

console.cloud.google.com/storage/browser/bucket--para-elastic?tab=objects&hl=es&project=bd14-project-439310&prefix=&forceOnObjectsSortingFiltering=false

Google Cloud bd14-project Buscar (/) recursos, documentos, productos y más

Estado de prueba gratuita: crédito por €266.84 y 47 días restantes. Activa tu cuenta completa para obtener acceso ilimitado a todas las funciones de Google Cloud. Usa la tarjeta de crédito.

### Cloud Storage

Detalles del bucket

bucket--para-elastic

Ubicación: europe-west1 (Bélgica) Clase de almacenamiento: Standard Acceso público: No público Protección: Borrado de forma no definitiva

Objetos

Nombre	Tamaño	Tipo	Fecha de creación
commons-httpclient-3.1.jar	297.9 KB	application/octet-stream	1 nov 2024 10:34
elasticsearch-hadoop-8.14.1.jar	2.1 MB	application/octet-stream	1 nov 2024 10:34

SSH en el navegador

```
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1070-gcp x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/pro

System information as of Fri Nov 1 13:28:35 UTC 2024

System load:  0.13               Processes:    159
Usage of /:   31.6% of 48.27GB   Users logged in: 1
Memory usage: 41%              IPv4 address for ens4: 10.132.0.4
Swap usage:   0%

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
  just raised the bar for easy, resilient and secure K8s cluster deployment.
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

1 update can be applied immediately.
To see these additional updates run: apt list --upgradable

7 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '22.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Fri Nov 1 13:18:45 2024 from 35.235.240.113
mibuzonamigo@cluster-hadoop-1-m:~$ gsutil cp gs://bucket--para-elastic/elasticsearch-hadoop-8.14.1.jar .
Copying gs://bucket--para-elastic/elasticsearch-hadoop-8.14.1.jar...
/ [1 files][ 2.1 MiB/ 2.1 MiB]
Operation completed over 1 objects/2.1 MiB.
mibuzonamigo@cluster-hadoop-1-m:~$ gsutil cp gs://bucket--para-elastic/commons-httpclient-3.1.jar .
Copying gs://bucket--para-elastic/commons-httpclient-3.1.jar...
/ [1 files][297.8 KiB/297.8 KiB]
Operation completed over 1 objects/297.8 KiB.
mibuzonamigo@cluster-hadoop-1-m:~$
```

ssh.cloud.google.com/v2/ssh/projects/bd14-project-439310/zones/europe-west1-d/instances/elastic-1?authuser=0&hl=es\_419&...

### SSH en el navegador

```
#
#action.destructive_requires_name: false
#----- BEGIN SECURITY AUTO CONFIGURATION -----
# The following settings, TLS certificates, and keys have been automatically
# generated to configure Elasticsearch security features on 01-11-2024 13:44:34
# -----
# 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: ["elastic-1"]

# 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 -----
mibuzonamigo@elastic-1:~$
```

Se trata de un comando que nos mostrará un log donde veremos cualquier error o problema en la ejecución y una explicación del mismo.

b)

```
sudo cat /etc/elasticsearch/elasticsearch.yml
```

Así accederemos al fichero que tiene el problema, en este ejemplo, '[/etc/elasticsearch/elasticsearch.yml](#)' para poder hacer una revisión.

