## **Elasticsearch for Apache Hadoop**

### Parte 1 – Configuración ES-Hadoop

Se crea clúster single-node con nombre hive-cluster, en la foto se realiza una petición al servicio de Elasticsearch.



#### Parte 2 – Configuración server Elasticsearch

Se crea instancia instancia-elasticsearch se agrega a la red las ip de mi local y la de la instancia hive-cluster donde se encuentra el clúster, y se crean dos reglas firewall, allow-elasticsearch y allow-kibana. Por otra parte, se configura el archivo elasticsearch.yml

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SSH en el navegador
                                                                              ★ SUBIR ARCHIVO

◆ DESCARGAR ARCHIVO

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# Pass an initial list of hosts to perform discovery when this node is started:
# The default list of hosts is ["127.0.0.1", "[::1]"]
discovery.seed_hosts: ["host1", "host2"]
# Bootstrap the cluster using an initial set of master-eligible nodes:
#cluster.initial_master_nodes: ["node-1", "node-2"]
‡ For more information, consult the discovery and cluster formation module documentation.
                       ----- Various -----
# Allow wildcard deletion of indices:
#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 16-10-2024 23:52:21
# 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: true
   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.pl2

‡ Create a new cluster with the current node only
# Additional nodes can still join the cluster later cluster.initial master nodes: ["instance-elasticsearch"]
# Allow HTTP API connections from anywhere
# Connections are encrypted and require user authentication
http.host: 0.0.0.0
http.port: 9200
‡ 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 -
  dmabba@instance-elasticsearch:~$
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# Parte 3 – Configuración del Clúster Hadoop de conexión

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## Parte 4 – A conectar datos

Se crea a través del POST la creación del índice de alumnos y se realiza una petición GET al \_search para obtener todos los documentos que pertenecen al índice.

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## Parte 5 – Kibana

