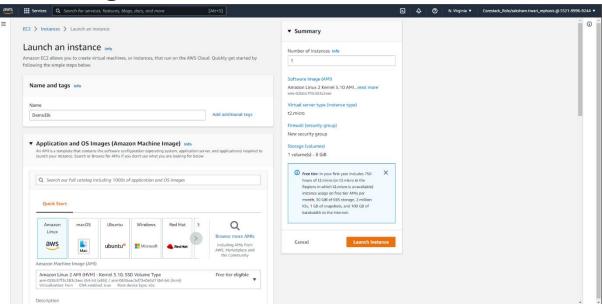
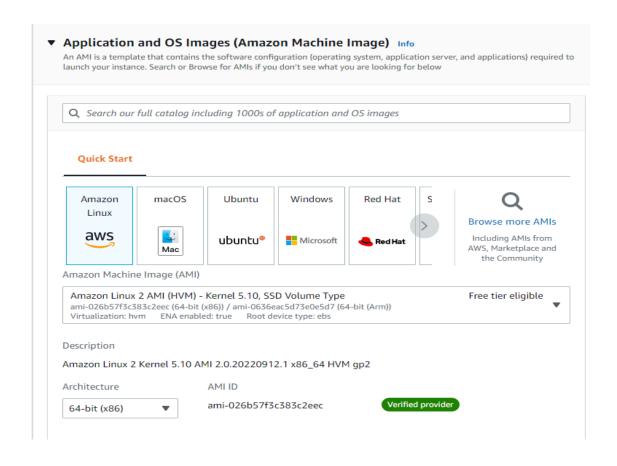
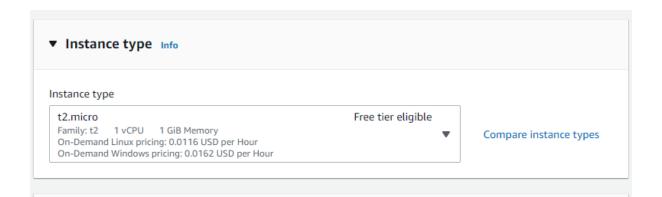
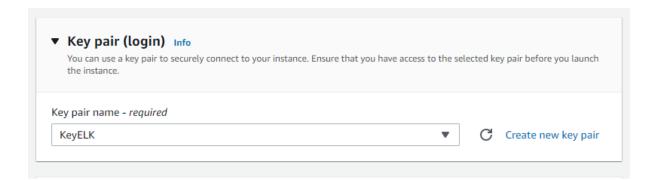
Deploying ELK Stack on Docker Container

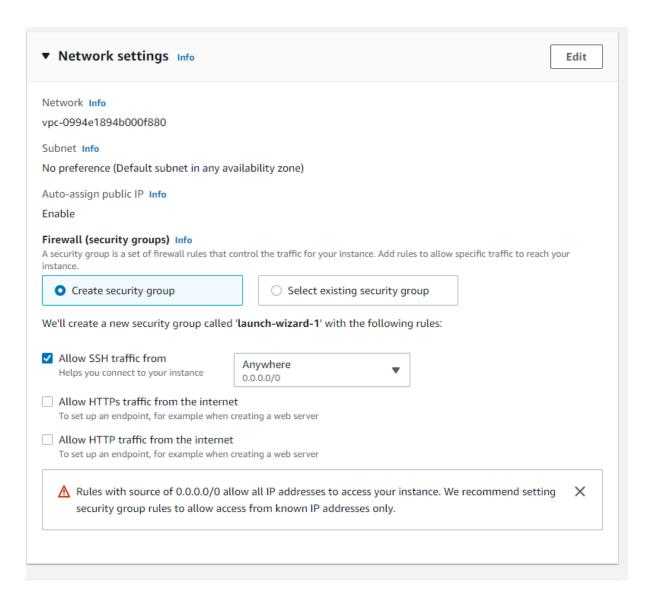
Creating Ec2 Instance

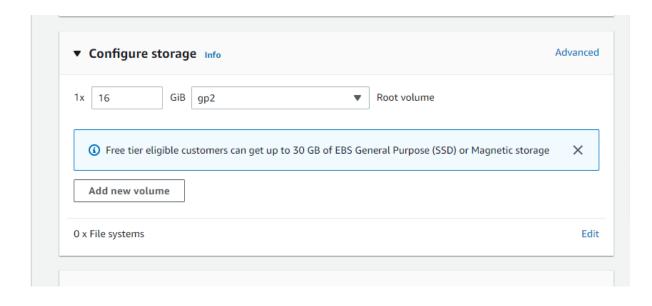




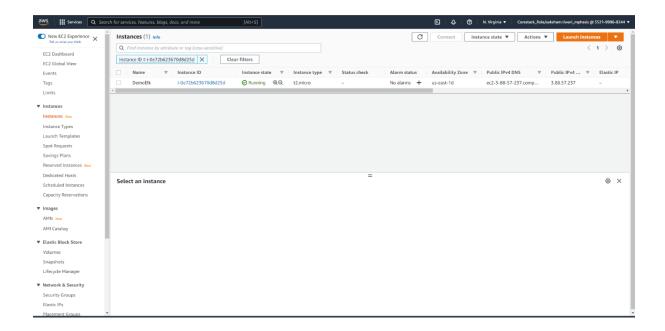








▼ Summary Number of instances Info 1 Software Image (AMI) Amazon Linux 2 Kernel 5.10 AMI...read more ami-026b57f3c383c2eec Virtual server type (instance type) t2.micro Firewall (security group) New security group Storage (volumes) 1 volume(s) - 16 GiB i Free tier: In your first year includes 750 X hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet. Launch instance Cancel



Now connect to the instance using putty

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
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
lled
 --> 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:java-1.8.0-openjdk-1.8.0.342.b07-1.amzn2.0.1.x86 64
--> Processing Dependency: libasound.so.2(ALSA_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(x\overline{0}6-64) 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-
```

```
--> 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: libjwm.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-openjdk-
1.8.0.342.b07-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2()(64bit) for package: 1:java-1.8.0-openjdk-
1.8.0.342.b07-1.amzn2.0.1.x86_64
--> Processing Dependency: libxtst.so.6()(64bit) for package: 1:java-1.8.0-openjdk-
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-libgdn.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libgdnix86_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 0:3.0.9-42.amzn2.0.2
tzdata-java.noarch 0:2022c-1.amzn2
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
xorg-x11-fonts-Type1.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 ~]$
```

Install Elastic search on AWS Server

```
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
                                                                       | 3.7 kB
Dependencies Resolved
                                                    Repository
Installing:
elasticsearch
                                                    /elasticsearch-1.7.2.noarch
                                                                                              30 M
Transaction Summary
Total size: 30 M
 ownloading packages:
Transaction test succeeded
Running transaction
Creating elasticsearch group... OK
Creating elasticsearch user... OK
```

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

```
{
  "status" : 200,
  "name" : "Uatu",
  "cluster_name" : "elasticsearch",
  "version" : {
    "number" : "1.7.2",
    "build_hash" : "e43676b1385b8125d647f593f7202acbd816e8ec",
    "build_timestamp" : "2015-09-14T09:49:53Z",
    "build_snapshot" : false,
    "lucene_version" : "4.10.4"
  },
  "tagline" : "You Know, for Search"
}
```

Install Plugins

```
Proot@ip-172-31-92-140:/usr/share/elasticsearch
```

```
[ cott@ip-172-31-92-140 | structure | cotton | c
```

Install Kibana

```
[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] # [root@ip-172-31-92-140 kibana-4.1.2-linux-x64] # [
```





