

Analytics Visualisation Deployment Manual

Note, all code snippets in this manual are designed for and tested on Debian-based Linux operating systems.

Pre-requisites

- A computer running a Debian-based Linux operating system
 - Minimum requirements
 - 6GB+ RAM
 - 15GB Disk Space
- Have a copy of the repository
- Have the following software packages installed or run the `deploy-debian.sh` script, `./deploy-debian.sh``
- Docker

```
$ sudo apt-get remove docker docker-engine docker.io
$ sudo apt-get install apt-transport-https ca-certificates curl software-properties-common
$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
$ sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu `lsb_release
-cs` stable"
$ sudo apt-get update
$ sudo apt-get install docker-ce
```

- Java 8+

```
$ sudo add-apt-repository ppa:webupd8team/java
$ sudo apt update
$ sudo apt install oracle-java8-installer
$ sudo apt-get install oracle-java8-set-default
$ export JAVA_HOME=$(readlink -f /usr/bin/javac | sed "s:/bin/javac::")
```

- Pip3

```
$ sudo apt-get install python3-pip
```

- Screen

```
$ sudo apt-get install screen
```

- Python Packages:

- docker-compose

```
$ sudo pip3 install docker-compose
```

- Flask

```
$ sudo pip3 install Flask
```

- elasticsearch

```
$ sudo pip3 install elasticsearch
```

- xmldict

```
$ sudo pip3 install xmldict
```

Instructions

1. To start the entire server, navigate to the code repository
2. Start the start script, `./start.sh``
 - This will start the elastic stack and all webpages
3. Follow the analytics deployment manual to deploy the analytics system