Install:

wget http://mirror.cogentco.com/pubcd/apache/flink/flink-1.3.2/flink-1.3.2-bin-hadoop27-scala\_2.10.tgz

sudo apt install golang-go

y

mkdir go

(edit the $HOME/.profile, and add the line GOPATH=’/home/ubuntu/go’, then ‘source’ it)

go get [github.com/nsqio/nsq/](http://github.com/nsqio/nsq/)...

Flink Running

1.put quickstart-0.1.jar into flink-1.3.2/ examples/batch/

2. put pubmess.go into /home/hadoop/

3.put your source file into the HDFS, you can create a file named data\_flink, and store the source file into /data\_flink/

4.config the hadoop path and GOPATH

export HADOOP\_CONF\_DIR=/etc/hadoop/conf

export GOPATH=/home/ubuntu/go

5. Run Flink job

cd /home/hadoop/flink-1.3.2/

./bin/flink run -m yarn-cluster -yn 2 -c org.myorg.quickstart.Application examples/batch/quickstart-0.1.jar

NSQ and PTPD:

(Running in our case)

1.Running NSQD deamon

sudo docker run -d --name nsqdc -p 4152:4152 -p 4153:4153 nsqio/nsq /nsqd --broadcast-address=<18.221.119.174> --lookupd-tcp-address=<18.221.119.174>:4160 --http-address=<0.0.0.0>:4153 --tcp-address=<0.0.0.0>:4152

2. Running PTPD

sudo apt install ptpd

sudo ptpd -i eth0 -M -u <172.31.32.60>

3.Running subscriber

go run submess.go “rise\_stock”

go run submess.go “down\_stock”