



链滴

# 【bigdata】4.hive 安装

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原文链接: <https://ld246.com/article/1679472266703>

来源网站: [链滴](#)

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<p><code>hive的全部安装过程都是在master节点</code> </p>

<h3 id="安装hive">安装 hive</h3>

<h4 id="1-上传并解压">1.上传并解压</h4>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">tar -zxvf apache-hive-1.2.2-bin.tar.gz -C /hive安装目录</span></span></code></pre>
```

<h4 id="2-配置环境">2.配置环境</h4>

<p><strong>2.1 配置 hive-env.sh</strong></p>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"># 跳转到hive配置文件目录</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">cd /hive安装目录/</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"># 修改名称</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">mv hive-env.sh.t</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"># 编辑文件</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">vim hive-env.sh</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"></span></span></code></pre>
```

<p><strong>添加如下内容:</strong> </p>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">export JAVA_HOME=/java安装目录/jdk1.8.0_172</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">export HADOOP_</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">export HIVE_HOM</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">export HIVE_CON</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"></span></span></code></pre>
```

<p><strong>2.2 配置 hive-site.sh</strong></p>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">vim hive-site.sh</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"></span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"></span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">#添加如下内容</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">&lt;?xml version=</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">&lt;?xml-stylesheet</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">&lt;configuration</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;prop</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;prop</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &lt;name&gt;javax.jdo.option.ConnectionURL&lt;/name&gt;</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &lt;value&gt;jdbc:mysql://master:3306/hive?createDatabaseIfNotExist=true&amp;useS</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;/pro</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;prop</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &lt;name&gt;javax.jdo.option.ConnectionDriverName&lt;/name&gt;</span></span></code></pre>
```

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; </span></span></code></pre>
```

```
nbsp; &lt;value&gt;com.mysql.jdbc.Driver&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;javax.jdo.option.ConnectionUserName&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt;root&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;javax.jdo.option.ConnectionPassword&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt;123456&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;hive.metastore.warehouse.dir&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt;hdfs://master:9000/hive/warehouse&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;hive.exec.scratchdir&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt;hdfs://master:9000/hive/tmp&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;hive.querylog.location&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt;/usr/hive/log&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;description&gt;设置hive job日志存储位置&lt;/description&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/prop
erty&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;name&gt;hive.cli.print.header&lt;/name&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;value&gt>true&lt;/value&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
nbsp; &lt;description&gt;设置列名&lt;/description&gt;
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> &nbsp; &lt;/pro
```

```
erty>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;prop
erty>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;name>hive.resultset.use.unique.column.names</name>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;value>false</value>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;description>增加列名可读性</description>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;/pro
erty>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- fl
me to hive test-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
property>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;name>hive.support.concurrency</name>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;value>true</value>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;description>是否支持并发，默认是false</description>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
/property>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;prop
erty>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;name>hive.txn.manager</name>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;value>org.apache.hadoop.hive.ql.lockmgr.DbTxnManager</value>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &nbsp; &nbsp;
&nbsp; &lt;description>打开一部分事务支持协同配置</description>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;/pro
erty>
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--支
事务，有问题，可以注释掉-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
property>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;name>hive.compactor.initiator.on</name>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;value>true</value>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;description>运行启动程序和清除线程,用于打开所需参数的完整列表事务</descripti
n>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
/property>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
property>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;name>hive.compactor.worker.threads</name>-->
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
&nbsp; &lt;value>1</value>-->
```

```

</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;description&gt;增加工作线程的数量将减少花费的时间&lt;/description&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
/property&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
property&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;name&gt;hive.enforce.bucketing&lt;/name&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;value&gt;true&lt;/value&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;description&gt;是否启用bucketing, 写入table数据&lt;/description&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
/property&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
property&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;name&gt;hive.exec.dynamic.partition.mode&lt;/name&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;value&gt;nonstrict&lt;/value&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!-- &
bsp; &lt;description&gt;设置动态分区模式为非严格模式&lt;/description&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &nbsp; &lt;!--&lt
/property&gt;--&gt;
</span></span><span class="highlight-line"><span class="highlight-cl"> &lt;/configuratio
&gt;
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>

```

### 2.3 配置环境变量

```

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">vim ~/.bashrc
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">添加如下内容:
</span></span><span class="highlight-line"><span class="highlight-cl">export HIVE_HOM
=/hive安装目录/apache-hive-1.2.2-bin
</span></span><span class="highlight-line"><span class="highlight-cl">export PATH=$PA
H:${HIVE_HOME}/bin
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">source ~/.bashrc
</span></span></code></pre>

```

### 安装MySQL

1. 卸载已有 mysql/mariadb

查找命令:

```

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">rpm -qa | grep mysql
</span></span><span class="highlight-line"><span class="highlight-cl">rpm -qa | grep ma
iadb
</span></span></code></pre>

```

卸载命令:

