**WRITEUP**

**DEPLOYING ELK STACK ON DOCKER CONTAINER**

**OBJECTIVE:**

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

**PROBLEM STATEMENT:**

Your manager has asked to create an elegant user interface for data analysis and data visualization as you have worked on ELK stack previously and have the idea of how it works. This will help the DevOps team to monitor and analyze the application behavior.

**ALGORITHM:**

* Install Docker on your System and configure.
* Git Clone to pull the ELK Docker Repository.
* Pull an automatically built image from the Docker registry.
* Open the docker-compose.yml file in a texteditor, and edit the code using -> sudo nano docker-compose.yml
* Build the image with: sudo docker-compose build elk
* Open the Dockerfile located in the repository directory: sudo nano Dockerfile
* Build the image using either docker build or docker-compose.
* Run the build to install the plugin.
* Access the Kibana web interface.
* To run the ELK container with Docker compose, use: sudo docker-compose up elk
* Successfully installed and run the ELK stack on Docker Container.

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