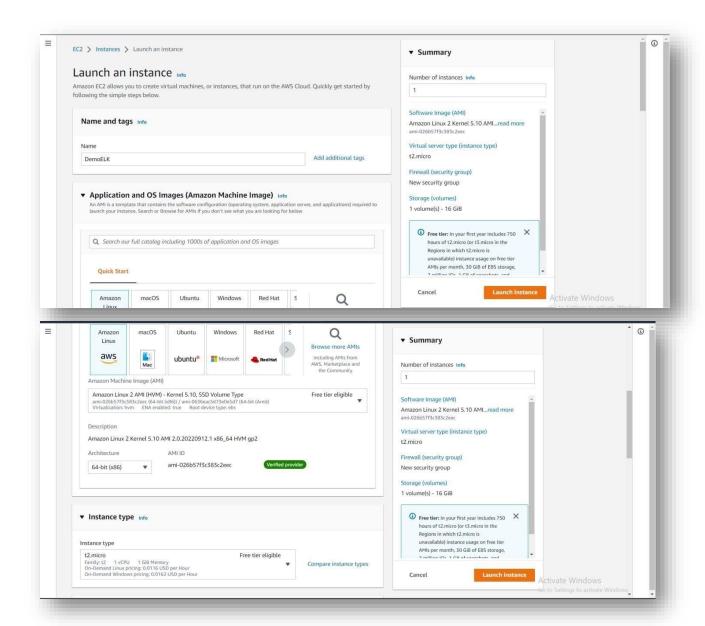
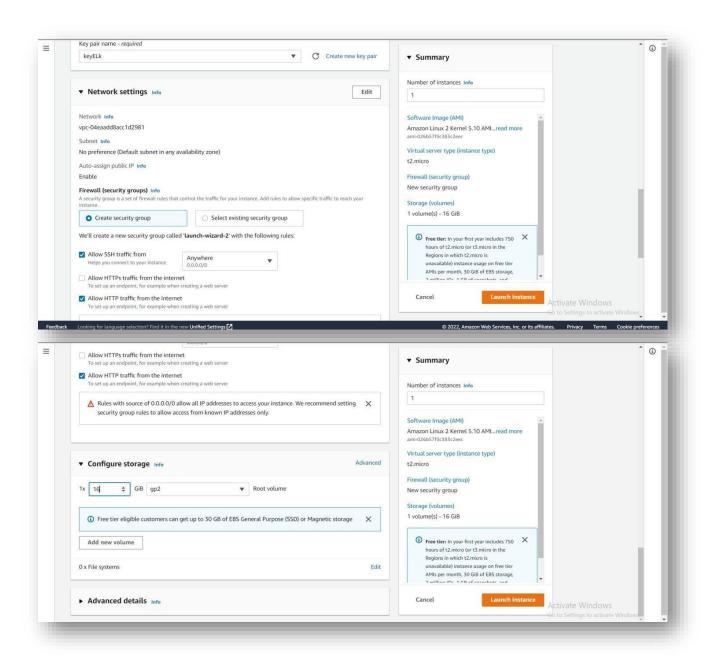
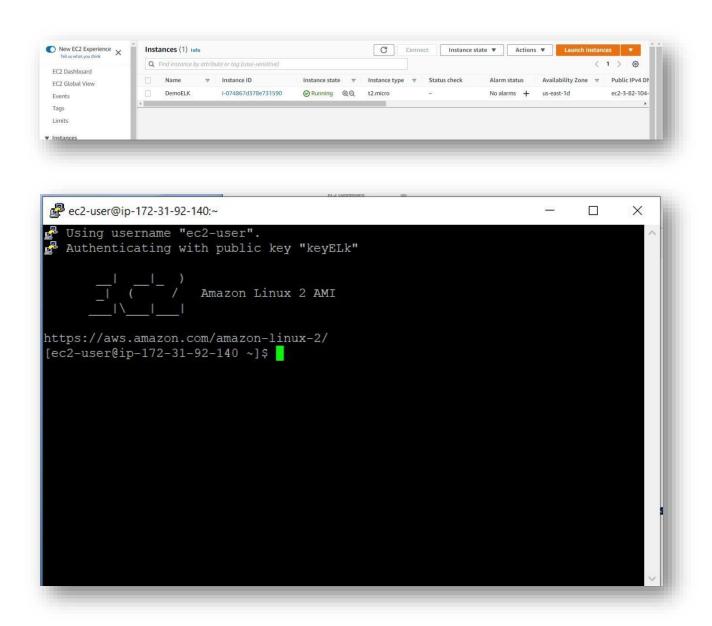
Output for Deploying ELK Stack on Docker Container

First we need to create an EC2- instance:





Now connect to the instance using putty:



Now follow the following step:

