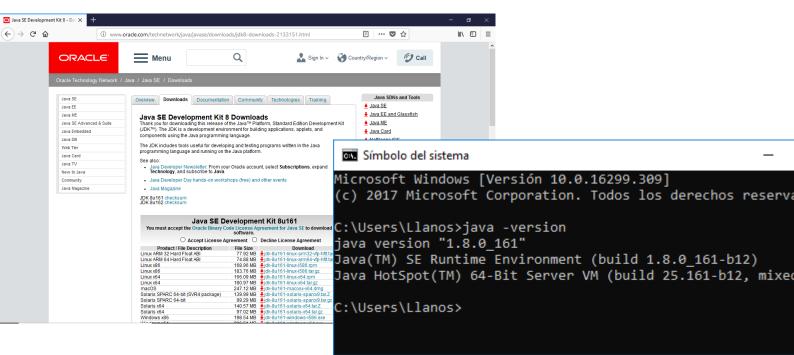
Setup instructions: Windows Desktops

Prerequisites

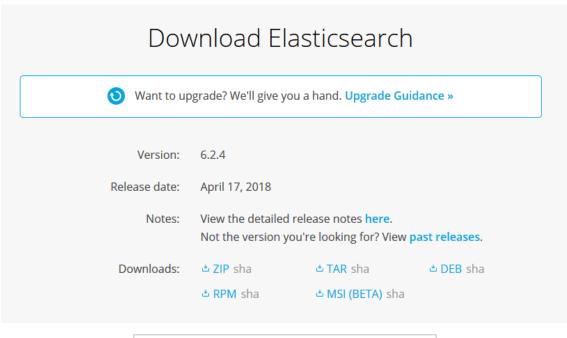
First, we must check that Java Standard Developers Kit (SDK) 7 (or higher version) is installed. In a terminal, we can check it with the order java -version. This program can be downloaded from the following link: http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

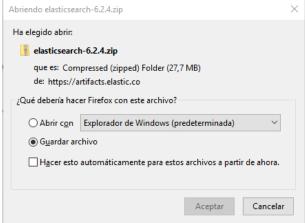


The version of Java must be a developer kit and not a run time environment. And the path to the Java installation must be added to the system path variable.

Elasticseach and Kibana installation

From the URL https://www.elastic.co/downloads/elasticsearch we download the ZIP version of Elasticsearch:





We create a folder called ELK and we unzip the zip file inside.

We can download Kibana from the following link: https://www.elastic.co/downloads/kibana. As we do with Elasticsearch, we choose the Windows version, that is the zip version. The zip file should be unzipped in the ELK folder.

Download Kibana



Want to upgrade? We'll give you a hand. Migration Guide »

Version: 6.2.4

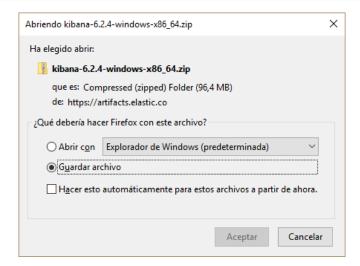
Release date: April 17, 2018

> Notes: View the detailed release notes here.

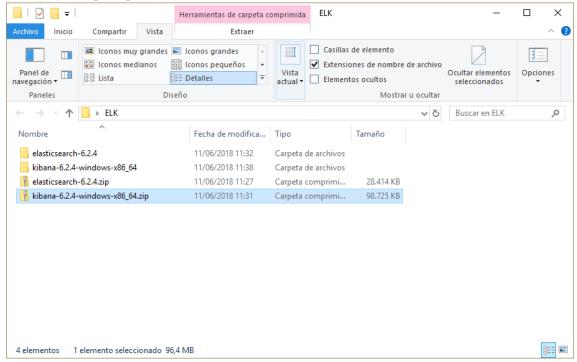
> > Not the version you're looking for? View past releases.

Downloads:

> DEB 64-BIT sha



In the following image we can see the result:



X-Pack Installation

X-Pack is an extension that allows us to perform certain machine learning functions. Its installation requires Internet connection. The detailed installation instructions can be found in the following link: https://www.elastic.co/downloads/x-pack

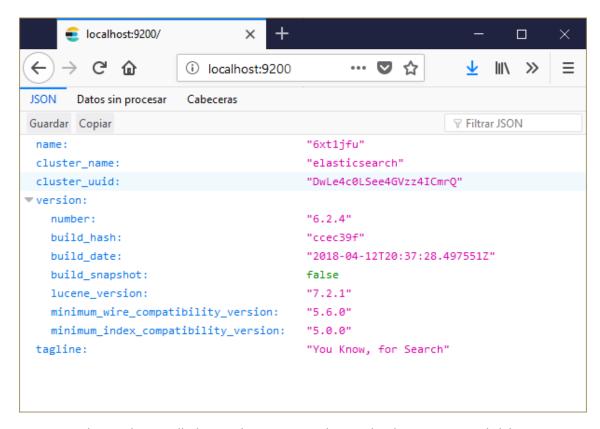
First, X-Pack must be installed in Elasticsearch with the command elasticsearch-plugin install - xpack

Once it is installed, we can run Elasticsearch with the command elasticsearch.bat:

Now, the users and passwords must be created. So, to enable default passwords we move towards x-pack directory and we use the command setup-passwords auto:

These passwords are generated randomly for each installation of X-Pack.

