## # Generating SSL Certificate to Elastic Search using Ubuntu:

#### **Pre-requirement:**

To authorize the Elasticsearch:

- Cd /usr/share/elasticsearch
- bin/elasticsearch -setup-passwords interactive (for manual passwords creation.

Or

• Bin/elasticsearch -setup-passwords auto

#### Step1:

Install Openssl sudo su apt-get install openssl

### Step2:

- pre-requirement:
- cd /etc/elasticsearch
- mkdir certs

# Step3:

• To generate a Private Key and Certificate enter the below command:

#### One line code:

• [sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout /etc/elasticsearch/certs/elasticsearch.key -out /etc/elasticsearch/certs/elasticsearch.crt]

### Step4:

#### **Set the Correct Permissions:**

- sudo chown -R elasticsearch:elasticsearch/etc/elasticsearch/certs
- sudo chmod 0400 /etc/elasticsearch/certs/elasticsearch.key
- sudo chmod 0444 /etc/elasticsearch/certs/elasticsearch.crt

# Step5:

# **Configure Elasticsearch to Use the Certificate:**

Go to:

- cd /etc/elasticsearch
- vim elasticsearch.yml

#### Paste below:

xpack.security.enabled: true

xpack.security.transport.ssl.enabled: true

xpack.security.transport.ssl.key: /etc/elasticsearch/certs/elasticsearch.key

xpack.security.transport.ssl.certificate: /etc/elasticsearch/certs/elasticsearch.crt

xpack.security.http.ssl.enabled: true

xpack.security.http.ssl.key: /etc/elasticsearch/certs/elasticsearch.key

xpack.security.http.ssl.certificate: /etc/elasticsearch/certs/elasticsearch.crt

### Step6:

sudo systemetl restart elasticsearch sudo systemetl status elasticsearch