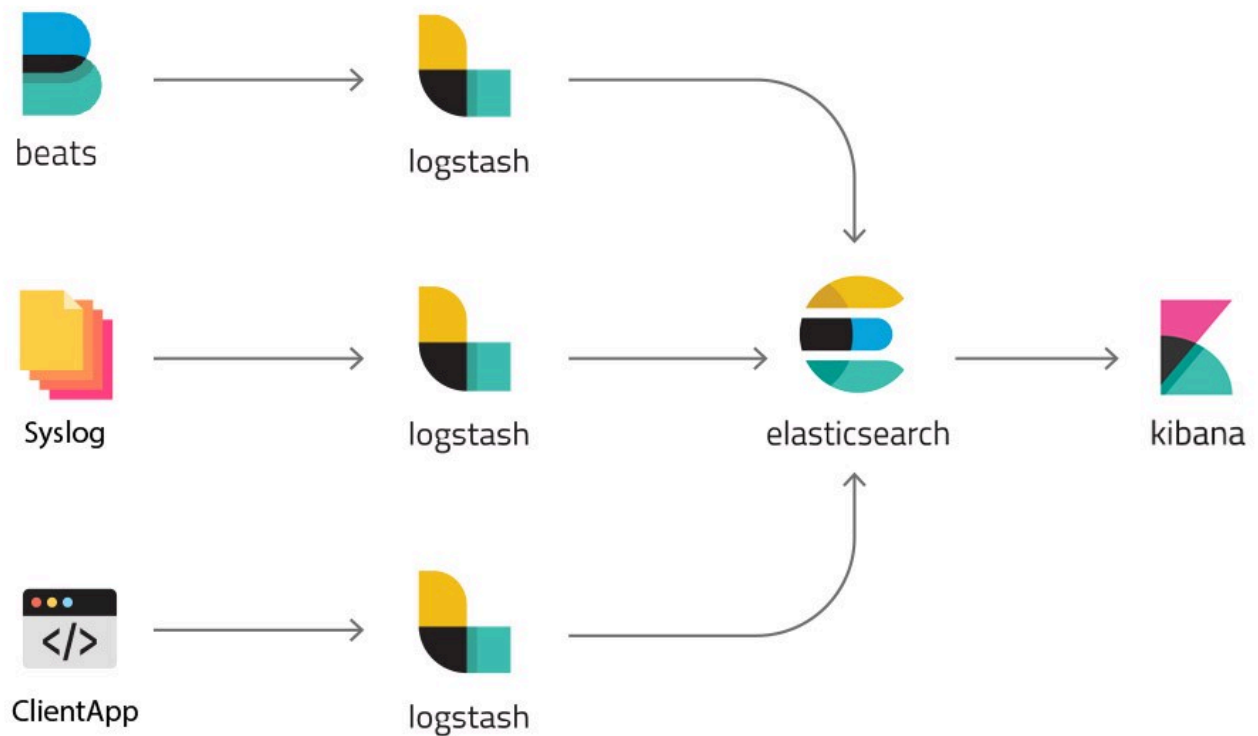
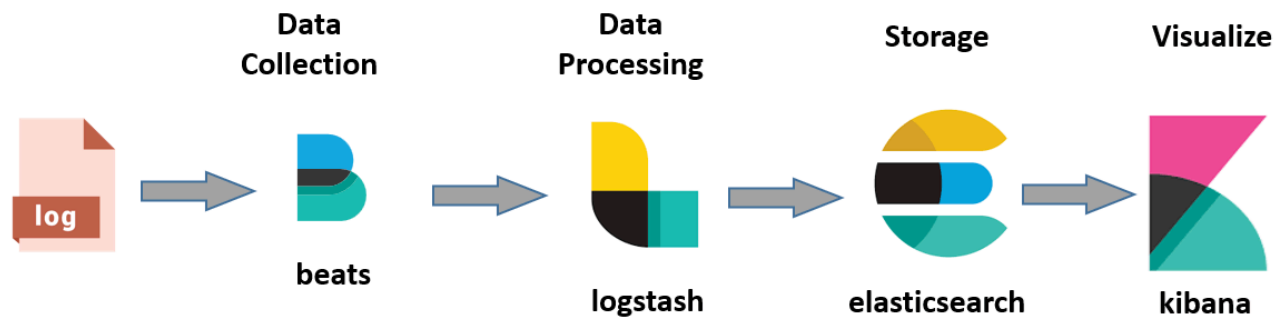