```

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">rpm -e mysql【一般删除, 如果提示以来的其他文件, 则不能删除】
</span></span><span class="highlight-line"><span class="highlight-cl">rpm -e --nodeps
mysql【强制删除, 包含各种依赖包】
</span></span><span class="highlight-line"><span class="highlight-cl">yum -y remove m
</span></span>

```

sql\* 【删除软件的时候会删除对该软件具有依赖关系的包】

</span></span><span class="highlight-line"><span class="highlight-cl">【Tips: 三种方式选】

</span></span></code></pre>

<p><strong>2.下载 yum</strong></p>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">wget http://mirrors.usstc.edu.cn/mysql-repo/mysql57-community-release-el7-9.noarch.rpm

</span></span></code></pre>

<p><strong>3.安装</strong></p>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">rpm -ivh mysql57-community-release-el7-9.noarch.rpm

</span></span><span class="highlight-line"><span class="highlight-cl">

</span></span><span class="highlight-line"><span class="highlight-cl">yum -y install myql-community-server

</span></span><span class="highlight-line"><span class="highlight-cl">

</span></span></code></pre>

<p><strong>4.关闭强密码验证</strong></p>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">vim /etc/my.cnf

</span></span><span class="highlight-line"><span class="highlight-cl"># 增加如下内容

</span></span><span class="highlight-line"><span class="highlight-cl">plugin-load=validate\_password.so

</span></span><span class="highlight-line"><span class="highlight-cl">validate\_password=OFF

</span></span></code></pre>

<p><strong>5.启动</strong></p>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">service mysqld start

</span></span></code></pre>

<p><strong>6.修改密码</strong></p>

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">#查找初始随机密码

</span></span><span class="highlight-line"><span class="highlight-cl">grep "password" /var/log/mysqld.log

</span></span><span class="highlight-line"><span class="highlight-cl">#eg:A temporary password is generated for root@localhost: r+RWXg\*a7e%1

</span></span><span class="highlight-line"><span class="highlight-cl">

</span></span><span class="highlight-line"><span class="highlight-cl">#通过初始随机密码进入mysql

</span></span><span class="highlight-line"><span class="highlight-cl">mysql -uroot -p

</span></span><span class="highlight-line"><span class="highlight-cl">输入随机密码

</span></span><span class="highlight-line"><span class="highlight-cl">

</span></span><span class="highlight-line"><span class="highlight-cl">#修改密码:

</span></span><span class="highlight-line"><span class="highlight-cl">#mysql客户端执行

</span></span><span class="highlight-line"><span class="highlight-cl">SET PASSWORD = PASSWORD('123456');

</span></span><span class="highlight-line"><span class="highlight-cl">ALTER USER 'root'@'localhost' PASSWORD EXPIRE NEVER;

</span></span><span class="highlight-line"><span class="highlight-cl">#刷新

</span></span><span class="highlight-line"><span class="highlight-cl">flush privileges;

</span></span><span class="highlight-line"><span class="highlight-cl">#退出使用新密码

</span></span><span class="highlight-line"><span class="highlight-cl">exit

```
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">#shell命令执行
</span></span><span class="highlight-line"><span class="highlight-cl">mysql -uroot -p1
3456
</span></span></code></pre>
<p><strong>7.设置远程访问</strong></p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">#mysql客户端执行
</span></span><span class="highlight-line"><span class="highlight-cl">grant all privileges
on *.* to root@"%" identified by "123456";
</span></span><span class="highlight-line"><span class="highlight-cl">flush privileges;
</span></span></code></pre>
<p><strong>8.设置开机启动</strong></p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">#shell命令执行
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl enable
ysqld
</span></span></code></pre>
<p><strong>9.hive 设置 mysql 连接工具</strong></p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">#获取jar包
</span></span><span class="highlight-line"><span class="highlight-cl">wget https://cdn.
ysql.com/archives/mysql-connector-java-5.1/mysql-connector-java-5.1.45.tar.gz
</span></span><span class="highlight-line"><span class="highlight-cl">#解压
</span></span><span class="highlight-line"><span class="highlight-cl">tar -zxvf mysql-co
nector-java-5.1.45.tar.gz
</span></span><span class="highlight-line"><span class="highlight-cl">#进入解压目录
</span></span><span class="highlight-line"><span class="highlight-cl">cd mysql-connect
r-java-5.1.45
</span></span><span class="highlight-line"><span class="highlight-cl">#复制连接jar包到hi
e的lib目录
</span></span><span class="highlight-line"><span class="highlight-cl">cp mysql-connect
r-java-5.1.45-bin.jar $HIVE_HOME/lib/
</span></span></code></pre>
<h3 id="安装hive是Jline版本不一致问题">安装 hive 是 Jline 版本不一致问题</h3>
<p><strong>删除 hadoop/share/hadoop/yarn/lib 下的 jline 包，复制 hive/lib 目录下的 jline 到
hadoop: </strong></p>
<p></p>
<h3 id="启动hive">启动 hive</h3>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">#启动hadoop集群
</span></span><span class="highlight-line"><span class="highlight-cl">start-all.sh
</span></span><span class="highlight-line"><span class="highlight-cl">#启动hive
</span></span><span class="highlight-line"><span class="highlight-cl">hive
</span></span><span class="highlight-line"><span class="highlight-cl">#启动hiveserver2
</span></span><span class="highlight-line"><span class="highlight-cl">hiveserver2
</span></span></code></pre>
```