

## Flume-0.9.4源码编译依赖的thrift插件安装

关于如何编译Flume-ng 1.4.0可以参见本博客的[《基于Hadoop-2.2.0编译flume-ng 1.4.0及错误解决》](#)

在编译Flume-0.9.4源码的时候出现了以下的错误信息：

```
[INFO] -----
[INFO] Reactor Summary:
[INFO]
[INFO] Flume ..... SUCCESS [0.003s]
[INFO] Flume Core ..... FAILURE [5.016s]
[INFO] Flume Master Config Web Application ..... SKIPPED
[INFO] Flume Node Web ..... SKIPPED
[INFO] Flume Distribution Project ..... SKIPPED
[INFO] A log4j appender for Flume ..... SKIPPED
[INFO] Flume Hello World Plugin ..... SKIPPED
[INFO] Flume HBase Plugin ..... SKIPPED
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 5.798s
[INFO] Finished at: Wed Jan 22 16:35:13 CST 2014
[INFO] Final Memory: 15M/136M
[INFO] -----
[WARNING] The requested profile "dist" could not be activated because it does
not exist.
[ERROR] Failed to execute goal org.apache.thrift.tools:maven-thrift-plugin:
0.1.10:compile (default) on project flume-core: thrift did not exit cleanly.
Review output for more information. -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read
the following articles:
[ERROR] [Help 1]
http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
[ERROR] mvn <goals> -rf :flume-core
```

这是因为编译Flume的时候需要用到thrift插件，可以参考flume-core/pom.xml文件里面的配置：

```
<plugin>
  <groupId>org.apache.thrift.tools</groupId>
  <artifactId>maven-thrift-plugin</artifactId>
  <version>0.1.10</version>
  <configuration>
    <thriftExecutable>${thrift.executable}</thriftExecutable>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>compile</goal>
        <goal>testCompile</goal>
      </goals>
    </execution>
  </executions>
</plugin>
```

如果你的电脑里面没有安装thrift插件的时候，就出现错误，可以用下面的方法下载：

```
[wyp@master Desktop]$ git clone  W
https://git-wip-us.apache.org/repos/asf/thrift.git thrift
```

编译thrift的时候需要一些依赖，可以依次运行下面的命令解决：

```
[wyp@master Desktop]$ sudo yum install automake libtool flex bison pkgconfig W
gcc-c++ boost-devel libevent-devel zlib-devel python-devel ruby-devel
```

下载的文件都放在thrift文件夹里面，进入thrift文件夹依次运行下面的命令

```
[wyp@master Desktop]$ cd thrift
[wyp@master thrift]$ ./bootstrap.sh
[wyp@master thrift]$ ./configure
[wyp@master thrift]$ make
[wyp@master thrift]$ make install
```

这样将会成功的将thrift安装在/usr/local/bin/thrift里面。这样就可以解决编译Flume-0.9.4出现上述的错误。

在执行./configure时可能会出错：Error: libcrypto required.

在fedora下应该安装：

```
openssl-devel:yum install openssl-devel
```

如果你在<http://thrift.apache.org/>网上下载thrift-0.9.1，在make的时候将会出现以下的错误：

```
libtool: link: ar cru .libs/libtestgencpp.a .libs/ThriftTest_constants.o
.libs/ThriftTest_types.o
ar: .libs/ThriftTest_constants.o: No such file or directory
make[3]: *** [libtestgencpp.la] 错误 1
make[3]: 离开目录"/home/wyp/Desktop/thrift-0.9.1/test/cpp"
make[2]: *** [all-recursive] 错误 1
make[2]: 离开目录"/home/wyp/Desktop/thrift-0.9.1/test"
make[1]: *** [all-recursive] 错误 1
make[1]: 离开目录"/home/wyp/Desktop/thrift-0.9.1"
make: *** [all] 错误 2
```

这是它源码的问题，不要用这种方法下载。

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