Step1: Install java and its Dependencies

```
ec2-user@ip-172-31-92-140:~
  Using username "ec2-user"
  Authenticating with public key "keyELk"
                     Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-92-140 ~]$ java -version
-bash: java: command not found
[ec2-user@ip-172-31-92-140 ~]$ sudo yum -y install java-1.8.0-openjdk
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
amzn2-core
                                                           | 3.7 kB
Resolving Dependencies
--> Running transaction check
---> Package java-1.8.0-openjdk.x86 64 1:1.8.0.342.b07-1.amzn2.0.1 will be insta
--> Processing Dependency: java-1.8.0-openjdk-headless(x86-64) = 1:1.8.0.342.b07
-1.amzn2.0.1 for package: 1:java-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: xorg-x11-fonts-Type1 for package: 1:java-1.8.0-openjd
k-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libjvm.so(SUNWprivate_1.1)(64bit) for package: 1:java
-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libjava.so(SUNWprivate_1.1)(64bit) for package: 1:jav
a-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libasound.so.2(ALSA 0.9.0rc4)(64bit) for package: 1:j
ava-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2(ALSA \overline{0}.9)(64bit) for package: 1:java-1
.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86 64
 --> Processing Dependency: libXcomposite(x86-64) for package: 1:java-1.8.0-openj
dk-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: gtk2(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.
342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: fontconfig(x86-64) for package: 1:java-1.8.0-openjdk-
1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libjvm.so()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86_64
--> Processing Dependency: libjava.so()(64bit) for package: 1:java-1.8.0-openjdk
-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libgif.so.4()(64bit) for package: 1:java-1.8.0-openjd
k-1.8.0.342.b07-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2()(64bit) for package: 1:java-1.8.0-ope
njdk-1.8.0.342.b07-1.amzn2.0.1.x86_64
 --> Processing Dependency: libXtst.so.6()(64bit) for package: 1:java-1.8.0-openj
dk-1.8.0.342.b07-1.amzn2.0.1.x86 64
```

```
libxshmfence.x86_64 0:1.2-1.amzn2.0.2
libxslt.x86_64 0:1.1.28-6.amzn2
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2
log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2
mesa-libEGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libghm.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libghm.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2
pixman.x86_64 0:0.34.0-1.amzn2.0.2
python-javapackages.noarch 0:3.4.1-11.amzn2
python-lxml.x86_64 0:3.2.1-4.amzn2.0.3
ttmkfdir.x86_64 0:3.2.1-4.amzn2.0.2
tzdata-java.noarch 0:2022c-1.amzn2
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
xorg-x11-fonts-Typel.noarch 0:7.5-9.amzn2
```

```
ec2-user@ip-172-31-92-140:~

[ec2-user@ip-172-31-92-140 ~]$ java -version openjdk version "1.8.0_342" OpenJDK Runtime Environment (build 1.8.0_342-b07) OpenJDK 64-Bit Server VM (build 25.342-b07, mixed mode) [ec2-user@ip-172-31-92-140 ~]$
```

Step2: Install Elastic search on AWS Server

```
Proot@ip-172-31-92-140:~
[cc2-user@ip-172-31-92-140 ~]$ sudo su

[root@ip-172-31-92-140 ec2-user]# yum install -y

Loaded plugins: extras suggestions, langpacks, priorities, update-motd

Error: Need to pass a list of pkgs to install
 Mini usage:
install PACKAGE...
Install a package or packages on your system
aliases: install-n, install-na, install-nevra
[root@ip-172-31-92-140 ec2-user]# cd /root
[root@ip-172-31-92-140 ~]# wget https://download.elastic.co/elasticsearch/elast
icsearch/elasticsearch-1.7.2.noarch.rpm
--2022-10-09 13:39:01-- https://download.elastic.co/elasticsearch/elasticsearch/elasticsearch-1.7.2.noarch.rpm
Pessylving download elastic co/ (dywnload elastic co/) 34 120 127 130 2600:1901
 Resolving download.elastic.co (download.elastic.co)... 34.120.127.130, 2600:1901
  onnecting to download.elastic.co (download.elastic.co)|34.120.127.130|:443... c
  onnected.
HTTP request sent, awaiting response... 200 OK
Length: 27304727 (26M) [binary/octet-stream]
Saving to: 'elasticsearch-1.7.2.noarch.rpm'
                                                                       =====>] 27,304,727 31.8MB/s in 0.8s
2022-10-09 13:39:03 (31.8 MB/s) - 'elasticsearch-1.7.2.noarch.rpm' saved [273047
[root@ip-172-31-92-140 ~] # yum install elasticsearch-1.7.2.noarch.rpm -y Loaded plugins: extras_suggestions, langpacks, priorities, update-motd Examining elasticsearch-1.7.2.noarch.rpm: elasticsearch-1.7.2-1.noarch Marking elasticsearch-1.7.2.noarch.rpm to be installed Resolving Dependencies
  --> Running transaction check
  ---> Package elasticsearch.noarch 0:1.7.2-1 will be installed --> Finished Dependency Resolution
  amzn2-core/2/x86_64
 Dependencies Resolved
  Package
                                                                                Repository
 Installing:
elasticsearch
                                                                                 /elasticsearch-1.7.2.noarch
                                                                                                                                                 30 M
Install 1 Package
```

```
root@ip-172-31-92-140:~
2022-10-09 13:39:03 (31.8 MB/s) - 'elasticsearch-1.7.2.noarch.rpm' saved [273047
[root@ip-172-31-92-140 ~] # yum install elasticsearch-1.7.2.noarch.rpm -y
Loaded plugins: extras_suggestions, languacks, priorities, update-motd Examining elasticsearch-1.7.2.noarch.rpm: elasticsearch-1.7.2-1.noarch Marking elasticsearch-1.7.2.noarch.rpm to be installed
Resolving Dependencies
 -> Running transaction check
 --> Package elasticsearch.noarch 0:1.7.2-1 will be installed
 -> Finished Dependency Resolution
amzn2-core/2/x86_64
                                                              | 3.7 kB
Dependencies Resolved
Installing:
 elasticsearch
                                1.7.2-1
                                             /elasticsearch-1.7.2.noarch
                                                                                  30 M
                    noarch
Transaction Summary
Total size: 30 M
Installed size: 30 M
Downloading packages:
Running transaction test
Running transaction
Creating elasticsearch group... OK
Creating elasticsearch user... OK
Installing : elasticsearch-1.7.2-1.noarch
### NOT starting on installation, please execute the following statements to con
figure elasticsearch service to start automatically using systemd
### You can start elasticsearch service by executing
 sudo systemctl start elasticsearch.service
  Verifying : elasticsearch-1.7.2-1.noarch
```

