

Phase 5: (Practice Project)
Source Code for Deploying ELK Stack on Docker Container..
(Developed by: Ullas H P)

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:

logstash.conf

input {

file {

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

}

}

Output {

elasticsearch {

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

}

}

inlog.log

This is a test file

This is the log file that is fetched from logstash conf file