

## 系统要求

1. Java运行时环境 - Java 1.8或更高版本
2. 内存 - 源，通道或接收器使用的配置的足够内存
3. 磁盘空间 - 通道或接收器使用的配置的足够磁盘空间
4. 目录权限 - 代理使用的目录的读/写权限

## 下载及安装

### 1. 下载

到Flume官网上<http://flume.apache.org/download.html>下载软件安装包

### 2. 解压

```
1 mkdir -p /usr/local/flume
2 tar -zxvf apache-flume-1.9.0-bin.tar.gz -C /usr/local/flume/
```

### 3. 设置环境变量

```
1 vim /etc/profile
```

添加FLUME\_HOME路径:

```
1 FLUME_HOME=/usr/local/flume/apache-flume-1.9.0-bin
2 PATH=$FLUME_HOME/bin:$PATH
```

刷新系统配置文件

```
1 source /etc/profile
```

### 4. 配置JAVA\_HOME

```
1 echo $JAVA_HOME #找出JAVA_HOME地址
2 cd /usr/local/flume/apache-flume-1.9.0-bin/conf
3 cp flume-env.sh.template flume-env.shvi flume-env.sh
4 vim flume-env.sh
5 export JAVA_HOME = #此处添加JAVA_HOME地址
```

### 5. 版本验证

```
1 flume-ng version
```

## 6.Flume部署示例

### Avro: 端口转发示例:

```
1 cp flume-conf.properties.template netcat.conf
```

### 配置netcat.conf

```
1 agent.sources = seqGenSrc
2 agent.channels = memoryChannel
3 agent.sinks = loggerSink
4
5 agent.sources.seqGenSrc.type = netcat
6 agent.sources.seqGenSrc.bind = 0.0.0.0
7 agent.sources.seqGenSrc.port = 9001 #容器与宿主机的端口映射9001:9001
8
9 agent.sources.seqGenSrc.channels = memoryChannel
10 agent.sinks.loggerSink.type = logger
11 agent.sinks.loggerSink.channel = memoryChannel
12
13 # Each channel's type is defined.
14 agent.channels.memoryChannel.type = memory
15 agent.channels.memoryChannel.capacity = 100
```

### 运行

```
1 source /etc/profile
2 flume-ng agent --conf /usr/local/flume/apache-flume-1.9.0-bin/conf --conf-file /usr/local/flume/apache-flume-1.9.0-bin/conf/netcat.conf --name agent -Dflume.root.logger=INFO,console
```

打开宿主机终端，通过telnet登录localhost的9001，输入测试数据

```
1 telnet localhost 9001
```

可以看到另一个docker容器终端显示输入的内容