



链滴

MariaDB 主从配置

作者: [momoda](#)

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MariaDB 主从配置

MariaDB 数据库配置请查看 <https://ld246.com/forward?goto=http%3A%2F%2Fww.zousiliang.com%2Farticles%2F2017%2F10%2F07%2F1507352944656.html> MariaDB 10.3 安装配置

MariaDB 的主从的配置是整个读，写分离的核心机制所在，所以现在建立了两台新的虚拟机：server-master,server-slave 关系就是 slave 同步 master 主机，本次使用的主机列表如下：

No.	主机名称	IP 地址	描述
1	server-master	192.168.31.128	MariaDB 服务 (master)
2	server-slave	192.168.31.129	MariaDB 服务 (slave)

1. 一定要保证两台服务的时间是同步的-如果不同步无法实现主从配置-

1. 【server-*】一定要保证两台服务的时间是同步的，如果不同步无法实现主从配置。

2. 【server-master】修改 MariaDB 的配置文件-

```
vim /etc/my.cnf.d/server.cnf
```

```
#在 [mysqld] 下
```

```
添加
```

```
server-id=129 #
```

```
节点标识，唯一
```

```
log-bin=master-b
```

```
n-1
```

- "log_bin=master-bin-1":表示配置同步 bin 的文件名称，不同的主从关系组，名称不同;
- "server_id=129":定义的是 MySQL 服务的编号，这个编号一般取 IP 的最后一位;
- 保存退出后可以之即启动 mysql 服务:

```

<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">service mysql restart #重启服务
</span> </span> </code> </pre>
<ul>
<li>登录到 mysql 数据库之中: </li>
</ul>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">mysql -uroot -phahaha
</span> </span> </code> </pre>
<ul>
<li>查看 master 状态: </li>
</ul>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">show master status;
</span> </span> </code> </pre>
<blockquote>
<p>"File(server-bin-1.000001)",是从主机必须设置的名称; <br>
"Position(331):同步的节点位置; </p>
</blockquote>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">MariaDB [(none)]> show master status ;
</span> </span> <span class="highlight-line"> <span class="highlight-cl">+-----
--+-----+-----+-----+
</span> </span> <span class="highlight-line"> <span class="highlight-cl">| File          | Po
ition | Binlog_Do_DB | Binlog_Ignore_DB |
</span> </span> <span class="highlight-line"> <span class="highlight-cl">+-----
--+-----+-----+-----+
</span> </span> <span class="highlight-line"> <span class="highlight-cl">| server-bin-1.000
01 | 331 |          |          |
</span> </span> <span class="highlight-line"> <span class="highlight-cl">+-----
--+-----+-----+-----+
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl">-----
-----若没有问题 该部分结束-----
</span> </span> </code> </pre>
<h4 id="3--server-master-考虑到与服务器同步的安全性问题-建议建立一个新的的用户-miim">3.
server-master】考虑到与服务器同步的安全性问题，建议建立一个新的的用户：miim</h4>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">MariaDB [(none)]> GRANT REPLICATION SLAVE ON *.* TO 'miim'@'%' IDENTIFIED BY '
sl01';
</span> </span> <span class="highlight-line"> <span class="highlight-cl">MariaDB [mysql]
gt; FLUSH PRIVILEGES;
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> </code> </pre>
<h4 id="4--server-slave-从节点修改配置文件-">4. 【server-slave】从节点修改配置文件:</h4>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">vim /etc/my.cnf.d/server.cnf
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl">log-bin=salve-bin
</span> </span> <span class="highlight-line"> <span class="highlight-cl">server-id=129
</span> </span> <span class="highlight-line"> <span class="highlight-cl">relay-log=relay-bi
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl">log-slave-update

```



```

</span></span><span class="highlight-line"><span class="highlight-cl"> Slave_IO
State:
</span></span><span class="highlight-line"><span class="highlight-cl"> Master
Host: 192.168.31.128
</span></span><span class="highlight-line"><span class="highlight-cl"> Master
User: miim
</span></span><span class="highlight-line"><span class="highlight-cl"> Master
Port: 3306
</span></span><span class="highlight-line"><span class="highlight-cl"> Connect
Retry: 60
</span></span><span class="highlight-line"><span class="highlight-cl"> Master_L
g_File: server-bin-1.000001
</span></span><span class="highlight-line"><span class="highlight-cl"> Read_Maste
_Log_Pos: 331
</span></span><span class="highlight-line"><span class="highlight-cl"> Relay_Lo
_File: relay-bin.000001
</span></span><span class="highlight-line"><span class="highlight-cl"> Relay_L
g_Pos: 4
</span></span><span class="highlight-line"><span class="highlight-cl"> Relay_Master
Log_File: server-bin-1.000001
</span></span><span class="highlight-line"><span class="highlight-cl"> Slave_IO_
unning: Yes # Yes开启同步
</span></span><span class="highlight-line"><span class="highlight-cl"> Slave_SQL
Running: Yes
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<h4 id="6--测试">6. 测试</h4>
<ul>
<li>主节点开启远程访问</li>
</ul>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">DROP DATABASE IF EXISTS zsl;
</span></span><span class="highlight-line"><span class="highlight-cl">CREATE DATABAS
zsl CHARACTER SET UTF8 ;
</span></span><span class="highlight-line"><span class="highlight-cl">USE zsl ;
</span></span><span class="highlight-line"><span class="highlight-cl">CREATE TABLE m
mber(
</span></span><span class="highlight-line"><span class="highlight-cl"> MID VARCHAR(
0) ,
</span></span><span class="highlight-line"><span class="highlight-cl"> NAME VARCHA
(50) ,
</span></span><span class="highlight-line"><span class="highlight-cl"> age INT ,
</span></span><span class="highlight-line"><span class="highlight-cl"> salary DOUBLE ,
</span></span><span class="highlight-line"><span class="highlight-cl"> birthday DATE ,
</span></span><span class="highlight-line"><span class="highlight-cl"> note TEXT ,
</span></span><span class="highlight-line"><span class="highlight-cl"> CONSTRAINT p
_mid PRIMARY KEY(MID)
</span></span><span class="highlight-line"><span class="highlight-cl">);
</span></span><span class="highlight-line"><span class="highlight-cl">INSERT INTO me
ber(MID,NAME,age,salary,birthday,note) VALUES ('zsl','hello',10,2000.0,'2017-11-11','very goo
');
</span></span><span class="highlight-line"><span class="highlight-cl">INSERT INTO me
ber(MID,NAME,age,salary,birthday,note) VALUES ('admin','admin',10,2000.0,'2017-11-11','very
good');

```

```

</span></span><span class="highlight-line"><span class="highlight-cl">INSERT INTO member(MID,NAME,age,salary,birthday,note) VALUES ('guest','admin',10,2000.0,'2017-11-11','very good');
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>
<ul>
<li>从节点</li>
</ul>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">MariaDB [(none)]> show databases;
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">+-----
-+
</span></span><span class="highlight-line"><span class="highlight-cl">| Database      |
</span></span><span class="highlight-line"><span class="highlight-cl">+-----
-+
</span></span><span class="highlight-line"><span class="highlight-cl">| information_sch
ma |
</span></span><span class="highlight-line"><span class="highlight-cl">| mysql          |
</span></span><span class="highlight-line"><span class="highlight-cl">| performance_sch
ma |
</span></span><span class="highlight-line"><span class="highlight-cl">| zsl            |
</span></span><span class="highlight-line"><span class="highlight-cl">+-----
-+
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">出现zsl数据库表示
置成功
</span></span></code></pre>

```