REPLACE ALL IP addresses with your own…

<https://www.elastic.co/blog/running-elasticsearch-on-aws>

curl <http://172.31.0.196:9200/_cat/health?pretty>

Go to <http://aws.amazon.com>

Click on sign in to console

Sleect I am a new user

Follow prompts

Sing in to console to verify your account

Try to launch an ec2 instance

It will tell you that you haen't signed up,

Click on signup

This is important - takes 24 hours to activate.

Elastic Search

<http://www.elastic.co>

<https://www.elastic.co/downloads/elasticsearch>

<https://www.elastic.co/guide/en/elasticsearch/reference/current/install-elasticsearch.html>

<https://www.elastic.co/guide/en/elasticsearch/reference/current/rpm.html>

JMETER

Download JMETER

<http://jmeter.apache.org/download_jmeter.cgi>

Run jmeter - go to finder

1. In the [Finder](https://help.apple.com/machelp/mac/10.11/index.html?localePath=en.lproj#/mchlaab6cfc4), locate the app you want to open.  
   Don’t use Launchpad to do this. Launchpad doesn’t allow you to access the shortcut menu.
2. Press the Control key and click the app icon, then choose Open from the shortcut menu.
3. Click Open.  
   The app is saved as an exception to your security settings, and you can open it in the future by double-clicking it just as you can any registered app.

Getting Started

<http://jmeter.apache.org/usermanual/get-started.html>

<http://jmeter.apache.org/usermanual/build-web-test-plan.html>

AWS

Create IAM role

Creat IAM role

HOTday

Role - perf

Select amazon ec2 full access

Launch Amazon EC2 instance

Amazon Linux AMI

T2 micro

1 instance

Network - vpc default

Subnet - default in us-west-2c

Select AIM role - perf (or create new IAM role)

Security group - ELK

SSH

Http

Custom 9000-10000

HTTPS

If you select my ip - that may change…for EL

Create a pem file - HOTday.pem

chmod 400 /*path*/my-key-pair.pem

Accessing your instance

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AccessingInstancesLinux.html>

ssh -i HOTday.pem ec2-user@54.201.156.110

Correct java version

sudo yum install java-1.8.0  
sudo yum remove java-1.7.0-openjdk

Install elasticsearch

<https://www.elastic.co/guide/en/elasticsearch/reference/current/rpm.html>

cd /etc/yum.repos.d/

Sudo Vi elasticsearch.repo

I

Paste from above

:wq

Sudo yum install elasticsearch

<https://www.elastic.co/guide/en/elasticsearch/reference/master/setting-system-settings.html#jvm-options>

Update the following files, to lower the jvm options

/etc/elasticsearch/jvm.options

But first you need to chmod on the directory

Cd /etc

sudo chmod a+rwx elasticsearch

Cd elasticsearch

Sudo Vi jvm.options

#-Xms2g

-Xms512m

#-Xmx2g

-Xmx512m

wq

Cd /etc/elasticsearch

Sudo vi elasticsearch.yml

Scroll down to network host and update to your IP

Use D to delete to the end of the line and I to insert

network.host: AWS internal IP

sudo -i service elasticsearch start  
sudo -i service elasticsearch stop

curl <http://localhost:9200>

In browser

<http://ip:9200>

Logs in

/var/log/elasticsearch

INSTALLING KIBANA

cd /etc/yum.repos.d

Sudo vi kibana.repo

I

[paste]

<https://www.elastic.co/guide/en/kibana/current/rpm.html>

[kibana-5.x]  
name=Kibana repository for 5.x packages  
baseurl=https://artifacts.elastic.co/packages/5.x/yum  
gpgcheck=1  
gpgkey=https://artifacts.elastic.co/GPG-KEY-elasticsearch  
enabled=1  
autorefresh=1  
type=rpm-md

sudo yum install kibana

<https://www.elastic.co/guide/en/kibana/current/settings.html>

cd /etc/kibana

Sudo vi kibana.yml

Yy

P

Dw

i

elasticsearch.url: "<http://172.31.0.196:9200>" #use internal ip

server.host: 172.31.0.196

<esc>

:wq

sudo -i service kibana start  
sudo -i service kibana stop

<http://54.187.24.122:5601/status>

Go to management

Index patterns

Enter in a matching pattern to one in logstash.conf

And create

Then go to discover

Visualize

Check date range

Line chart

X-axis date histogram

Install logstash

Update java as above

cd /etc/yum.repos.d/

Sudo Vi logstash.repo

I

[paste]

<https://www.elastic.co/guide/en/logstash/current/installing-logstash.html>

:wq

sudo vi logstash.repo

sudo yum install logstash

whereis logstash

sudo chmod -R a+xrw /usr/share/logstash/data

Mkdir config

Crete hotday.conf

Scp -I HOTday.pem hotday.conf ec2-user@54.186.15.91:~/config/

curl <http://172.31.0.196:9200>

whereis logstash

/usr/share/logstash/bin/logstash -f hotday.conf &

[http://54.187.24.122:9200/\_cat/indices/\*?v&s=index](http://54.187.24.122:9200/_cat/indices/*?v&s=index)

Install Jmeter

cd

wget [http://www-us.apache.org/dist//jmeter/binaries/apache-jmeter-3.1.tgz](http://www-us.apache.org/dist/jmeter/binaries/apache-jmeter-3.1.tgz)

tar zxvf apache-jmeter-3.1.tgz

Mkdir test

 scp -i HOTday.pem dtcommunity.jmx ec2-user@54.186.15.91:~/test/

./jmeter.sh -n -t /home/ec2-user/dtcommunity.jmx -l dt.csv -j dt.log

/home/ec2-user/apache-jmeter-3.1/bin/jmeter.sh -n -t /home/ec2-user/test/dtcommunity.jmx -l dt.csv -j dt.log

Secure copy

scp -i /*path*/my-key-pair.pem /*path*/SampleFile.txt ec2-user@ec2-198-51-100-1.compute-1.amazonaws.com:~

**Tip**

For Amazon Linux, the user name is ec2-user.