

mysql replication

1. 5.5 innodb engine, Myisam engine, ...

- Master1 : 192.168.20.11
- Master2 : 192.168.20.12

1. Mysql replication (Dual Master)

2. Master1 my.cnf

1. /etc/my.cnf

```
$> vi /etc/my.cnf
server-id      = 1
binlog-do-db=wordpress (wordpress DB, wordpress DB, ...)
wordpress mysql, DB (wordpress )
```

3. Master2 /etc/my.cnf

```
$> vi /etc/my.cnf
server-id      = 2
binlog-do-db=wordpress
```

4. Master1 master

```
mysql> INSTALL PLUGIN rpl_semi_sync_master SONAME 'semisync_master.so';
Query OK, 0 rows affected (0.00 sec)

mysql> set global rpl_semi_sync_master_enabled=1;
Query OK, 0 rows affected (0.00 sec)

mysql> set global rpl_semi_sync_master_timeout =1000;
Query OK, 0 rows affected (0.00 sec)

mysql> show variables like 'rpl_semi_sync%';
```

```
+-----+
~--+
| Variable_name          | Value |
+-----+
~--+
```

```
| rpl_semi_sync_master_enabled      | ON  |
| rpl_semi_sync_master_timeout     | 1000 |
| rpl_semi_sync_master_trace_level | 32   |
| rpl_semi_sync_master_wait_no_slave | ON   |
+-----+-----+-----+
~---+
```

5. Master2 `mysql` `grant` `replication` `slave` `on *.*` `to 'repl_test'@'192.168.20.12'` `identified by 'repltest';`

```
mysql> grant replication slave on *.* to 'repl_test'@'192.168.20.12' identified by 'repltest';
\\Query OK, 0 rows affected (0.00 sec)
```

6. Master2 `mysql` `INSTALL PLUGIN` `rpl_semi_sync_slave` `SONAME 'semisync_slave.so';`

```
mysql> INSTALL PLUGIN rpl_semi_sync_slave SONAME 'semisync_slave.so';
mysql> set global rpl_semi_sync_slave_enabled=1;
mysql> show variables like 'rpl_semi_sync%';
+-----+-----+-----+
| Variable_name      | Value |
+-----+-----+-----+
| rpl_semi_sync_slave_enabled | ON    |
| rpl_semi_sync_slave_trace_level | 32    |
+-----+-----+-----+
2 rows in set (0.01 sec)
```

7. Master1 `mysql` `grant` `replication` `slave` `on *.*` `to 'repl_test'@'192.168.20.11'` `identified by 'repltest';`

```
mysql> grant replication slave on *.* to 'repl_test'@'192.168.20.11' identified by 'repltest';
```

8. `mysql` `Master` `mysql` `bin log` `postion` `mysql`

```
mysql> reset master;
```

9. `mysql` `Master` `mysql`

```
# Master1 mysql
```

```
mysql> show master status;
+-----+-----+-----+
~---+-----+-----+
| File          | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+-----+-----+-----+
~---+-----+-----+
| mysql-bin.000001 | 100 | wordpress | |
```

```
+-----+-----+-----+
~-.+-----+
1 row in set (0.00 sec)
```

Master2

```
mysql> show master status;
+-----+-----+-----+
~-.+-----+
| File          | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+-----+-----+-----+
~-.+-----+
| mysql-bin.000001 | 100 | wordpress | |
+-----+-----+-----+
~-.+-----+
1 row in set (0.00 sec)
```

10. Master (File Position)

Master1

```
mysql> change master to master_host='192.168.20.12', master_user='repl_test', master_password=
'repltest', master_log_file='mysql-master-bin.000001', master_log_pos=100;
```

Master2

```
mysql> change master to master_host='192.168.20.11', master_user='repl_test', master_password=
'repltest', master_log_file='mysql-master-bin.000001', master_log_pos=100;
```

11.

Master1)

```
mysql> show slave status \G;
***** 1. row *****
Slave_IO_State:
Master_Host: 192.168.20.12
Master_User: repl_test
```

Master_Port: 3306
Connect_Retry: 60
Master_Log_File: mysql-bin.000001
Read_Master_Log_Pos: 107
Relay_Log_File: ha1-relay-bin.000001
Relay_Log_Pos: 4
Relay_Master_Log_File: mysql-bin.000001
Slave_IO_Running: Yes
Slave_SQL_Running: Yes
Replicate_Do_DB:
Replicate_Ignore_DB:
Replicate_Do_Table:
Replicate_Ignore_Table:
Replicate_Wild_Do_Table:
Replicate_Wild_Ignore_Table:
Last_Errno: 0
Last_Error:
Skip_Counter: 0
Exec_Master_Log_Pos: 107
Relay_Log_Space: 107
Until_Condition: None
Until_Log_File:
Until_Log_Pos: 0
Master_SSL_Allowed: No
Master_SSL_CA_File:
Master_SSL_CA_Path:
Master_SSL_Cert:
Master_SSL_Cipher:
Master_SSL_Key:
Seconds_Behind_Master: 0
Master_SSL_Verify_Server_Cert: No
Last_IO_Errno: 0
Last_IO_Error:
Last_SQL_Errno: 0
Last_SQL_Error:
Replicate_Ignore_Server_Ids:
Master_Server_Id: 0
1 row in set (0.00 sec)
ERROR:
No query specified

Master2)

```
mysql> show slave status \G;
```

```
***** 1. row *****
```

```
Slave_IO_State:
```

```
Master_Host: 192.168.20.11
```

```
Master_User: repl_test
```

```
Master_Port: 3306
```

```
Connect_Retry: 60
```

```
Master_Log_File: mysql-bin.000001
```

```
Read_Master_Log_Pos: 107
```

```
Relay_Log_File: ha2-relay-bin.000001
```

```
Relay_Log_Pos: 4
```

```
Relay_Master_Log_File: mysql-bin.000001
```

```
Slave_IO_Running: Yes
```

```
Slave_SQL_Running: Yes
```

```
Replicate_Do_DB:
```

```
Replicate_Ignore_DB:
```

```
Replicate_Do_Table:
```

```
Replicate_Ignore_Table:
```

```
Replicate_Wild_Do_Table:
```

```
Replicate_Wild_Ignore_Table:
```

```
Last_Errno: 0
```

```
Last_Error:
```

```
Skip_Counter: 0
```

```
Exec_Master_Log_Pos: 107
```

```
Relay_Log_Space: 107
```

```
Until_Condition: None
```

```
Until_Log_File:
```

```
Until_Log_Pos: 0
```

```
Master_SSL_Allowed: No
```

```
Master_SSL_CA_File:
```

```
Master_SSL_CA_Path:
```

```
Master_SSL_Cert:
```

```
Master_SSL_Cipher:
```

```
Master_SSL_Key:
```

```
Seconds_Behind_Master: 0
```

```
Master_SSL_Verify_Server_Cert: No
```

```
Last_IO_Errno: 0
```

Last_IO_Error:
Last_SQL_Errno: 0
Last_SQL_Error:
Replicate_Ignore_Server_Ids:
Master_Server_Id: 0

1 row in set (0.00 sec)

ERROR:

No query specified

Revision #1

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