Install Maven:

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yum install maven

mvn -version

**Steps:**

cd apm-elk-java

**To build Spring Boot jar file**

mvn package

**Build and start containers:**

docker-compose -f docker/docker-compose.yml up -d

**Check containers status:**

docker-compose -f docker/docker-compose.yml ps

you should see 5 containers: Elasticsearch, MySQL, Kibana, APM server and the java service. Refer the below screen shot:

A screen shot of a computer

Description automatically generated

Curl commands to populate the metrics:

* curl -X POST <http://localhost:8080/api/v1/users> -H "Content-Type: application/json" -d '{"name":"King”,"email":"king@gmail.com"}'
* curl -X POST <http://localhost:8080/api/v1/users> -H "Content-Type: application/json" -d '{"name":"Foo Bar","email":"[foo@bar.com](mailto:foo@bar.com)"}'
* curl -X GET <http://localhost:8080/api/v1/users/1>
* curl -X GET <http://localhost:8080/api/v1/users/2>
* curl -X DELETE <http://localhost:8080/api/v1/users/2>
* curl -X GET <http://localhost:8080/api/v1/users/1>
* curl -X GET <http://localhost:8080/api/v1/users/1>
* curl -X GET <http://localhost:8080/api/v1/users/2>