

Installation

Pre-requisite:

1. Java
2. Hadoop (Optional)

Steps:

Download the latest version of Apache Flume software from the website <https://flume.apache.org/>

Step 1

Open the website. Click on the download link on the left-hand side of the home page. It will take you to the download page of Apache Flume.



Step 2

In the Download page, you can see the links for binary and source files of Apache Flume. Click on the link `apache-flume-1.6.0-bin.tar.gz`

Step 3:

Extract the file

```
$ tar zxvf apache-flume-1.6.0-bin.tar.gz
```

Step 4:

Move the file

```
$ mv apache-flume-1.6.0-bin /usr/local/Flume
```

Step 5:

Configuring Flume

To configure Flume, we have to modify three files namely, **flume-env.sh**, **flumeconf.properties**, and **bash.rc**.

Setting the Path / Classpath

In the `.bashrc` file, set the home folder, the path, and the classpath for Flume as shown below.

```
$ gedit ~/.bashrc
```

```
export FLUME_HOME=/usr/local/Flume
export PATH=$PATH:$FLUME_HOME/bin
export CLASSPATH=$FLUME_HOME/lib/*
export FLUME_CONF=$FLUME_HOME/conf/
```

Save and Close

Step 6:

conf Folder

If you open the conf folder of Apache Flume, you will have the following four files –

flume-conf.properties.template,
flume-env.sh.template,
flume-env.ps1.template, and
log4j.properties.

Now rename or move

flume-conf.properties.template file as flume-conf.properties

```
$mv /usr/local/Flume/conf/flume-conf.properties.template /usr/local/Flume/conf/flume-  
conf.properties
```

and

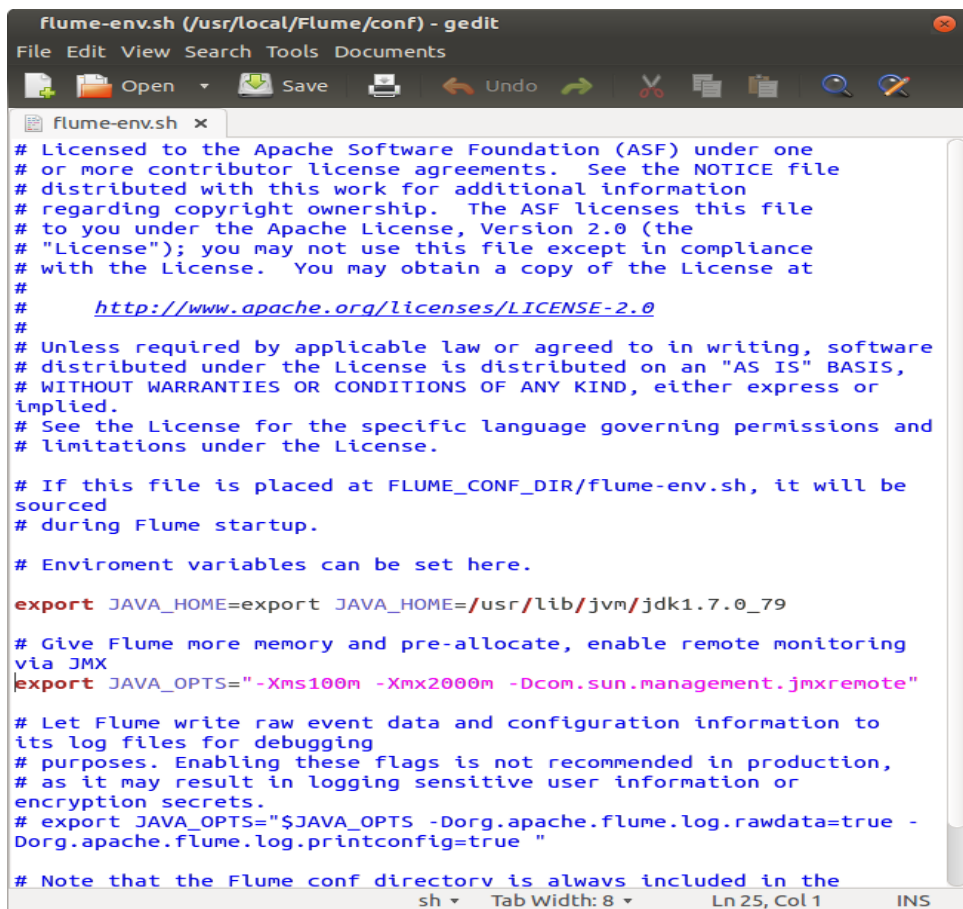
flume-env.sh.template as flume-env.sh

```
$mv /usr/local/Flume/conf/flume-env.sh.template /usr/local/Flume/conf/lume-env.sh
```

