

Elisa Gutiérrez Párraga.

## EJERCICIO 1.

```
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ gsutil cp gs://buckets-para-elastic/commons-httpclient-3.1.jar .
Copying gs://buckets-para-elastic/commons-httpclient-3.1.jar...
/ [1 files][297.8 KiB/297.8 KiB]
Operation completed over 1 objects/297.8 KiB.
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ gsutil cp gs://buckets-para-elastic/elasticsearch-hadoop-8.14.1.jar .
Copying gs://buckets-para-elastic/elasticsearch-hadoop-8.14.1.jar...
/ [1 files][ 2.1 MiB/ 2.1 MiB]
Operation completed over 1 objects/2.1 MiB.
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$
```

## EJERCICIO 2.

```
# Enable security features
xpack.security.enabled: false

xpack.security.enrollment.enabled: true

# Enable encryption for HTTP API client connections, such as Kibana, Logstash, and Agents
xpack.security.http.ssl:
  enabled: false
  keystore.path: certs/http.p12

# Enable encryption and mutual authentication between cluster nodes
xpack.security.transport.ssl:
  enabled: true
  verification_mode: certificate
  keystore.path: certs/transport.p12
  truststore.path: certs/transport.p12
# Create a new cluster with the current node only
# Additional nodes can still join the cluster later
cluster.initial_master_nodes: ["instance-elasticsearch-kibana"]

# Allow HTTP API connections from anywhere
# Connections are encrypted and require user authentication
http.host: 0.0.0.0

# Allow other nodes to join the cluster from anywhere
# Connections are encrypted and mutually authenticated
#transport.host: 0.0.0.0

#----- END SECURITY AUTO CONFIGURATION -----
elisa_gp_9@instance-elasticsearch-kibana:~$ sudo service elasticsearch restart
elisa_gp_9@instance-elasticsearch-kibana:~$
```

## EJERCICIO 3.

```
ssh.cloud.google.com/v2/ssh/projects/bd14-project-439417/zones/europe-central2-b/instances/cluster-elisa-m?authuser=0&hl=es_419&projectNumber=1031506547577&useAd...
https://ssh.cloud.google.com/v2/ssh/projects/bd14-project-439417/zones/europe-central2-b/instances/cluster-elisa-m?authuser=0&hl=es_419&projectNu...
SSH en el navegador SUBIR ARCHIVO DESCARGAR ARCHIVO

elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo sed -i '$d' /etc/hive/conf.dist/hive-site.xml
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo sed -i '$a \ <property>\n <name>es.nodes</name>\n <value>34.175.211.90</va
lue>\n </property>\n' /etc/hive/conf.dist/hive-site.xml
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo sed -i '$a \ <property>\n <name>es.port</name>\n <value>9200</value>\n </
property>\n' /etc/hive/conf.dist/hive-site.xml
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo sed -i '$a \ <property>\n <name>es.nodes.wan.only</name>\n <value>true</va
lue>\n </property>\n' /etc/hive/conf.dist/hive-site.xml
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo sed -i '$a \ <property>\n <name>hive.aux.jars.path</name>\n <value>/usr/lib
/hive/lib/elasticsearch-hadoop-8.14.1.jar,/usr/lib/hive/lib/commons-httpclient-3.1.jar</value>\n </property>\n</configuration>' /etc/hive/c
onf.dist/hive-site.xml
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo cp elasticsearch-hadoop-8.14.1.jar /usr/lib/hive/lib/
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo cp commons-httpclient-3.1.jar /usr/lib/hive/lib/
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ ^C
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ tail -n 20 /etc/hive/conf.dist/hive-site.xml
<property>
  <name>es.nodes</name>
  <value>34.175.211.90</value>
</property>

<property>
  <name>es.port</name>
  <value>9200</value>
</property>

<property>
  <name>es.nodes.wan.only</name>
  <value>true</value>
</property>

<property>
  <name>hive.aux.jars.path</name>
  <value>/usr/lib/hive/lib/elasticsearch-hadoop-8.14.1.jar,/usr/lib/hive/lib/commons-httpclient-3.1.jar</value>
</property>
</configuration>
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$ sudo service hive-server2 restart
elisa_gp_9@cluster-elisa-m:/usr/lib/hadoop-mapreduce$
```

EJERCICIO 4.

https://ssh.cloud.google.com/v2/ssh/projects/bd14-project-439417/zones/europe-central2-b/instances/cluster-elisa-m?authuser=0&hl=es\_419&projectNu...

SSH en el navegador

SUBIR ARCHIVODESCARGAR ARCHIVO

```
{
  "errors": false,
  "took": 153,
  "items": [
    {
      "index": {
        "index": "alumnos",
        "id": "3",
        "version": 1,
        "result": "created",
        "shards": {
          "total": 2,
          "successful": 1,
          "failed": 0,
          "seq_no": 1,
          "primary_term": 1,
          "status": 201
        }
      },
      "index": {
        "index": "alumnos",
        "id": "4",
        "version": 1,
        "result": "created",
        "shards": {
          "total": 2,
          "successful": 1,
          "failed": 0,
          "seq_no": 2,
          "primary_term": 1,
          "status": 201
        }
      },
      "index": {
        "index": "alumnos",
        "id": "5",
        "version": 1,
        "result": "created",
        "shards": {
          "total": 2,
          "successful": 1,
          "failed": 0,
          "seq_no": 3,
          "primary_term": 1,
          "status": 201
        }
      },
      "index": {
        "index": "alumnos",
        "id": "6",
        "version": 1,
        "result": "created",
        "shards": {
          "total": 2,
          "successful": 1,
          "failed": 0,
          "seq_no": 4,
          "primary_term": 1,
          "status": 201
        }
      },
      "index": {
        "index": "alumnos",
        "id": "8",
        "version": 1,
        "result": "created",
        "shards": {
          "total": 2,
          "successful": 1,
          "failed": 0,
          "seq_no": 5,
          "primary_term": 1,
          "status": 201
        }
      }
    ]
  },
  "timed_out": false,
  "shards": {
    "total": 1,
    "successful": 1,
    "skipped": 0,
    "failed": 0
  },
  "hits": {
    "total": {
      "value": 6,
      "relation": "eq"
    },
    "max_score": 1.0,
    "hits": [
      {
        "index": "alumnos",
        "id": "6",
        "score": 1.0,
        "source": {
          "title": "New Document",
          "content": "This is a new document for the master class",
          "tag": {
            "general",
            "testing"
          }
        }
      },
      {
        "index": "alumnos",
        "id": "3",
        "score": 1.0,
        "source": {
          "id": 3,
          "name": "Carlos",
          "last_name": "González"
        }
      },
      {
        "index": "alumnos",
        "id": "4",
        "score": 1.0,
        "source": {
          "id": 4,
          "name": "María",
          "last_name": "López"
        }
      },
      {
        "index": "alumnos",
        "id": "5",
        "score": 1.0,
        "source": {
          "id": 5
        }
      }
    ]
  }
}
```

EJERCICIO 5.



