

# 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` Master1 `reset master;` `bin log, position`

```
mysql> reset master;
```

## 9. `mysql` Master1 `show master status;`

```
# Master1
```

```
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

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Revision #1

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