

# SSI v2 5.4 Local installation for Elastic/Kibana

This tries to give steps to install Elastic Search and Kibana locally.

This is useful when you are making changes to logged data and want to build your dashboard locally before loading the code changes to UAT.

We recommend installing Elastic Search > 1.4.5 and Kibana 3 + Kibana 4 locally.

Elastic Search versions above 1.7.x only work with Kibana 4 (see [compatibility matrix](#))

- Elastic Search 1.3 and Kibana 3
- Elastic Search 1.6 and Kibana 4
- Kibana 3 + Kibana 4 on any Elastic ( minimum 1.4.5 )

## Elastic Search 1.3 and Kibana 3

Here, i install ES in a folder FMvalue, Kibana in public\_html, and my server is on lonlnx53, user amuni

1. Download Elastic Search from <https://www.elastic.co/downloads/past-releases/elasticsearch-1-3-9>  
mkdir FMvalue  
cd FMvalue  
unzip elasticsearch-1.3.9.zip
2. Download Oracle JDK (not the JRE) on Linux : <http://www.oracle.com/technetwork/java/javase/downloads/jre7-downloads-1880261.html>  
export JAVA\_HOME=`pwd`/jdk1.7.0\_80
3. Boot the Elastic search server, supply a cluster name - e.g. using your name - as otherwise it will automatically connect with other booted nodes - which can be fun but undesirable ☹️
4. ./FMvalue/elasticsearch-1.3.9/bin/elasticsearch --cluster.name <your\_name>

```
amuni@lonlnx53:~/FMvalue/elasticsearch-1.3.9/bin/elasticsearch --cluster.name amishu
[2015-07-21 19:57:43.743][INFO ][node ] [Amageddon] version[1.3.9], pid[10205], build[0915c79/2015-02-19T12:13:48Z]
[2015-07-21 19:57:43.743][INFO ][node ] [Amageddon] initializing ...
[2015-07-21 19:57:43.749][INFO ][plugins] [Amageddon] loaded [], sites []
[2015-07-21 19:57:43.940][INFO ][node ] [Amageddon] initialized
[2015-07-21 19:57:43.946][INFO ][node ] [Amageddon] starting ...
[2015-07-21 19:57:47.218][INFO ][transport] [Amageddon] bound_address [inet://0.0.0.0:9300], publish_address [inet://172.29.7.47:9300]
[2015-07-21 19:57:47.238][INFO ][discovery] [Amageddon] main/0.0.0.0/172.29.7.47:9300
[2015-07-21 19:57:50.254][INFO ][cluster.service] [Amageddon] new_master [Amageddon][09_0100h7RyoKfK2ye5A][lonlnx53][inet://172.29.7.47:9300], reason: zen-disco-join (elected_as_master)
[2015-07-21 19:57:50.492][INFO ][http ] [Amageddon] bound_address [inet://0.0.0.0:9200], publish_address [inet://172.29.7.47:9200]
[2015-07-21 19:57:50.504][INFO ][node ] [Amageddon] started
[2015-07-21 19:57:51.130][INFO ][gateway] [Amageddon] recovered (4) indices into cluster_state
```

You can use regular Elastic search commands via curl to query or manipulate your instance. Refer the elastic.co website for details.  
e.g. [http://172.29.7.47:9200/\\_cat/health?v](http://172.29.7.47:9200/_cat/health?v)

5. Download Kibana <https://www.elastic.co/downloads/past-releases/kibana-3-1-2>  
Move to public\_html (make sure public\_html is a real directory not a virtual one), unzip  
Edit config.js to put your linux box and port ( noted in the above screenshot )  
  
//elasticsearch: "http://" + window.location.hostname + ":9200",  
elasticsearch: "http://lonlnx53.lon.amadeus.net:9200",
6. Import any data you need ( refer the script for regression region to generate JSON )
7. Access Kibana to build your dashboards at <http://lonlnx53.lon.amadeus.net/~amuni/kibana-3.1.2/#/dashboard/file/default.json>

## Elastic Search 1.6 and Kibana 4

This follows on from the steps mentioned above, minimum ES needed for Kibana 4 is 1.4.4

1. amuni@lonlnx53:~/FMvalue> unzip elasticsearch-1.6.0.zip  
export JAVA\_HOME=`pwd`/jdk1.7.0\_80  
amuni@lonlnx53:~> ./FMvalue/elasticsearch-1.6.0/bin/elasticsearch --cluster.name amisha
2. Download Kibana 4 tar file to public\_html, tar xzf ,  
Change elasticsearch\_url in config.yml to [lonlnx53.lon.amadeus.net](http://lonlnx53.lon.amadeus.net) from localhost
3. Boot Kibana too ./bin/kibana , target it via browser

```
amuni@lonlnx53:~/public_html/kibana-4.1.0-linux-x64>
./bin/kibana
{"name":"Kibana","hostname":"lonlnx53","pid":22247,"level":30,"msg":"Found kibana index","time":"2015-08-14T09:33:32.367Z","v":0}
{"name":"Kibana","hostname":"lonlnx53","pid":22247,"level":30,"msg":"Listening on 0.0.0.0:5602","time":"2015-08-14T09:33:32.379Z","v":0}
```

e.g. with <http://lonlnx53.lon.amadeus.net:5602> ( note your box and port as usual )

## Kibana 3 + Kibana 4 on any Elastic ( minimum 1.4.5 )

If you install ES 1.4.5 or above, you can play with both Kibana 3 and Kibana 4.

Install ES and Kibana versions as normal.

1. Add the following lines to `elasticsearch.yml`  
#Use with Kibana 3 and 4  
`http.cors.enabled: true`  
`http.cors.allow-origin: "/"`
2. Once you boot ES, you can now use Kibana 3 as well as Kibana 4 on the same data