

Quarkus Course -

```
mvn io.quarkus:quarkus-maven-plugin:1.3.0.Final:create \
  -DprojectId=tech.donau \
  -DprojectArtifactId=gelf \
  -DclassName="tech.donau.HelloResource" \
  -Dpath="/hello" \
  -Dextensions="logging-gelf"

quarkus.log.handler.gelf.enabled=true
quarkus.log.handler.gelf.host=localhost
quarkus.log.handler.gelf.port=12201

# Graylog

version: '3.2'

services:
  elasticsearch:
    image: docker.elastic.co/elasticsearch/elasticsearch-oss:6.8.2
    ports:
      - "9200:9200"
    environment:
      ES_JAVA_OPTS: "-Xms512m -Xmx512m"
    networks:
      - graylog

  mongo:
    image: mongo:4.0
    networks:
      - graylog

  graylog:
    image: graylog/graylog:3.1
    ports:
      - "9000:9000"
      - "12201:12201/udp"
      - "1514:1514"
    environment:
      GRAYLOG_HTTP_EXTERNAL_URI: "http://127.0.0.1:9000/"
    networks:
      - graylog
    depends_on:
      - elasticsearch
      - mongo

networks:
  graylog:
    driver: bridge

curl -H "Content-Type: application/json" -H "Authorization: Basic YWRtaW46YWRtaW4=" -H "X-Requested-By: curl" -X POST -v -d \
'{"title":"udp input","configuration":
{"recv_buffer_size":262144,"bind_address":"0.0.0.0","port":12201,"decompress_size_limit":8388608},"type":"org.gr
2.inputs.gelf.udp.GELFUDPIInput","global":true}' \
http://localhost:9000/api/system/inputs

# logstash

Create file ./pipelines/gelf.conf
```

```
input {
  gelf {
    port => 12201
  }
}
output {
  stdout {}
  elasticsearch {
    hosts => ["http://elasticsearch:9200"]
  }
}

## Docker-compose

version: '3.2'

services:
  elasticsearch:
    image: docker.elastic.co/elasticsearch/elasticsearch-oss:6.8.2
    ports:
      - "9200:9200"
      - "9300:9300"
    environment:
      ES_JAVA_OPTS: "-Xms512m -Xmx512m"
    networks:
      - elk

  logstash:
    image: docker.elastic.co/logstash/logstash-oss:6.8.2
    volumes:
      - source: ./pipelines
        target: /usr/share/logstash/pipeline
        type: bind
    ports:
      - "12201:12201/udp"
      - "5000:5000"
      - "9600:9600"
    networks:
      - elk
    depends_on:
      - elasticsearch

  kibana:
    image: docker.elastic.co/kibana/kibana-oss:6.8.2
    ports:
      - "5601:5601"
    networks:
      - elk
    depends_on:
      - elasticsearch

networks:
  elk:
    driver: bridge
```