

Installation master/slave

Prérequis

- Avoir deux serveurs mariadb

Master

- Ajouter ou modifier ce qui suit dans le fichier `/etc/mysql/mariadb.conf.d/50-server.cnf`

```
[mysqld]
bind-address = 0.0.0.0
server-id = 1
log_bin = mysql-bin
```

- Redémarrer mariadb
- Création de l'utilisateur de réplication

```
CREATE USER 'repli'@'%' IDENTIFIED BY 'STRONGPASSWORD';
GRANT REPLICATION SLAVE ON *.* TO 'repli'@'%';
MariaDB [(none)]> show master status;
+-----+-----+-----+-----+
| File          | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+-----+-----+-----+-----+
| mysql-bin.000001 |      663 |              |                  |
+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

SLAVE

- Ajouter ou modifier ce qui suit dans le fichier `/etc/mysql/mariadb.conf.d/50-server.cnf`

```
[mysqld]
bind-address = 0.0.0.0
server-id = 2
log_bin = mysql-bin
```

- Redémarrer mariadb
- Mise en place de la réplication

```
CHANGE MASTER TO
```

```
-> MASTER_HOST='172.16.0.5',  
-> MASTER_USER='repli',  
-> MASTER_PASSWORD='STRONGPASSWORD',  
-> MASTER_LOG_FILE='mysql-bin.000001',  
-> MASTER_LOG_POS=663;
```

```
start slave;
```

```
SHOW SLAVE STATUS\G
```

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

```
Slave_IO_State: Waiting for master to send event  
Master_Host: 172.16.0.5  
Master_User: repli  
Master_Port: 3306  
Connect_Retry: 60  
Master_Log_File: mysql-bin.000001  
Read_Master_Log_Pos: 663  
Relay_Log_File: mysqld-relay-bin.000002  
Relay_Log_Pos: 555  
Relay_Master_Log_File: mysql-bin.000001  
Slave_IO_Running: Yes  
Slave_SQL_Running: Yes  
Replicate_Rewrite_DB:  
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: 663  
Relay_Log_Space: 865  
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: 1
Master_SSL_Crl:
Master_SSL_Crlpath:
Using_Gtid: No
Gtid_IO_Pos:
Replicate_Do_Domain_Ids:
Replicate_Ignore_Domain_Ids:
Parallel_Mode: optimistic
SQL_Delay: 0
SQL_Remaining_Delay: NULL
Slave_SQL_Running_State: Slave has read all relay log; waiting for more
updates
Slave_DDL_Groups: 0
Slave_Non_Transactional_Groups: 0
Slave_Transactional_Groups: 0
1 row in set (0.000 sec)
```

TEST

- Sur le Master créer une BDD

```
create database test;
show databases;
+-----+
| Database          |
+-----+
| information_schema |
| mysql             |
| performance_schema |
```

```
| sys          |
| test        |
+-----+
5 rows in set (0.001 sec)
```

- Vérifier que la base de données créée sur le master est bien répliquée

```
show databases;
+-----+
| Database          |
+-----+
| information_schema |
| mysql             |
| performance_schema |
| sys               |
| test              |
+-----+
5 rows in set (0.001 sec)
```

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