SBA ELK Stack - Provisioning and Monitoring using Elasticsearch, Logstash, and Kibana



- [Step 1:](#)

- [Install Git](#)
- [Install Docker](#)

- [Step 2:](#)

- [dockerize flask app or pull docker image from docker hub](#)

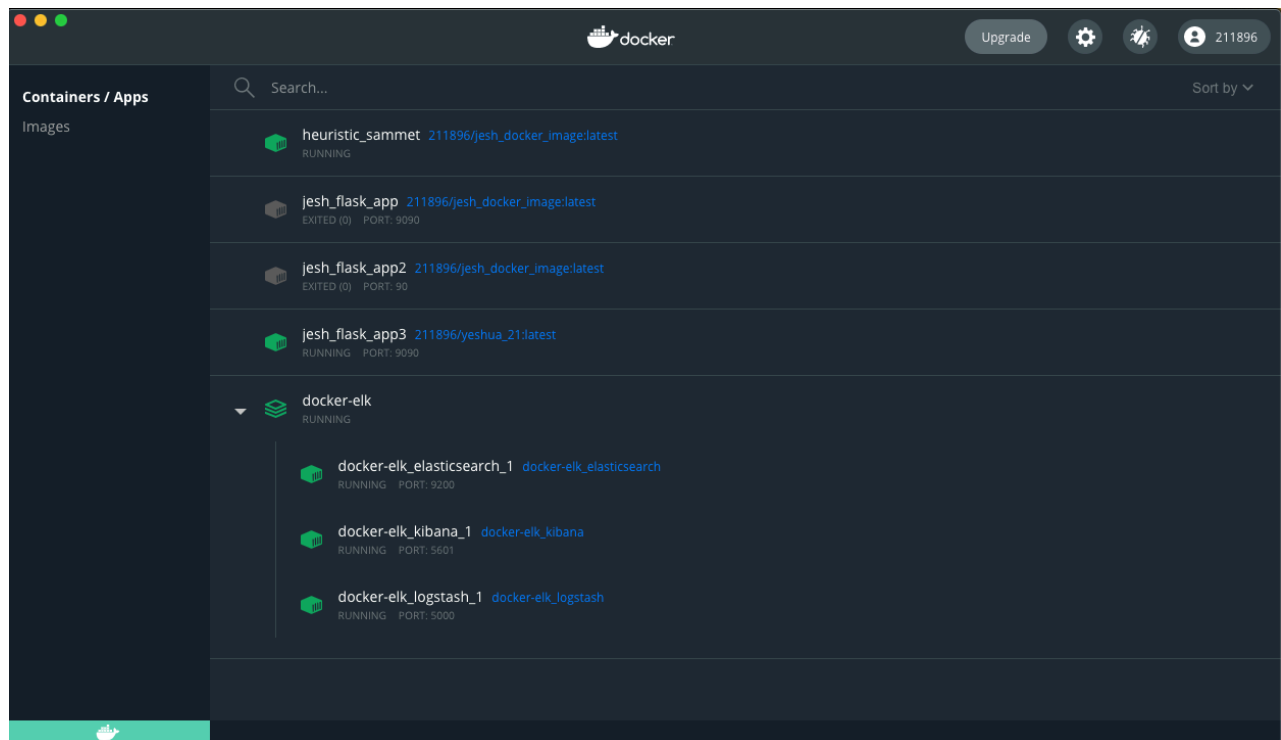
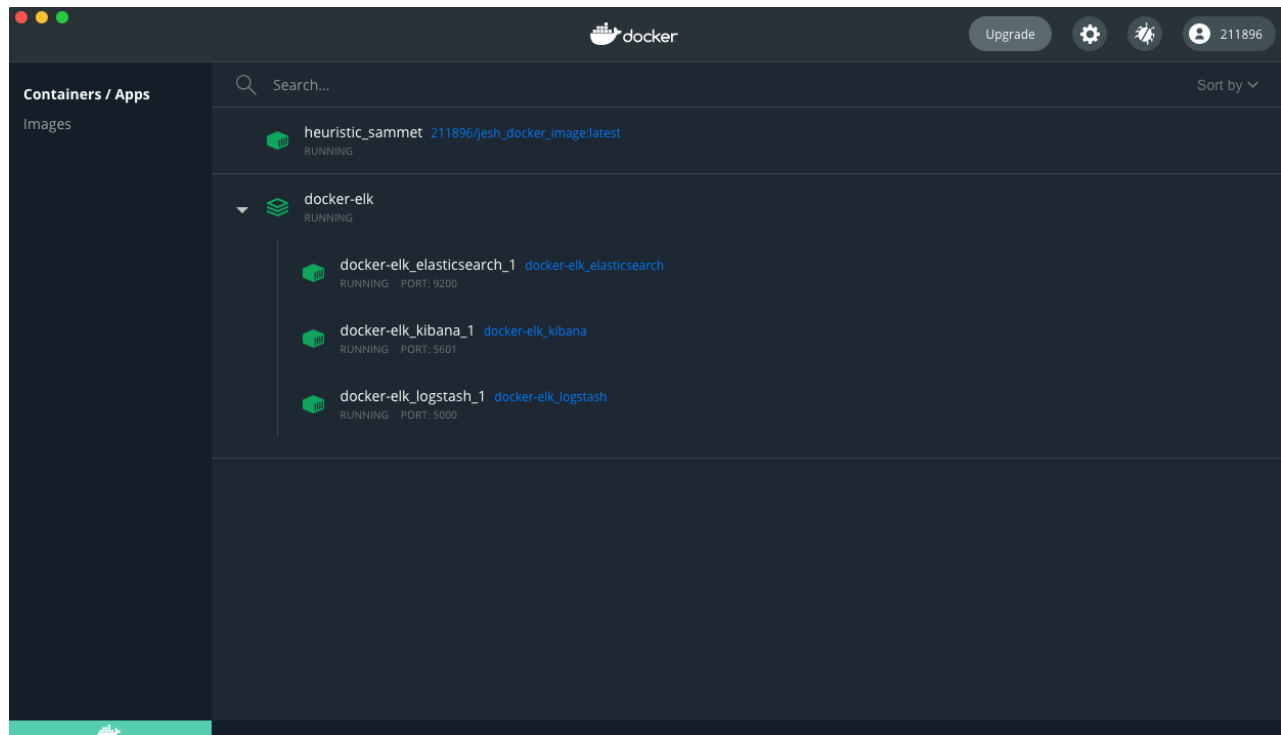
```
docker build -t yeshua_21:latest .  
  
sudo docker run --name CONTAINER_NAME -i -p 9090:9999 IMAGE_NAME  
  
sudo docker run --name jesh_flask_app -i -p 9090:9999 jesh_docker
```

