# Deploying ELK Stack on Docker Container

## We are using the official image from Elastic:

- Elasticsearch
- Kibana
- Logstash

## Requirements:

- Docker Version 18.X+
- Docker Compose version 1.12.0+
- Host Machine with 1.5GB Ram

## Overview:

```
├──── apache         ---> Dockerfile and confiuration file for apache
├──── elasticsearch  ---> Dockerfile and configuration file for elasticsearch
├──── img            ---> For storing image and screenshots
├──── kibana         ---> Dockerfile and configuration file for kibana
└──── logstash       ---> Dockerfile and configuration file for logstash
     └──── conf.d    ---> Logstash configuration for beats, filter and outputs
```

## This compose setup will setup these things for you:

- Elastic Search
- Kibana
- Logstash
- Apache

## This setup will expose these ports:

- 9200: Elasticsearch HTTP endpoint
- 9300: Elasticsearch TCP endpoint
- 5601: Kibana UI
- 5044: Logstash beats input