

# Build and install Ambari 1.6.0 from Source

## Build and install Ambari 1.6.0

### Step 1: Download and build Ambari 1.6.0 source

```
wget http://archive.apache.org/dist/ambari/ambari-1.6.0/ambari-1.6.0.tar.gz
tar xfvz ambari-1.6.0.tar.gz
cd ambari-1.6.0
mvn versions:set -DnewVersion=1.6.0
mvn -B clean install package rpm:rpm -DnewVersion=1.6.0 -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 5 or 6]*

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

*[For SLES 11]*

```
zypper install ambari-server*.rpm    #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:

```
ambari-server setup
```

Follow 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 5 or 6]*

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

*[For SLES 11]*

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

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.

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".