import boot-elk-zipkin project. it has 4 modules in it.

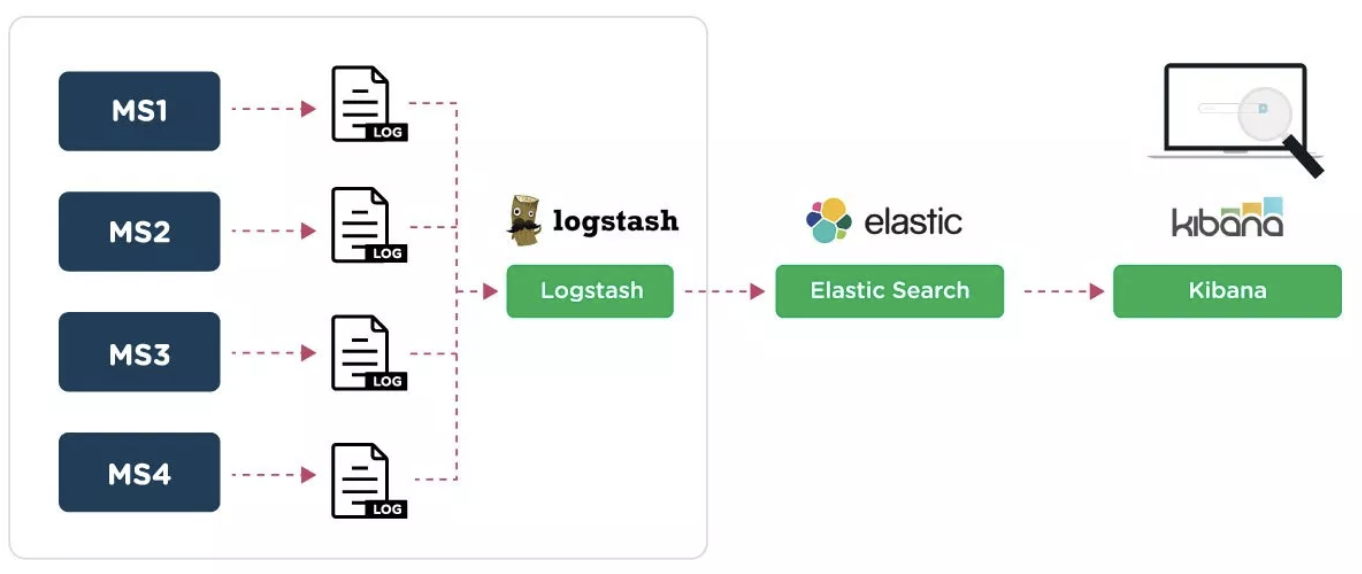
Each calling one another using rest API.

Repo location:

Build and start all 4 REST services.

Application REST call starts with: ‘http://localhost:6081/bootelkzipkin’ and then it calls intermediate REST services

First we will try to aggregate all 4 application logs and display in kibana.



Follow below steps to achieve as shown in above image:

1. Install logstash on the machine where all logs from various microservices are getting generated.
2. Put logstash.conf in logstash/bin folder. Also change the log file paths mentioned in it.

e.g. of logstash.conf:

input {

file {

type => "java"

path => "/Users/logs/app2.log"

}

file {

type => "java"

path => "/Users/lolgs/zip\*.log"

}

}

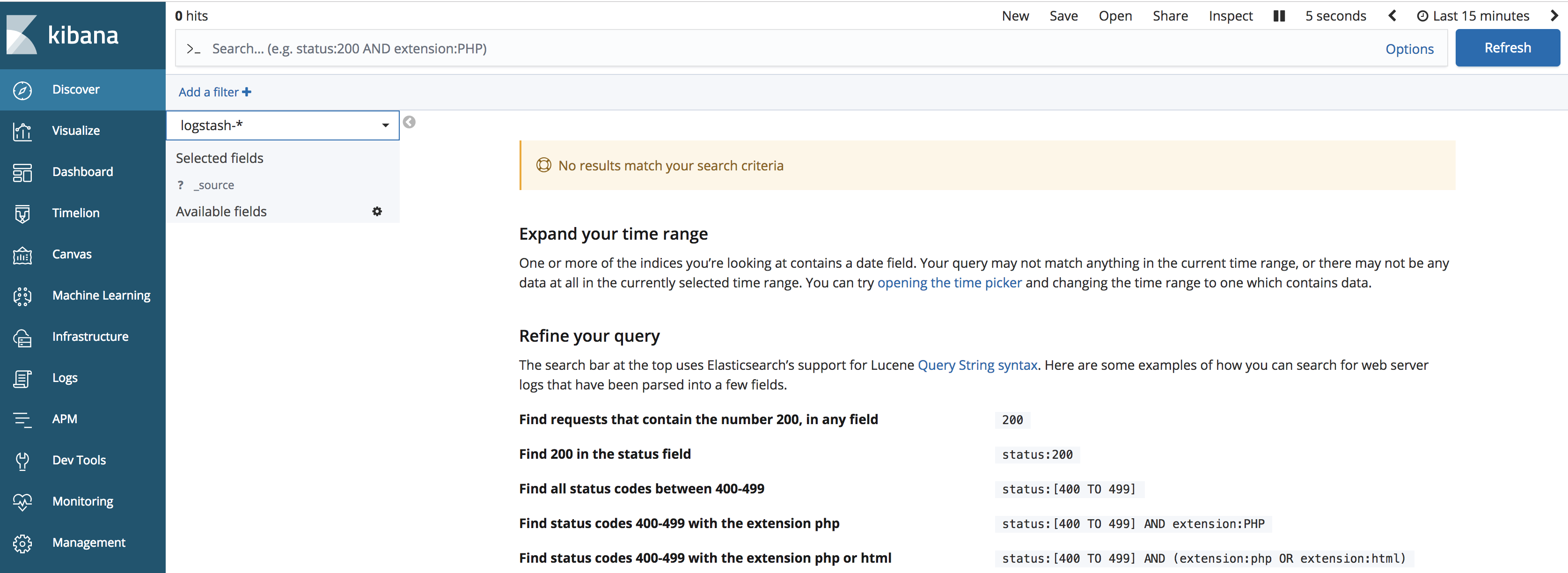
output {

elasticsearch { hosts => ["localhost:9200"] }

}

You can add filter in the above file if you want.

1. The output in logstash.conf is the location where elasticsearch is running. I am installing elasticsearch on my local system itself.
2. Install elasticsearch
3. Install kibana
4. Uncomment ‘elasticsearch.hosts: ["<http://localhost:9200>"]’ in kibana.yml in kibana/config folder
5. Then run elasticsearch and wait till it starts 🡪 elasticsearch-6.6.1/bin 🡪 ./elasticsearch  
   Verify - <http://localhost:9200/> 🡪 Response = 200
6. Now run, logstash, wait till it starts. 🡪 logstash-6.6.1/bin 🡪 ./logstash -f logstash.conf  
   verify - <http://localhost:9600/> 🡪 response = 200
7. Then run kibana 🡪 kibana-6.6.1-darwin-x86\_64/bin/ 🡪 ./kibana
8. Open kibana dashboard 🡪 http://localhost:5601/app/kibana
9. Create index with logstash-\* 🡪 Management 🡪 Index Patterns 🡪 create index pattern 🡪 enter ‘logstash-\*’ in Index pattern 🡪 click next step 🡪 select @timestamp in time filter field name and then click create index pattern
10. Go to discover tab in kibana dashboard
11. Set auto-refresh to 5 sec.



1. Make sure that logstash-\* index is selected
2. Hit the application