- [Docker pull/push image](#)

```
docker login --username=211896 --email=youremail@company.com  
  
docker tag e49b2b10baba 211896/yeshua_21:latest  
  
docker push 211896/yeshua_21
```

or

```
docker pull 211896/yeshua_21
```



- [Step 3:](#)

```
$ git clone https://github.com/simulationpoint/dockerized-elk-stack.git
$ cd dockerized-elk-stack/docker-elk
$ docker-compose up

Open new terminal and run

$ curl -L -O https://artifacts.elastic.co/downloads/beats/metricbeat/
metricbeat-7.11.0-darwin-x86_64.tar.gz
  tar xzvf metricbeat-7.11.0-darwin-x86_64.tar.gz

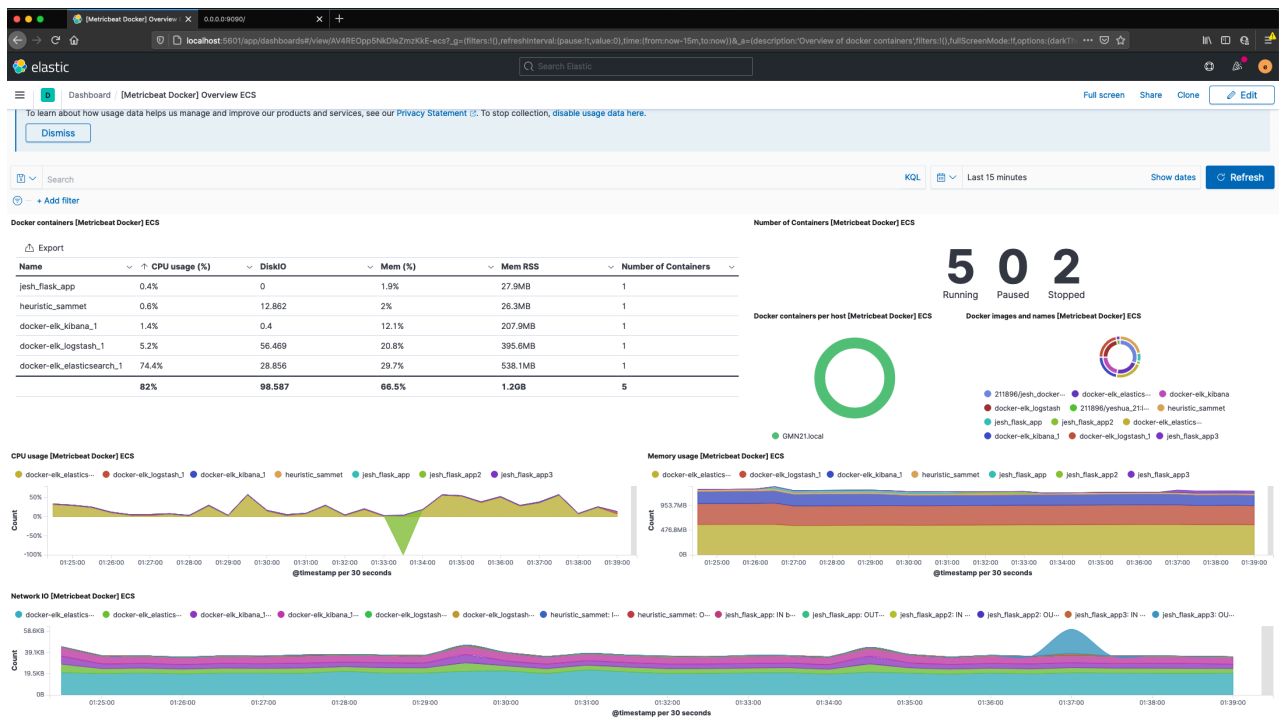
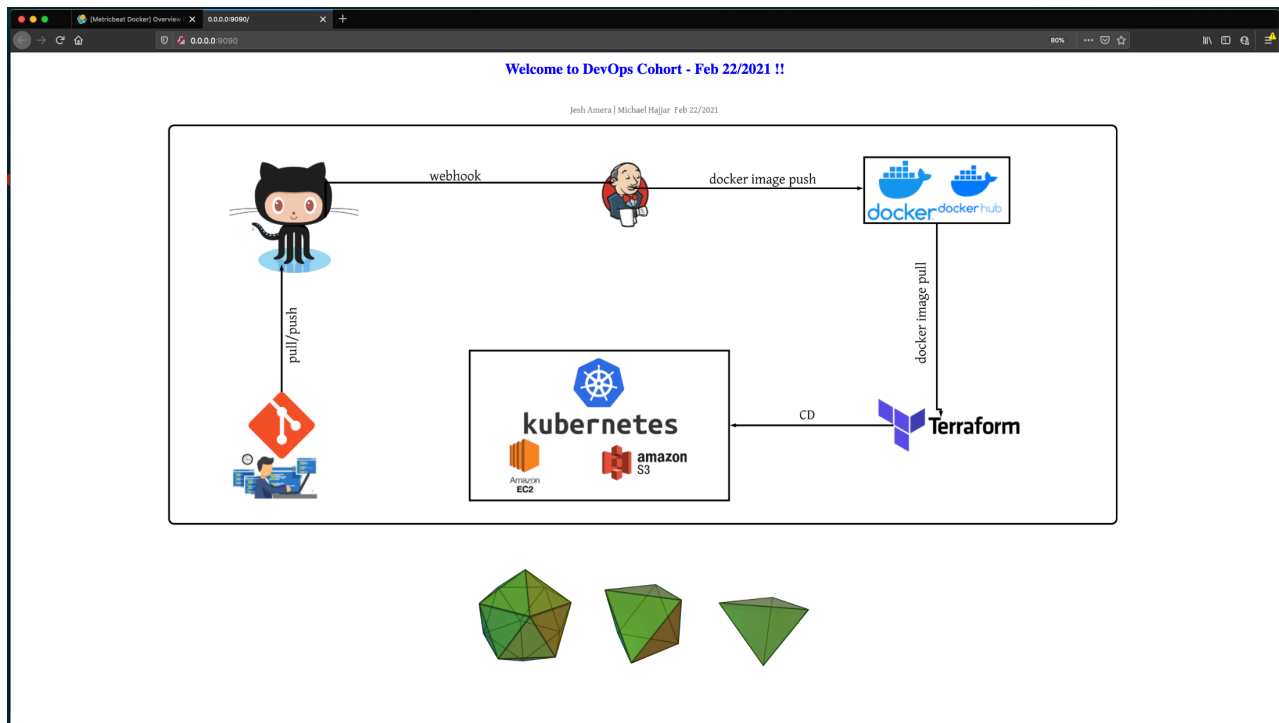