Once passwords are set, we can test the access to Elasticsearch. In a browser we open the link http://localhost:9200. A dialog is prompted asking username and password. If we use the credentials of elastic user the webpage is showed is the following:



Now, X-Pack must be installed into Kibana. So, we change the directory towards kibana-6.2.4-windows-x86_64/bin directory and execute command kibana-plugin install x-pack:

```
C:\Users\Llanos\Desktop\ELK\kibana-6.2.4-windows-x86_64\bin>kibana-plugin.bat install x-pack
Attempting to transfer from x-pack
Attempting to transfer from https://artifacts.elastic.co/downloads/kibana-plugins/x-pack/x-pack-6.2.4.zip
Transferring 264988487 bytes......
Transfer complete
Retrieving metadata from plugin archive
Extracting plugin archive
Extraction complete
Optimizing and caching browser bundles...
Plugin installation complete
```

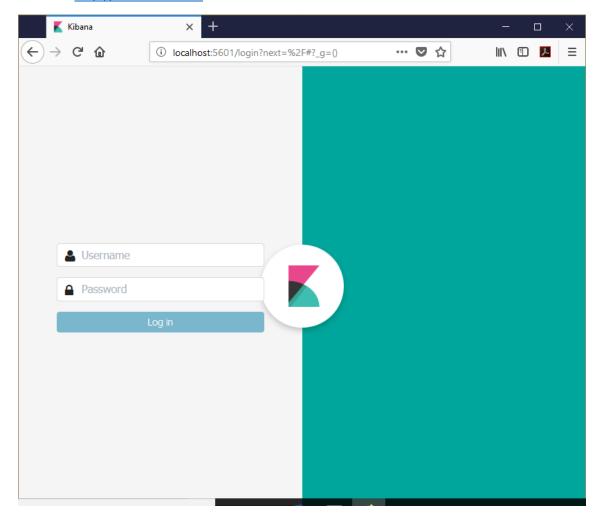
Before stating Kibana, we must configure Kibana so it founds Elasticsearch installation and it uses its use and password. Thus, we must edit the file kibana-6.2.4-windows-x86_64\config\kibana.yml as follows:

```
# The URL of the Elasticsearch instance to use for all your queries.
elasticsearch.url: "http://localhost:9200"
# When this setting's value is true <u>Kibana</u> uses the <u>hostname</u> specified in the server.host
# setting. When the value of this setting is false, <u>Kibana</u> uses the <u>hostname</u> of the host
# that connects to this Kibana instance.
#elasticsearch.preserveHost: true
# Kibana uses an index in Elasticsearch to store saved searches, visualizations and
# dashboards. Kibana creates a new index if the index doesn't already exist.
#kibana.index: ".kibana"
# The default application to load.
#kibana.defaultAppId: "home"
# If your Elasticsearch is protected with basic authentication, these settings provide
# the username and password that the Kibana server uses to perform maintenance on the Kibana
# index at startup. Your Kibana users still need to authenticate with Elasticsearch, which
# is proxied through the <u>Kibana</u> server.
elasticsearch.username: "kibana"
elasticsearch.password: "RIfVlVwvliMa8KMg2ldX"
```

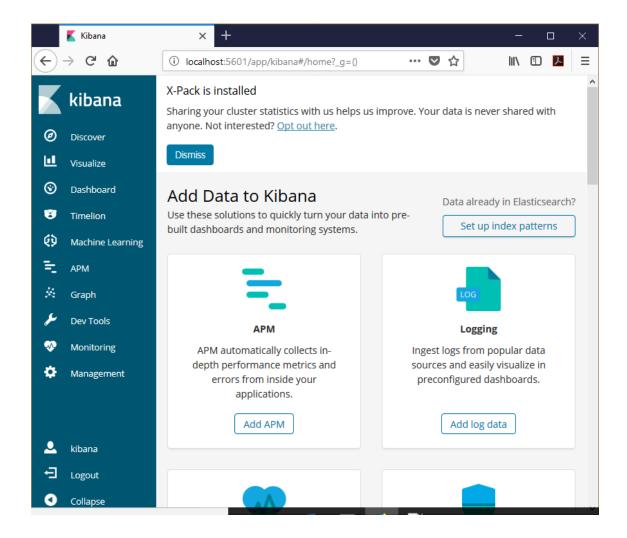
Finally, we can start Kibana:

```
C:\Users\Llanos\Desktop\ELK\kibana-6.2.4-windows-x86_64\bin>kibana
log [11:12:49.724] [info][status][plugin:kibana@6.2.4] Status changed from uninitialized to green - Ready
log [11:12:50.318] [info][status][plugin:elasticsearch@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.318] [info][status][plugin:spack_main@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.333] [info][status][plugin:searchprofiler@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.434] [info][status][plugin:ml@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.434] [info][status][plugin:waitche@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.438] [info][status][plugin:waitche@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.536] [info][status][plugin:waitche@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
log [11:12:50.536] [info][status][plugin:waitche@6.2.4] Status changed from uninitialized to yellow - Waiting for Elasticsearch
```

In order to check that we have successfully installed Kibana, we can open the following link in a browser: http://localhost:5601:



After using the Kibana username and password, the browser should show us the following page:



Setup instructions: Other Operation Systems

First, Docker must be installed.

A full docker composition for ELK with X-Pack can be found in the following link: https://hub.docker.com/r/sebp/elkx/.