EDDiE On-Premise Install Guide on Linux

EDDiE supports mainstream Linux distributions. This document lists step by step guide for Ubuntu server 18.04 and AWS RedHat6.7. When the commands used in the 2 systems are different we will list both and label them, otherwise means the commands are the same for both systems. The installation process on other distributions should be similar.

Assuming EDDiE (codename Atlas) Linux bundle is downloaded as Atlas_v1.4.5_Linux.tgz, and untared to folder `Atlas_v1.4.5_Linux`.

Install Dependencies

Note: Need sudo or root user

- *Java (OpenJDK 8)*

http://openjdk.java.net/install/index.html

RedHat

```
$ sudo yum update
$ sudo yum install java-1.8.0-openjdk-devel
```

Ubuntu

```
$ sudo add-apt-repository universe
$ sudo apt-get install openjdk-8-jdk-headless
```

Installation Verification

```
java -version
```

- *Spark (2.1+, recommend 2.3)*

https://spark.apache.org/downloads.html

Note: An alternative download option is running script(`./SMV/tools/spark-install`) which uses `curl` to download spark automatically.

Add the following to your shell profile(`~/.bashrc`)

```
export PATH="path_to_your_spark/bin:${PATH}"
```

Then `source ~/.bashrc`.

Installation Verification

```
spark-submit --version
```

- *Git*

https://git-scm.com/book/en/v2/Getting-Started-Installing-Git

RedHat

```
$ sudo yum git
```

Ubuntu

```
$ sudo apt-get install git
```

If you never configured git user on this account, now is time to do so.

```
$ git config --global user.email "eddie_git_admin@yourcompany.com"
$ git config --global user.name "eddie git admin"
```

Installation Verification

```
git config --global --get user.name
git config --global --get user.email
```

Start EDDiE Service

Note: Please use ordinary user rather than root user to start EDDiE.

Init Database

```
$ ./tools/init-db.sh --demo
```

Note: **Please be very careful with this command.** EDDiE DB has info about the users, projects and configurations etc. If you already worked on EDDiE for sometime, this command can erase all the configurations you did from the UI.

Launch service

```
$ ./tools/run_atlas.sh --hadoop-conf-dir `pwd`/conf/hadoop
```

Note: If you want to restart EDDiE, just Ctrl-C to kill the process and re-run the launch command. After fish testing, suggest to launch the service from a Screen (or Tmux) session.

Access the Web UI (Chrome is highly recommended)

```
https://eddie_server_name_or_ip:10000
```

```
User/Password: admin/test
```

Note: EDDiE UI uses `https` instead of `http`. If the url of EDDiE server does not have a `https` certificate, the browsers may ask user to confirm for cert-missing the first time you login. You can just ignore it and continue access. Optionaly, if you want to make https secure, there will need some more configuration.

Beginner tutorial

https://github.com/DataSenseAnalytics/PubEddie/blob/master/beginner_tutorial/beginner_tutorial.md