Konfigurasi Pada Master

bind-address = 127.0.0.1

bind-address = 172.23.0.186

server-id = 1

log\_bin = mysql-bin

jika sudah lalu save dan restart service nya untuk menerapkan.

# sudo systemctl restart mariadb

Buat user untuk akses replikasi

# mysql -u root -p

> GRANT REPLICATION SLAVE ON \*.\* TO 'replica'@'172.23.0.186' IDENTIFIED BY 'secret';

> FLUSH PRIVILEGES;

Kunci database agar tidak ada perubahan pada saat konfigurasi replikasi

# FLUSH TABLES WITH READ LOCK;

Tampilkan status master. File dan Position yang nanti akan dibutuhkan pada saat konfigurasi Slave.

# SHOW MASTER STATUS;

+------------------+----------+--------------+------------------+

| File | Position | Binlog\_Do\_DB | Binlog\_Ignore\_DB |

+------------------+----------+--------------+------------------+

| mysql-bin.000001 | 651 | | |

+------------------+----------+--------------+------------------+

Konfigurasi Pada Slave

kita masuk lagi ke konfigurasi

# sudo nano /etc/my.cnf

# tambahkan IP bind-address sesuaikan dengan ip mesin kita

bind-address = 127.0.0.1

bind-address = 172.23.0.187

# Ganti nomor lain, jangan sama dengan master

server-id = 2

# lepas comment

log\_bin = mysql-bin

eperti biasa, restart service setelah di konfigurasi

# sudo systemctl restart mariadb

selanjutnya adalah langkah konfigurasi agar terhubung ke master

# mysql -u root -p

> CHANGE MASTER TO

MASTER\_HOST='IPmaster',

MASTER\_USER='replica',

MASTER\_PASSWORD='secret',

MASTER\_LOG\_FILE='mysql-bin.000001',

MASTER\_LOG\_POS=651;

# sudo systemctl restart mariadb

A computer screen shot of white text

Description automatically generated

jalankan slave

> START SLAVE;

Jika tidak ada masalah pada saat menjalankan slave, lepas kunci database pada server master

# mysql -u root -p

> UNLOCK TABLES;

tampilkan status slave

SHOW SLAVE STATUS \G

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Slave\_IO\_State: Waiting for master to send event

Master\_Host: 172.23.0.186

Master\_User: replica

Master\_Port: 3306

Connect\_Retry: 60

Master\_Log\_File: mysql-bin.000001

Read\_Master\_Log\_Pos: 651

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\_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: 651

Relay\_Log\_Space: 868

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: 100

Master\_SSL\_Crl:

Master\_SSL\_Crlpath:

Using\_Gtid: No

Gtid\_IO\_Pos:

1 row in set (0.00 sec)

Pengujian

Pada server master

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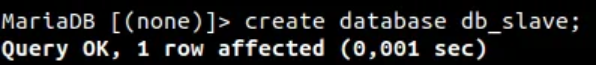
pada server slave

A screen shot of a computer program

Description automatically generated

erlihat bahwa perubahan di database master akan berpengaruh pada database slave.

jika slave melakukan perubahan database maka tidak berpengaruh pada database master



A computer screen with white text

Description automatically generated