**Deploying ELK Stack on Docker Container**

**Docker-compose.yml:**

version: '3.6'

services:

Elasticsearch:

image: elasticsearch:7.16.2

container\_name: elasticsearch

restart: always

volumes:

- elastic\_data:/usr/share/elasticsearch/data/

environment:

ES\_JAVA\_OPTS: "-Xmx256m -Xms256m"

discovery.type: single-node

ports:

- '9200:9200'

- '9300:9300'

networks:

- elk

Logstash:

image: logstash:7.16.2

container\_name: logstash

restart: always

volumes:

- ./logstash/:/logstash\_dir

command: logstash -f /logstash\_dir/logstash.conf

depends\_on:

- Elasticsearch

ports:

- '9600:9600'

environment:

LS\_JAVA\_OPTS: "-Xmx256m -Xms256m"

networks:

- elk

Kibana:

image: kibana:7.16.2

container\_name: kibana

restart: always

ports:

- '5601:5601'

environment:

- ELASTICSEARCH\_URL=http://elasticsearch:9200

depends\_on:

- Elasticsearch

networks:

- elk

volumes:

elastic\_data: {}

networks:

elk:

**inlog.log:**

input {

file {

path => "/root/temp/inlog.log"

}

}

output {

elasticsearch {

hosts => ["http://elasticsearch:9200"]

}

}