**Deploy ELK Stack on Docker Container**

**Problem Statement:**

You have to deploy ELK Stack on a Docker container to implement continuous monitoring.

**GitHub Link:**

<https://github.com/PradeepaSaravanan/Java-Phase-Projects/tree/master/Phase5/DeplyELk%20Stack/ELKStackDocker-main>

**Algorithm:**

1. Install Docker on your System and configure.
2. Git Clone to pull the ELK Docker Repository.
3. Pull an automatically built image from the Docker registry.
4. Open the docker-compose.yml file in a texteditor, and edit the code using -> sudo nano docker-compose.yml
5. Build the image with: sudo docker-compose build elk
6. Open the Dockerfile located in the repository directory: sudo nano Dockerfile
7. Build the image using either **docker build** or **docker-compose**.
8. Run the build to install the plugin.
9. The command publishes the following ports:

**5601** serves the Kibana web interface.

**9200** for Elasticsearch JSON interface.

**5044** for Logstash Beats interface.

1. Access the Kibana web interface with: <http://localhost:5601>.
2. To run the ELK container with Docker compose, use: sudo docker-compose up elk
3. Successfully installed and run the ELK stack on Docker Container.