Si no hay ningún problema, seguimos adelante.

```
ssh.cloud.google.com/v2/ssh/projects/bd14-project-439310/zones/europe-west1-d/instances/cluster-hadoop-1-m?authuser=0&hl=es_41...
ssh.cloud.google.com/v2/ssh/projects/bd14-project-439310/zones/europe-west1-d/instances/cluster-hadoop-1-m?authuser=...

SSH en el navegador SUBIR ARCHIVO DESCARGAR ARCHIVO

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https://ubuntu.com/engage/secure-kubernetes-at-the-edge

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Run 'do-release-upgrade' to upgrade to it.

Last login: Fri Nov 1 13:18:45 2024 from 35.235.240.113
mibuzonamigo@cluster-hadoop-1-m:~$ gsutil cp gs://bucket--para-elastic/elasticsearch-hadoop-8.14.1.jar .
Copying gs://bucket--para-elastic/elasticsearch-hadoop-8.14.1.jar...
/ [1 files][ 2.1 MiB/ 2.1 MiB]
Operation completed over 1 objects/2.1 MiB.
mibuzonamigo@cluster-hadoop-1-m:~$ gsutil cp gs://bucket--para-elastic/commons-httpclient-3.1.jar .
Copying gs://bucket--para-elastic/commons-httpclient-3.1.jar...
/ [1 files][297.8 KiB/297.8 KiB]
Operation completed over 1 objects/297.8 KiB.
mibuzonamigo@cluster-hadoop-1-m:~$ sudo sed -i 's/d' /etc/hive/conf.dist/hive-site.xml
mibuzonamigo@cluster-hadoop-1-m:~$ sudo sed -i 's/a \ <property>\n <name>es.nodes</name>\n <value>34.78.12
.93</value>\n </property>\n' /etc/hive/conf.dist/hive-site.xml
mibuzonamigo@cluster-hadoop-1-m:~$ sudo sed -i 's/a \ <property>\n <name>es.port</name>\n <value>9200</val
ue>\n </property>\n' /etc/hive/conf.dist/hive-site.xml
mibuzonamigo@cluster-hadoop-1-m:~$ sudo sed -i 's/a \ <property>\n <name>es.nodes.wan.only</name>\n <value
>true</value>\n </property>\n' /etc/hive/conf.dist/hive-site.xml
mibuzonamigo@cluster-hadoop-1-m:~$ sudo sed -i 's/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 </pro
perty>\n</configuration>' /etc/hive/conf.dist/hive-site.xml
mibuzonamigo@cluster-hadoop-1-m:~$ sudo cp elasticsearch-hadoop-8.14.1.jar /usr/lib/hive/lib/
mibuzonamigo@cluster-hadoop-1-m:~$ sudo cp commons-httpclient-3.1.jar /usr/lib/hive/lib/
mibuzonamigo@cluster-hadoop-1-m:~$ sudo service hive-server2 restart
mibuzonamigo@cluster-hadoop-1-m:~$
```



```
ssh.cloud.google.com/v2/ssh/projects/bd14-project-439310/zones/europe-west1-d/instances/elastic-1?authuser=0&hl=es_419&projectN...
SSH en el navegador
SUBIR ARCHIVO
DESCARGAR ARCHIVO

# 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: ["elastic-1"]

# 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 -----
mibuzonamigo@elastic-1:~$ curl -X POST "localhost:9200/alumnos/_doc/6" -H 'Content-Type: application/json' -d'
>
>   "title": "New Document",
>   "content": "This is a new document for the master class",
>   "tag": ["general", "testing"]
>
>
{"_index": "alumnos", "_id": "6", "version": 1, "result": "created", "_shards": {"total": 2, "successful": 1, "failed": 0}, "_
seq_no": 0, "primary term": 1}
mibuzonamigo@elastic-1:~$
{
  "index": {
    "_index": "alumnos",
    "_id": "5"
  },
  {
    "id": 5, "name": "Luis", "last_name": "Martínez"
  },
  {
    "index": {
      "_index": "alumnos",
      "_id": "7"
    },
    {
      "id": 7, "name": "Sofía", "last_name": "Ramírez"
    },
    {
      "index": {
        "_index": "alumnos",
        "_id": "8"
      },
      {
        "id": 8, "name": "Pedro", "last_name": "Hernández"
      }
    },
    ...
  },
  ...
}

Podemos comprobar que efectivamente se ha creado con una sencilla consulta:

Hagamos una consulta para ahora para ver los datos insertados:
...
curl -X GET "http://34.78.12.93:9200/alumnos/_search?pretty"
...

##**ENTREGABLE PARTE 4**:
```

```
ssh.cloud.google.com/v2/ssh/projects/bd14-project-439310/zones/europe-west1-d/instances/cl...
SSH en el navegador
SUBIR ARCHIVO

{
  "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,
          "name": "Luis",
          "last_name": "Martínez"
        },
        {
          "index": "alumnos",
          "id": "7",
          "score": 1.0,
          "source": {
            "id": 7,
            "name": "Sofía",
            "last_name": "Ramírez"
          },
          {
            "index": "alumnos",
            "id": "8",
            "score": 1.0,
            "source": {
              "id": 8,
              "name": "Pedro",
              "last_name": "Hernández"
            },
            ...
          },
          ...
        },
        ...
      },
      ...
    },
    ...
  },
  ...
}

mibuzonamigo@cluster-hadoop-1-m:~$
```