

ELASTICSEARCH INSTALLATION

Install the ElasticSearch

```
sudo apt-get install elasticsearch
```

Start the Service

```
sudo systemctl start elasticsearch
```

Check Installation

```
curl -X GET "localhost:9200"
```

Expected output

```
{
  "name" : "prakriti42",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "J43H2oRzQP2thfKo3oe70A",
  "version" : {
    "number" : "7.10.1",
    "build_flavor" : "default",
    "build_type" : "deb",
    "build_hash" : "1c34507e66d7db1211f66f3513706fdf548736aa",
    "build_date" : "2020-12-05T01:00:33.671820Z",
    "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"
}
```

KIBANA INSTALLATION

Install the Package

```
sudo apt-get install kibana=7.10.1
```

Start the Service

```
sudo systemctl start kibana
```

Open kibana on browser,

<http://localhost:5601>

Expected output



LOGSTASH INSTALLATION

Logstash is a tool that collects data from different sources. The data it collects is parsed by Kibana and stored in Elasticsearch.

Install the Package

```
sudo apt-get install logstash
```

Start the Service

```
sudo systemctl start logstash
```

Check status,

```
sudo systemctl status logstash
```

Expected output

```
● logstash.service - logstash
   Loaded: loaded (/etc/systemd/system/logstash.service; disabled; vendor preset: enabled)
   Active: active (running) since Mon 2024-04-29 09:26:44 +0545; 9s ago
     Main PID: 35360 (java)
       Tasks: 25 (limit: 18813)
      Memory: 655.3M
         CPU: 39.444s
    CGroup: /system.slice/logstash.service
            └─35360 /usr/share/logstash/jdk/bin/java -Xms1g -Xmx1g -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOo

Apr 29 09:26:44 prakriti42 systemd[1]: Started logstash.
Apr 29 09:26:44 prakriti42 logstash[35360]: Using bundled JDK: /usr/share/logstash/jdk
Apr 29 09:26:44 prakriti42 logstash[35360]: OpenJDK 64-Bit Server VM warning: Option UseConcMarkSweepGC was deprecated in the previous
```