

Phase 5: (Practice Project)

Screen shots for Deploying ELK Stack on Docker Container..

(Developed By: Ullas H P)

1. Run docker Container
2. Creating yml and log files:

```
himp-172-31-27-237:~$ mkdir elk
himp-172-31-27-237:~$ cd elk
himp-172-31-27-237:~/elk$ ls
himp-172-31-27-237:~/elk$ mkdir logstash
himp-172-31-27-237:~/elk$ ls

himp-172-31-27-237:~/elk$ cd logstash
himp-172-31-27-237:~/elk/logstash$ ls
himp-172-31-27-237:~/elk/logstash$ vi logstash.conf
himp-172-31-27-237:~/elk/logstash$ ls

himp-172-31-27-237:~/elk/logstash$ pwd
himp-172-31-27-237:~/elk/logstash$ cd ..
himp-172-31-27-237:~/elk$ ls

himp-172-31-27-237:~/elk$ vi docker-compose.yml
himp-172-31-27-237:~/elk$ ls
himp-172-31-27-237:~/elk$ cd -
himp-172-31-27-237:~$ pwd
himp-172-31-27-237:~$ mkdir temp
himp-172-31-27-237:~$ cd temp
himp-172-31-27-237:~/temp$ ls
himp-172-31-27-237:~/temp$ vi inlog.log
himp-172-31-27-237:~/temp$
```

```
himp-172-31-27-237:~/elk/logstash$ vi logstash.conf
himp-172-31-27-237:~/elk/logstash$ ls

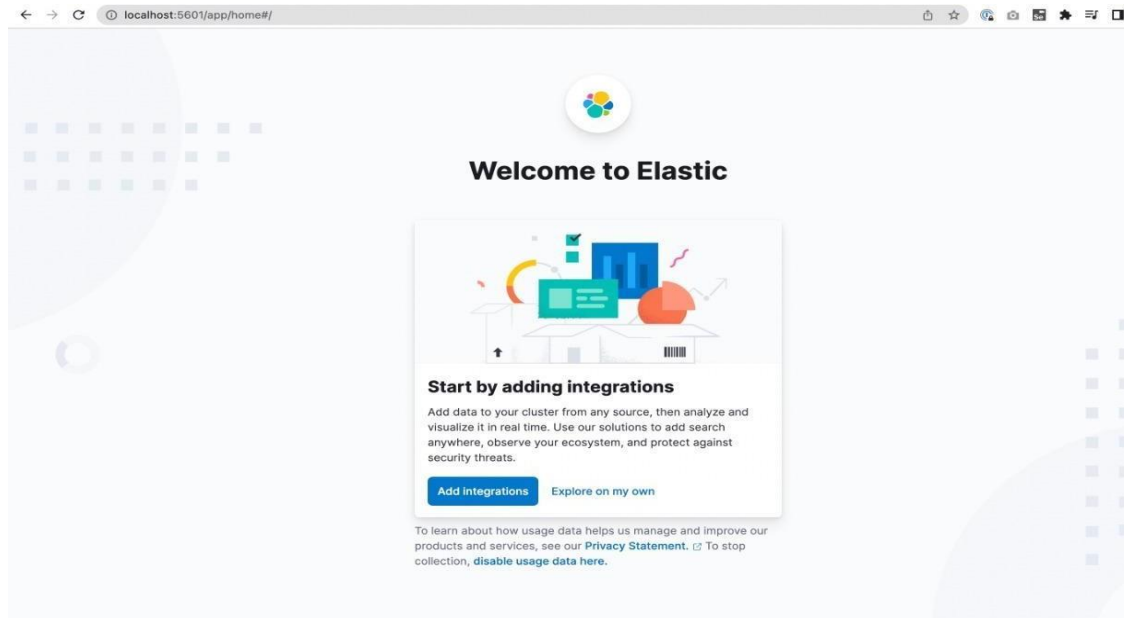
himp-172-31-27-237:~/elk/logstash$ pwd
himp-172-31-27-237:~/elk/logstash$ cd ..
himp-172-31-27-237:~/elk$ ls

himp-172-31-27-237:~/elk$ vi docker-compose.yml
himp-172-31-27-237:~/elk$ ls
himp-172-31-27-237:~/elk$ cd -
himp-172-31-27-237:~$ pwd
himp-172-31-27-237:~$ mkdir temp
himp-172-31-27-237:~$ cd temp
himp-172-31-27-237:~/temp$ ls
himp-172-31-27-237:~/temp$ vi inlog.log
himp-172-31-27-237:~/temp$ cd ..
himp-172-31-27-237:~$ ls
elk  Documents  elk  Pictures  temp  thinclient_drives
python  Downloads  Music  Public  Templates  Videos
himp-172-31-27-237:~$ cd elk
himp-172-31-27-237:~/elk$ ls
himp-172-31-27-237:~/elk$ vi logstash
himp-172-31-27-237:~/elk$ docker-compose up -d
'docker-compose' is currently not installed. To run 'docker-compose' please ask your administrator to install the package
```

