LAPORAN PRAKTIKUM

Basis Data Terdistribusi

"Praktikum 7 Clustering"

Oleh:

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PROGRAM STUDI SISTEM INFORMASI

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Menambahkan Node Baru Di Cluster Yang Sudah Ada

Di praktikum ini saya asumsikan sudah memiliki cluster dari praktikum sebelumnya, sehingga tinggal menambah node baru. Disini saya memiliki cluster dengan IP 192.168.184.215, 192.168.184.190, 192.168.184.222

Untuk menambahkan node baru tentu kita harus mengedit file my.cnf bedanya address nya kita kosongi

```
[galera]
# Mandatory settings
wsrep_on=ON
wsrep_provider=/usr/lib/galera/libgalera_smm.so
wsrep_cluster_address=
binlog_format=row
default_storage_engine=InnoDB
innodb_autoinc_lock_mode=2
#
```

setelah itu kita stop service nya

```
blegoh@blegoh:~$ sudo service mysql stop
```

lalu start dengan menambahkan salah satu IP di cluster sebelumnya

```
blegoh@blegoh:~$ sudo service mysql start --wsrep_cluster_address=gcomm://192.16
8.184.215
```

Node yg baru akan menduplikasi node yang ada di cluster

di salah satu node

```
node a [Running] - Oracle VM VirtualBox
blegoh@blegoh:~$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 36
Server version: 10.1.13-MariaDB-1~trusty mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show schemas;
+--------------------+
| Database           |
+--------------------+
| ajuuuur            |
| asuuuuu            |
| information_schema |
| mysql              |
| performance_schema |
+--------------------+
5 rows in set (0.00 sec)

MariaDB [(none)]> _
```

di node yang baru data sama, dan kita sekaligus menambah schema

```
node d [Running] - Oracle VM VirtualBox

blegoh@blegoh:~$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 36
Server version: 10.1.13-MariaDB-1~trusty mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show schemas;
+--------------------+
| Database           |
+--------------------+
| ajuuuur            |
| asuuuuu            |
| information_schema |
| mysql              |
| performance_schema |
+--------------------+
5 rows in set (0.00 sec)

MariaDB [(none)]> create schema test;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> _
```

di salah satu node

```
node c [Running] - Oracle VM VirtualBox

blegoh@blegoh:~$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 37
Server version: 10.1.13-MariaDB-1~trusty mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show schemas;
+--------------------+
| Database           |
+--------------------+
| ajuuuur            |
| asuuuuu            |
| information_schema |
| mysql              |
| performance_schema |
| test               |
+--------------------+
6 rows in set (0.00 sec)

MariaDB [(none)]> _
```