$ cd metricbeat-7.11.0-darwin-x86_64/

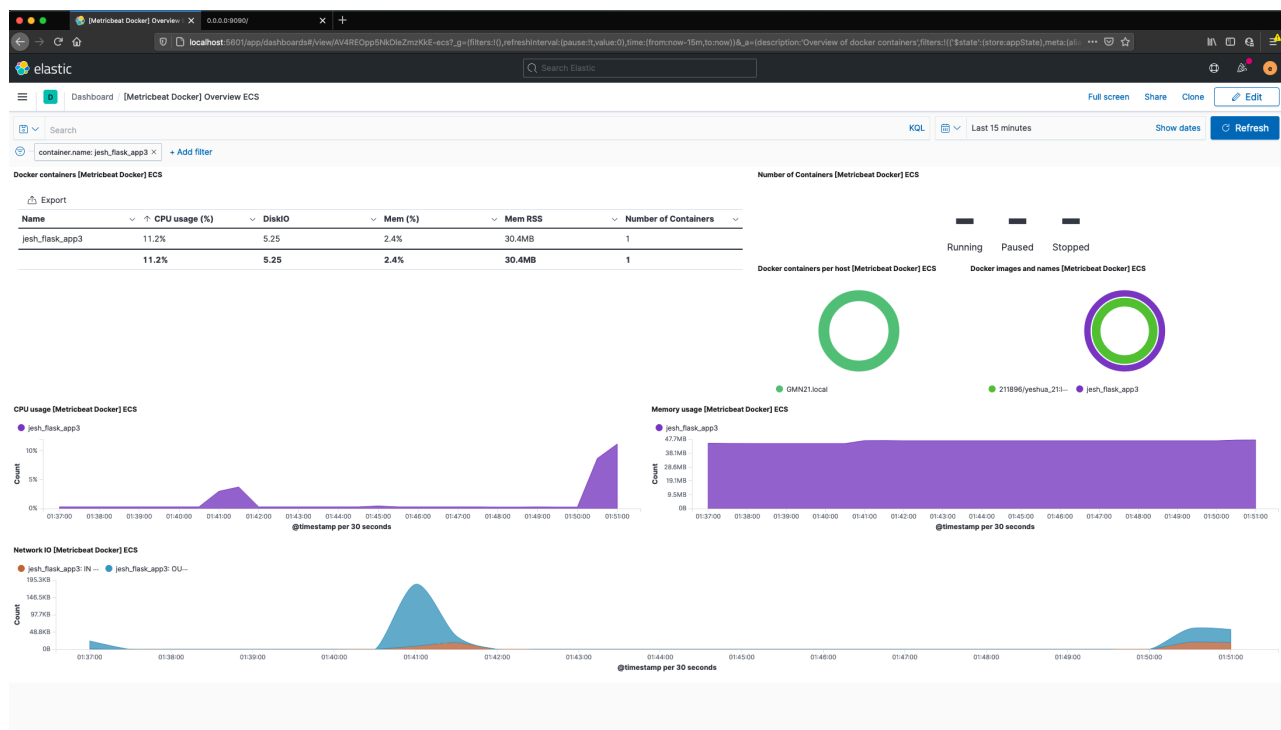
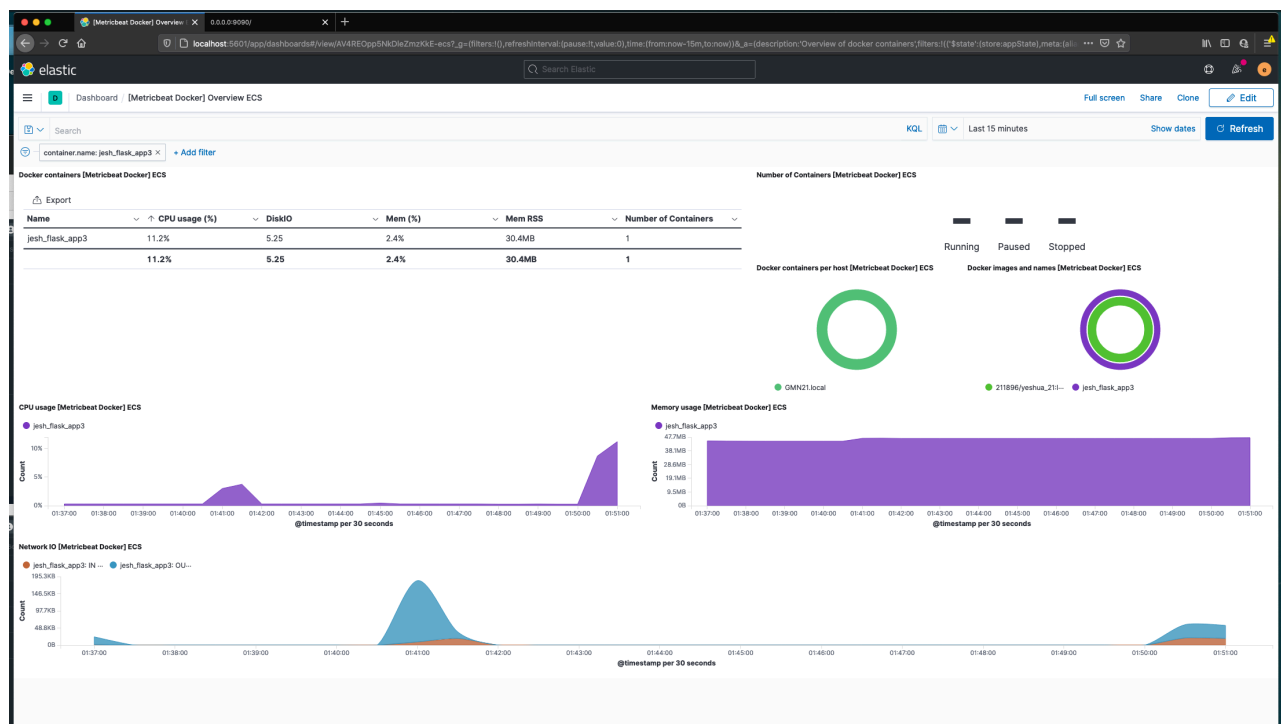
$ vim metricbeat.yml      then

output.elasticsearch:
  hosts: ["localhost:9200"]
  username: "elastic"
  password: "changeme"
setup.kibana:
  host: "localhost:5601"
```

Then run the following command

```
./metricbeat modules enable docker
./metricbeat setup
./metricbeat -e
```





```
GMN21:~ grand$ cat /Users/grand/Desktop/sba.ELK-stack/dockerized-elk-stack/docker-elk/metricbeat-7.11.0-darwin-x86_64/modules.d/docker.yml
# Module: docker
# Docs: https://www.elastic.co/guide/en/beats/metricbeat/7.11/metricbeat-module-docker.html

- module: docker
  #metricsets:
  # - container
  # - cpu
  # - diskio
  # - event
  # - healthcheck
  # - info
  # - memory
  # - network
  period: 10s
  hosts: ["unix:///var/run/docker.sock"]

  # If set to true, replace dots in labels with `_.`
  #labels.dedot: false

  # To connect to Docker over TLS you must specify a client and CA certificate.
  #ssl:
  #certificate_authority: "/etc/pki/root/ca.pem"
  #certificate:           "/etc/pki/client/cert.pem"
  #key:                   "/etc/pki/client/cert.key"

GMN21:~ grand$
```

[SBA - Github link](#)

 **Congratulation you have successfully provisioned and monitored your dockerized flask app !**