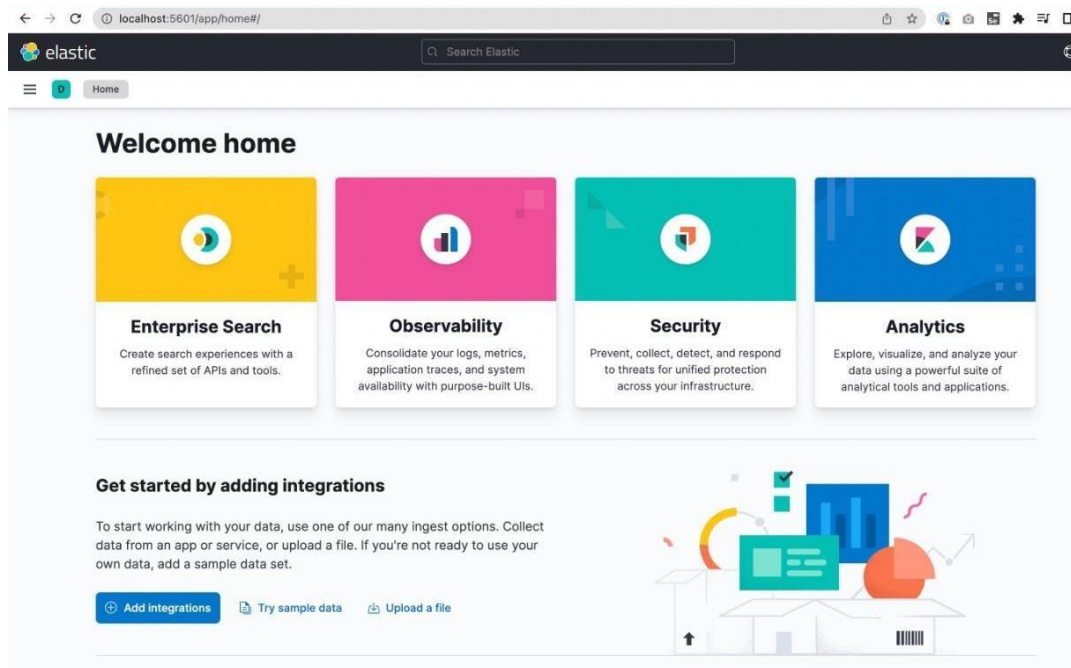
3. Installing ELK stack

[illegible]

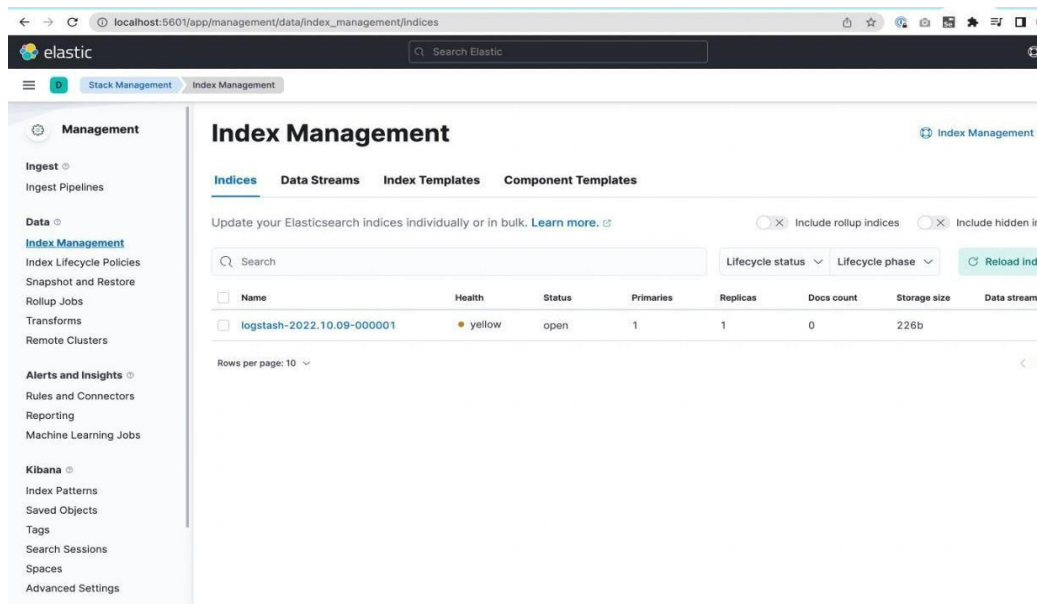
4. Run Localhost:5601 to connect with Elastic:



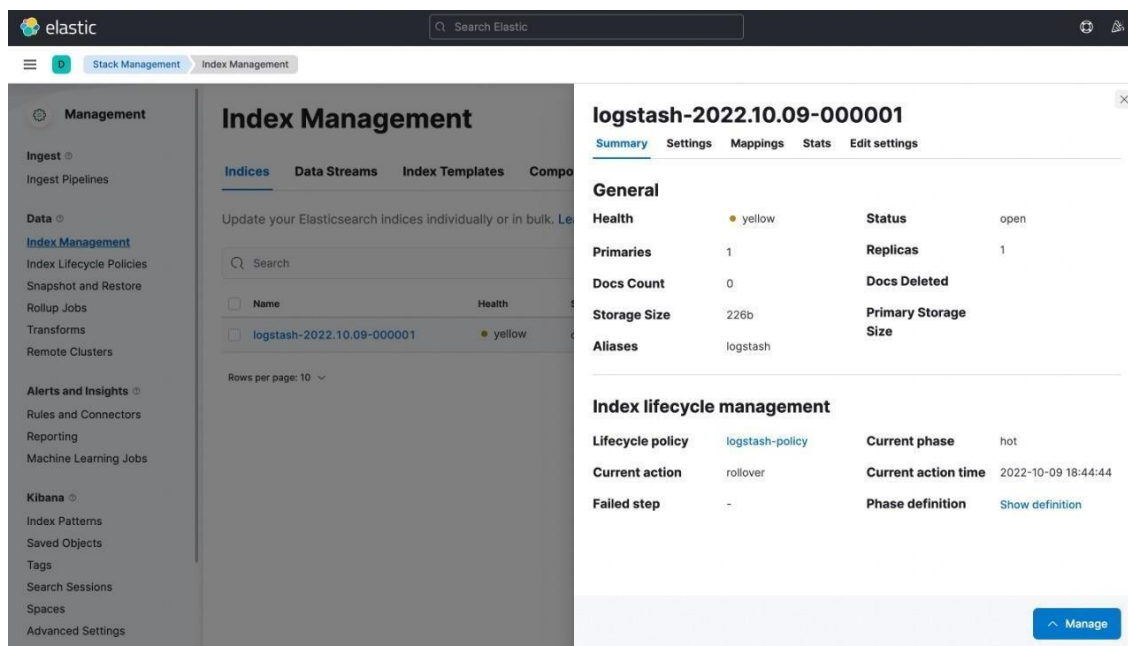
5. Explore the integrations:



6. Index Management:



7. Check Status of log file:



elastic

Search Elastic

Stack Management

Index Management

Management

Ingest

Ingest Pipelines

Data

Index Management

Index Lifecycle Policies

Snapshot and Restore

Rollup Jobs

Transforms

Remote Clusters

Alerts and Insights

Rules and Connectors

Reporting

Machine Learning Jobs

Kibana

Index Patterns

Saved Objects

Tags

Search Sessions

Spaces

Advanced Settings

Indices

Data Streams

Index Templates

Component Templates

Update your Elasticsearch indices individually or in bulk. [Learn more.](#)

Include rollout indices

Include hidden indices

Search

Lifecycle status

Lifecycle phase

Reload indices

<input type="checkbox"/>	Name	Health	Status	Primaries	Replicas	Docs count	Storage size	Data stream
<input type="checkbox"/>	.apm-custom-link	green	open	1	0	0	226b	
<input type="checkbox"/>	.kibana_task_manager_7.16.2_001	green	open	1	0	17	261.2kb	
<input type="checkbox"/>	.kibana_7.16.2_001	green	open	1	0	43	4.8mb	
<input type="checkbox"/>	logstash-2022.10.09-000001	yellow	open	1	1	0	226b	
<input type="checkbox"/>	.apm-agent-configuration	green	open	1	0	0	226b	
<input type="checkbox"/>	.ds-ilm-history-5-2022.10.09-000001	green	open	1	0	12	36.7kb	ilm-history-5
<input type="checkbox"/>	.kibana-event-log-7.16.2-000001	green	open	1	0	4	23.6kb	
<input type="checkbox"/>	.tasks	green	open	1	0	4	27.4kb	
<input type="checkbox"/>	.ds-logs-deprecation.elasticsearch-default-2022.10.09-000001	green	open	1	0	25	81.5kb	logs-deprecation.elasticsearch-default

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