Step3: Start the Server

```
root@ip-172-31-92-140:~

[root@ip-172-31-92-140 ~] # service elasticsearch start

Starting elasticsearch (via systemctl):

[root@ip-172-31-92-140 ~] #

[root@ip-172-31-92-140 ~] #
```

Step4: Automatically Boot u on start

Step5:Configuring AWS IP so you can access using public IP

Checking Elastic Search

Step6:Install Plugins

```
Proot@ip-172-31-92-140:/usr/share/elasticsearch
     @ip-172-31-92-140 ~]# service elasticsearch start
[root@ip-172-31-92-140 ~]#
[root@ip-172-31-92-140 ~]# sudo chkconfig --add elasticsearch
[root@ip-172-31-92-140 ~]#
[root@ip-172-31-92-140 ~] # echo "network.host: 0.0.0.0" >> /etc/elasticsearch/el
asticsearch.yml
-> Installing mobz/elasticsearch-head...
Trying https://github.com/mobz/elasticsearch-head/archive/master.zip...
Installed mobz/elasticsearch-head into /usr/share/elasticsearch/plugins/head
[root@ip-172-31-92-140 elasticsearch]# ./bin/plugin -install lukas-vlcek/bigdesk
 -> Installing lukas-vlcek/bigdesk...
Trying https://github.com/lukas-vlcek/bigdesk/archive/master.zip...
Installed lukas-vlcek/bigdesk into /usr/share/elasticsearch/plugins/bigdesk
Identified as a _site plugin, moving to _site structure ...
[root@ip-172-31-92-140 elasticsearch]# ./bin/plugin install elasticsearch/elasticsearch-cloud-aws/2.7.1
Trying http://download.elasticsearch.org/elasticsearch/elasticsearch-cloud-aws/elasticsearch-cloud-aws-2.7.1.zip...
-> Installing Imenezes/elasticsearch-kopf/1.5.7...
Trying http://download.elasticsearch.org/lmenezes/elasticsearch-kopf/elasticsearch-kopf/1.5.7.zip...
Downloading DONE
failed to extract plugin [/usr/share/elasticsearch/plugins/kopf.zip]: ZipException[zip file is empty]
[root@ip-172-31-92-140 elasticsearch]#
```

Step 7:Install Kibana

```
| Toot@ip-172-31-92-140 elasticsearch|| sud su |
| Toot@ip-172-31-92-140 elasticsearch|| sud su |
| Toot@ip-172-31-92-140 elasticsearch|| sud sud |
| Toot@ip-172-31-92-140 elasticsearch|| sud su |
| Toot@ip-172-31-92-140 elasticsearch|| su update -y |
| Loaded plupins: extras suggestions, lampacks, priorities, update -not |
| Sopetages marked for update |
| Toot@ip-172-31-92-140 elasticsearch|| su | |
| Toot@ip-172-31-92-140 | lasticsearch|| su |
| Toot@ip-172-31-92-140 | lasticsearch|| su |
| Toot@ip-172-31-92-140 | lasticsearch|| su |
| Toot@ip-172-31-92-140 | lastic.co |
| Toot@ip-172-31-92-140 | lastic.co |
| Sopetages |
|
```

```
[root@ip-172-31-92-140 kibana-4.1.2-linux-x64] # nohup ./bin/kibana & [1] 1949 [root@ip-172-31-92-140 kibana-4.1.2-linux-x64] # nohup: ignoring input and appending output to 'nohup.out' [root@ip-172-31-92-140 kibana-4.1.2-linux-x64] # [
```

