**User Guide**

**This user guide is applicable for Ubuntu Linux operting systems only.**

Essentials - JDK 1.8, Eclips IDE, MySQL 5.7 Server, MySQL Workbench

**Step 1** - Extract the zip file here attached or download the project form github.

**Project Github Link - https://github.com/Kumuditha-Athukorala/panicbuyinglk**

**Step 2** - Create new Schema on MqSQL server, name with panic\_buying in Workbench.

**Step 3** - Import the attached sql file to panic\_buying database.

**Step 4** - Open up the extracted or downloaded project in Eclips IDE.

**Step 4** - Change application.properties as follows.

spring.datasource.url=jdbc:mysql://localhost:3307/panic\_buying

spring.datasource.username=root

spring.datasource.password=1234

**Step 5** - Change loj4j2.properties as follows.

property.filename = home/ku\*\*\*\*\*/logs //folder location for custom log file needs to be created.

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**ELK Setup**

ELASTICSEARCH

Install and configure Elasticsearch

1. wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.2.0-amd64.deb

2. sudo dpkg -i elasticsearch-7.2.0-amd64.deb

Configuration file Kibana

1. sudo nano /etc/elasticsearch/elasticsearch.yml

2. Change according to the attched elasticsearch.yml file.

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KIBANA

Install and configure Kibana

1. wget https://artifacts.elastic.co/downloads/kibana/kibana-7.2.0-amd64.deb

2. sudo dpkg -i kibana-7.2.0-amd64.deb

Configuration file Kibana

1. sudo nano /etc/kibana/kibana.yml

2. Change according to the attched kibana.yml file.

open web browser

1. http://server\_ip:5601/ or ip\_address:5601

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LOGSTASH

Install and configure Logstash

1. wget https://artifacts.elastic.co/downloads/logstash/logstash-7.2.0.deb

2. sudo dpkg -i logstash-7.2.0.deb

Configuration file logstash

1. sudo nano /etc/logstash/logstash.yml

2. Change according to the attached logstash.yml file.

3. Copy and paste the logstash.conf file into /etc/logstash/conf.d

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Filebeat

Install and configure Logstash

1. wget https://artifacts.elastic.co/downloads/beats/filebeat/filebeat-7.2.0-amd64.deb

2. sudo dpkg -i filebeat-7.2.0-amd64.deb

Configuration file logstash

1. sudo nano /etc/filebeat/filebeat.yml

2. Change according to the attched filebeat.yml file.

3. Change paths section according to the custom log file's location.

eg:- /home/kum\*\*\*\*/logs/panicbuyinglk.log

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Start Services as follows:

sudo service elasticsearch start

sudu service kibana start

sudo service logstash start

sudo service filebeat start

restart, stop, status actions can be performed according to the demand.

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Sometime it may require to invoke the logstash changes forcefully. Following commands will work such situations.

/usr/share/logstash

bin/logstash -f /etc/logstash/conf.d/beats-input.conf --config.reload.aotomatic

sudo bin/logstash -f /etc/logstash/conf.d/logstash.conf

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Sample User Credentials

Admin :- un- kuma@gmail.com pw- kuma1234

Seller:- un- ann@ymail.com pw- ann12345