

Elastic and Kibana QA Setup

Step-by-step guide

1. Install Elastic

a. `wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.10.2-x86_64.rpm`
`sudo rpm --install elasticsearch-7.10.2-x86_64.rpm`

b. **Config :**

i. Go to `/etc/elasticsearch`, override below props:

elasticsearch.yml

```
node.name: hol-qa-elastic
network.host: 0.0.0.0
http.port: 9200
cluster.initial_master_nodes: ["hol-qa-elastic"]
```

c. **Start service**

```
systemctl enable elasticsearch.service
systemctl start elasticsearch.service
systemctl status elasticsearch.service
```

d. **Test :**

Input

```
curl -X GET 'http://localhost:9200'
```

Expected Output

```
{
  "name": "hol-qa-elastic",
  "cluster_name": "elasticsearch",
  "cluster_uuid": "TfJ3JU3MTqCf-700Vp2dbg",
  "version": {
    "number": "7.10.2",
    "build_flavor": "default",
    "build_type": "rpm",
    "build_hash": "747e1cc71def077253878a59143c1f785afa92b9",
    "build_date": "2021-01-13T00:42:12.435326Z",
    "build_snapshot": false,
    "lucene_version": "8.7.0",
    "minimum_wire_compatibility_version": "6.8.0",
    "minimum_index_compatibility_version": "6.0.0-beta1"
  },
  "tagline": "You Know, for Search"
}
```

2. Install Kibana

a. `wget https://artifacts.elastic.co/downloads/kibana/kibana-7.10.2-x86_64.rpm`
`sudo rpm --install kibana-7.10.2-x86_64.rpm`

b. **Config:**

i. Go to `/etc/kibana`, override below props:

kibana.yml

```
server.port: 5601
server.host: "0.0.0.0"
server.name: "hol-qa-kibana"
elasticsearch.hosts: ["http://localhost:9200"]
```

c. Start service

```
systemctl enable kibana.service
systemctl start kibana.service
systemctl status kibana.service
```

d. Test: Open `<host>:5601/app/dev_tools#/console`

The screenshot shows the Elastic Dev Tools console interface. The browser address bar displays `172.16.43.225:5601/app/dev_tools#/console`. The Elastic logo and a search bar are at the top. Below the navigation bar, the 'Console' tab is selected. The console shows a single request: `1 GET _cat/indices`. The response is a table of indices:

Index	Color	Health	Open	Index Name	Index ID
.apm-custom-link	green	open		.apm-custom-link	CZkk6io6Tf0mD
.kibana_task_manager_1	green	open		.kibana_task_manager_1	mXmFWYFLQua_y
.apm-agent-configuration	green	open		.apm-agent-configuration	itvd0KjFT3SM_
elastic_cityhotels_v4_1675921733915	yellow	open		elastic_cityhotels_v4_1675921733915	VfF7V4f8RPacv
elastic_cityhotels_v5_1675924203696	yellow	open		elastic_cityhotels_v5_1675924203696	cJC3VQ4CQuiZy
.kibana_1	green	open		.kibana_1	hKUdZ0y9QUuBP
.kibana-event-log-7.10.2-000001	green	open		.kibana-event-log-7.10.2-000001	SVi1kj2pRJuKS

Related articles

<https://www.elastic.co/guide/en/kibana/7.10/rpm.html>

<https://www.elastic.co/guide/en/elasticsearch/reference/7.10/rpm.html>