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 céer 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 donné créée sur le master est bien répliqué

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

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