

Verifying Release Candidate

[Apache Release Process](#)

The steps are based on what is needed on a fresh centos6 VM created based on [Quick Start Guide](#)

Verify hashes and signature

```
mkdir -p /usr/work/ambari
```

```
pushd /usr/work/ambari
```

Download the src tarball, asc signature, and md5/sha1 hashes.

Verify the hashes

```
openssl md5 apache-ambari-2.4.1-src.tar.gz | diff apache-ambari-2.4.1-src.tar.gz.md5 -
openssl sha1 apache-ambari-2.4.1-src.tar.gz | diff apache-ambari-2.4.1-src.tar.gz.sha1 -
```

Verify the signature

```
gpg --keyserver pgpkeys.mit.edu --
recv-key <key ID>

gpg apache-ambari-2.4.1-src.tar.gz.asc
```

Compiling the code

If you are verifying the release on a clean machine (e.g. freshly installed VM) then you need to run several preparatory step.

Install mvn

```
mkdir /usr/local/apache-maven
```

```
cd /usr/local/apache-maven
```

```
wget http://mirror.olnevhost.net/pub/apache/maven/binaries/apache-maven-3.2.1-bin.tar.gz
```

```
tar -xvf apache-maven-3.2.1-bin.tar.gz
```

```
export M2_HOME=/usr/local/apache-maven/apache-maven-3.2.1
```

```
export M2=$M2_HOME/bin
```

```
export PATH=$M2:$PATH
```

Install java

```
mkdir /usr/jdk
```

```
cd /usr/jdk
```

```
cp "FROM SOURCE"/jdk-7u67-linux-x64.tar.gz . (or download the latest)
```

```
tar -xvf jdk-7u67-linux-x64.tar.gz
```

```
export PATH=$PATH:/usr/jdk/jdk1.7.0_67/bin
```

```
export JAVA_HOME=/usr/jdk/jdk1.7.0_67
```

```
export _JAVA_OPTIONS="-Xmx2048m -XX:MaxPermSize=1024m -Djava.awt.headless=true"
```

Install packages

```
yum install -y git
curl --silent --location https://rpm.nodesource.com/setup | bash -
yum install -y nodejs
yum install -y gcc-c++ make
npm install -g brunch@1.7.20
yum install -y libfreetype.so.6
yum install -y freetype
yum install -y fontconfig
yum install -y python-devel
yum install -y rpm-build
```

Install python tools

```
wget http://pypi.python.org/packages/2.6/s/setuptools/setuptools-0.6c11-py2.6.egg --no-check-certificate
sh setuptools-0.6c11-py2.6.egg
```

Additional steps

These steps may not be needed in every environment. You can either perform these steps before build or after, and if, you encounter specific errors.

Install pom files needed by ambari-metrics-kafka-sink

```
mkdir /tmp/pom-files
pushd /tmp/pom-files
cp "FROM SOURCE"/jms-1.1.pom .
cp "FROM SOURCE"/jmxri-1.2.1.pom .
cp "FROM SOURCE"/jmxtools-1.2.1.pom .
mvn install:install-file -Dfile=jmxri-1.2.1.pom -DgroupId=com.sun.jmx -DartifactId=jmxri -Dversion=1.2.1 -Dpackaging=jar
mvn install:install-file -Dfile=jms-1.1.pom -DgroupId=javax.jms -DartifactId=jms -Dversion=1.1 -Dpackaging=jar
mvn install:install-file -Dfile=jmxtools-1.2.1.pom -DgroupId=com.sun.jdmk -DartifactId=jmxtools -Dversion=1.2.1 -Dpackaging=jar
popd
```

Compile the code

```
pushd /usr/work/ambari
tar -xvf apache-ambari-2.4.1-src.tar.gz
cd apache-ambari-2.4.1-src
mvn clean install -DskipTests
```