Installation Guide for Ambari 2.7.1

Build and install Ambari 2.7.1

Step 1: Download and build Ambari 2.7.1 source

```
tar xfvz apache-ambari-2.7.1-src.tar.gz
cd apache-ambari-2.7.1-src
mvn versions:set -DnewVersion=2.7.1.0.0
pushd ambari-metrics
mvn versions:set -DnewVersion=2.7.1.0.0
popd
```

RHEL (CentOS 7) & SUSE (SLES 12 SP2 & SP3):

```
mvn -B clean install rpm:rpm -DnewVersion=2.7.1.0.0 -DbuildNumber=90430db08a5f543a97d97918cf5f711f2786ad8a -DskipTests -Dpython.ver="python >= 2.6"
```

Ubuntu/Debian:

```
mvn -B clean install jdeb:jdeb -DnewVersion=2.7.1.0.0 -DbUILDNumber=90430db08a5f543a97d97918cf5f711f2786ad8a -DskipTests -Dpython.ver="python >= 2.6"
```

Note: You need to have tools such as rpm-build tool, brunch, etc. For details on prerequisites, please see Ambari Development.

Step 2: Install Ambari Server

Install the rpm package from ambari-server/target/rpm/ambari-server/RPMS/noarch/

[For CentOS 7]

```
yum install ambari-server*.rpm  #This should also pull in postgres packages as well.
```

[For SLES 12]

```
zypper install ambari-server*.rpm  #This should also pull in postgres packages as well.
```

[For Ubuntu/Debian]

```
apt-get install ./ambari-server*.deb  #This should also pull in postgres packages as well.
```

Step 3: Setup and Start Ambari Server

Run the setup command to configure your Ambari Server, Database, JDK, LDAP, and other options:
Following the on-screen instructions to proceed.

Once set up is done, start Ambari Server:

```
ambari-server start
```

**Step 4: Install and Start Ambari Agent on All Hosts**

*Note: This step needs to be run on all hosts that will be managed by Ambari.*

Copy the rpm package from ambari-agent/target/rpm/ambari-agent/RPMS/x86_64/ and run:

**[For CentOS 7]**

```
yum install ambari-agent*.rpm
```

**[For SLES 12]**

```
zypper install ambari-agent*.rpm
```

**[Ubuntu/Debian]**

```
apt-get install ./ambari-agent*.deb
```

Edit `/etc/ambari-agent/ambari.ini`

```
...
[server]
hostname=localhost
...
```

Make sure hostname under the [server] section points to the actual Ambari Server host, rather than "localhost".

```
ambari-agent start
```

**Step 5: Deploy Cluster using Ambari Web UI**

Open up a web browser and go to http://<ambari-server-host>:8080.

Log in with username `admin` and password `admin` and follow on-screen instructions. Secure your environment by ensuring your administrator details are changed from the default values as soon as possible.

Under Install Options page, enter the hosts to add to the cluster. Do not supply any SSH key, and check "Perform manual registration on hosts and do not use SSH" and hit "Next".