

HIVE Installation Guide

1. Download from <http://www.apache.org/dyn/closer.cgi/hive/>

2. Unzip the zip file into the location where you want Hive to reside

3. In a terminal Edit bash profile

For Mac:

```
$ nano ~/.bash_profile
```

For Linux:

```
$ gedit ~/.bashrc
```

4. Add following to bash profile

```
export HIVE_HOME=<HIVE_HOME_DIR>
```

```
export PATH=$PATH:$HIVE_HOME/bin
```

```
export CLASSPATH=$CLASSPATH:$HADOOP_HOME/lib/*:.
```

```
export CLASSPATH=$CLASSPATH:$HIVE_HOME/lib/*:.
```

Also confirm that your bash profile includes:

```
export HADOOP_HOME=<HADOOP_HOME>
```

```
export PATH=$PATH:$HADOOP_HOME/bin
```

5. Create hive-site.xml

```
$ cd $HIVE_HOME/conf
```

```
$ cp hive-default.xml.template hive-site.xml
```

6. Open the hive-site.xml file and insert the following in between the

<configuration> tags

<property>

<name>javax.jdo.option.ConnectionURL</name>

<value>jdbc:derby::;databaseName=metastore_db;create=true </value>

<description>JDBC connect string for a JDBC metastore </description>

</property>

7. In the same file: find and replace

`${system:java.io.tmpdir}` with `/tmp/hive_io`

find and replace

`${system:user.name}` with your user name

8. Back to terminal

```
$ hadoop fs -mkdir /tmp
```

```
$ hadoop fs -mkdir /user
```

```
$ hadoop fs -mkdir /user/hive
```

```
$ hadoop fs -mkdir /user/hive/warehouse
```

```
$ hadoop fs -chmod g+w /tmp
```

```
$ hadoop fs -chmod g+w /user/hive/warehouse
```

9. Try running hive

```
$ hive
```

You will get an error asking you to initialize the metastore using schematool

10. Initialize the metastore

```
$ mv metastore_db metastore_db.tmp
```

```
$ schematool -initSchema -dbType derby
```

11. Run hive again

```
$ hive
```