Step 7:

flume-env.sh

Open flume-env.sh file and set the JAVA_Home to the folder where Java was installed in your system.



```
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# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
# implied.
# See the License for the specific language governing permissions and
# limitations under the License.

# If this file is placed at FLUME_CONF_DIR/flume-env.sh, it will be
# sourced
# during Flume startup.

# Environment variables can be set here.

export JAVA_HOME=export JAVA_HOME=/usr/lib/jvm/jdk1.7.0_79

# Give Flume more memory and pre-allocate, enable remote monitoring
# via JMX
export JAVA_OPTS="-Xms100m -Xmx2000m -Dcom.sun.management.jmxremote"

# Let Flume write raw event data and configuration information to
# its log files for debugging
# purposes. Enabling these flags is not recommended in production,
# as it may result in logging sensitive user information or
# encryption secrets.
# export JAVA_OPTS="$JAVA_OPTS -Dorg.apache.flume.log.rawdata=true -
# Dorg.apache.flume.log.printconfig=true "

# Note that the Flume conf directory is always included in the
```

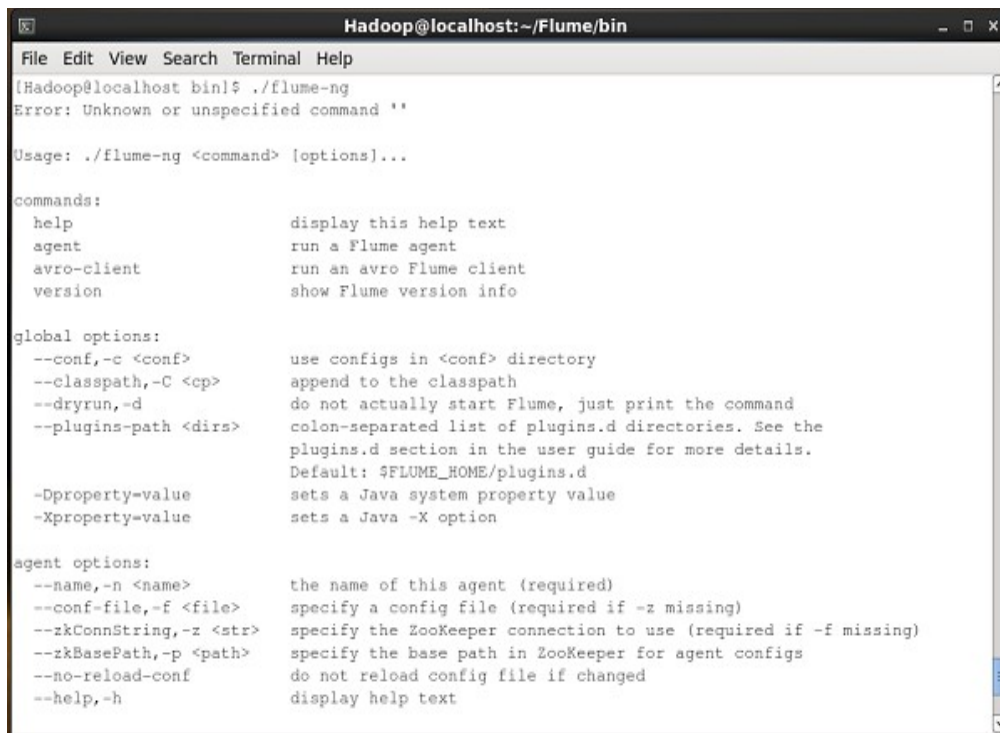
Step 8:

Verifying the Installation

Verify the installation of Apache Flume by browsing through the bin folder and typing the following command.

\$./flume-ng

You can see the below image in the screen

A screenshot of a terminal window titled "Hadoop@localhost: ~/Flume/bin". The terminal shows the command `./flume-ng` being executed, which results in an error: "Error: Unknown or unspecified command ''". Below the error, the usage is shown as `Usage: ./flume-ng <command> [options]...`. The terminal then displays the help text for `flume-ng`, which is organized into sections: "commands:", "global options:", and "agent options:". Each section lists various options and their descriptions. The "commands:" section includes `help`, `agent`, `avro-client`, and `version`. The "global options:" section includes `--conf`, `--classpath`, `--dryrun`, and `--plugins-path`. The "agent options:" section includes `--name`, `--conf-file`, `--zkConnString`, `--zkBasePath`, `--no-reload-conf`, and `--help`.

Step 9:
Give Access permission

\$ chmod -R 777 /usr/local/Flume

Step 10: (This step is necessary if you want to use the Hadoop as storage location)

Move the necessary jar files from hadoop to Flume

\$ mv /usr/local/Hadoop-2.7.2/share/hadoop/common/*.jar/ usr/local/Flume/lib

\$ mv /usr/local/Hadoop-2.7.2/share/hadoop/common/lib /usr/local/Flume/lib

Now Start working with the Flume :) :)