



# Vagrant for ELK (elastic)

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## Configuration

### 1. Box

- The box used in this configuration is **igorbrites/ubuntu-trusty64-gui**. This runs Ubuntu 14.04.4 which is upgradable.
- A one-time download of 2.06 GB is required at first. This will be done automatically after the process is started.
- It also provides GUI support. It is disabled by default but can be enabled in the *Vagrantfile*.

### 2. Provisioning

- The following packages will be installed via shell provisioning:
  - **Java 8** (OpenJDK8)
  - **ELK (elastic) stack - 5.4.2**
    - Elasticsearch
    - Logstash
    - Kibana
    - Filebeat
    - Metricbeat
    - Packetbeat
    - Heartbeat

### 3. Forwarded Ports

- Forwarded ports allow you to access a port on your host machine and have all data forwarded to a port on the guest machine, over either TCP or UDP.
- Configured ports:
  - **9200** : Elasticsearch
  - **9600** : Logstash
  - **5601** : Kibana
  - Additional ports that can be used by beats, if required:
    - **5043**
    - **5044**
    - **5045**
    - **5046**
    - **8080**

## 4. Private Network

- Private networks allow you to access your guest machine by some address that is not publicly accessible from the global internet. In general, this means your machine gets an address in the private address space.
- Private IP assigned to the guest machine - **192.168.58.85**

## 5. Synced Folders

- Synced folders enable Vagrant to sync a folder on the host machine to the guest machine, allowing you to continue working on your project's files on your host machine, but use the resources in the guest machine to compile or run your project.
- Default synced folders:
  - Host machine: . (relative)
  - Guest machine: /vagrant (absolute)
- Configured synced folders:
  - Host machine: **./config** (relative)
  - Guest machine: **/config** (absolute)

## 6. Provider

- VirtualBox
- Default name: **elastic-5.4.2/ubuntu**
- Memory: 2 GB
- Number of CPUs: 1
- GUI: disabled