Galera Configuration (3 nodes)

Nodes infor:

* 192.168.56.101 (node1)
* 192.168.56.102 (node2)
* 192.168.56.103 (node3)
* Node1

# Hostnamectl set-hostname node1

* Node2

# Hostnamectl set-hostname node2

* Node3

# Hostnamectl set-hostname node3

All nodes:

* Vi /etc/hosts

Add below lines in top of the file

192.168.56.101 node1

192.168.56.102 node2

192.168.56.103 node3

* Disable firewalld
* Set selinux to disabled
* Create Repository

1. Create a repository in all three machines

vi /etc/yum.repo.d/mariadb.repo

1. add below lines into the mariadb.repo file

name = MariaDB

baseurl = http://yum.mariadb.org/10.4.5/centos7-amd64/

gpgkey=https://yum.mariadb.org/RPM-GPG-KEY-MariaDB

gpgcheck=1

* Installation

yum install -y MariaDB-server MriaDB-client

* Create a user for galera

# mysql -u root -p

# GRANT ALL PRIVILEGES ON \*.\* TO 'sst\_user'@'localhost' IDENTIFIED BY 'dbpass';

Disable and stop MariaDB service

systemctl diable mariadb

Systemctl stop mariadb

Node1

1. vi /etc/my.cnf.d/server.cnf
2. add below lines into the server.cnf file

[galera]

binlog\_format=row

default-storage-engine=InnoDB

innodb\_autoinc\_lock\_mode=2

innodb\_locks\_unsafe\_for\_binlog=1

query\_cache\_size=0

query\_cache\_type=0

bind-address=0.0.0.0

datadir=/var/lib/mysql

innodb\_log\_file\_size=100M

innodb\_file\_per\_table

innodb\_flush\_log\_at\_trx\_commit=2

wsrep\_on=ON

wsrep\_provider=/usr/lib64/galera-4/libgalera\_smm.so wsrep\_cluster\_address="**gcomm://192.168.56.101,192.168.56.102,192.168.56.103**"

wsrep\_cluster\_name='**My\_Cluster\_Name**'

wsrep\_node\_address='192.168.56.101'

wsrep\_node\_name='node1'

wsrep\_sst\_method=rsync

wsrep\_sst\_auth=sst\_user:dbpass

Node2

1. vi /etc/my.cnf.d/server.cnf
2. add below lines into the server.cnf file

[galera]

binlog\_format=row

default-storage-engine=InnoDB

innodb\_autoinc\_lock\_mode=2

innodb\_locks\_unsafe\_for\_binlog=1

query\_cache\_size=0

query\_cache\_type=0

bind-address=0.0.0.0

datadir=/var/lib/mysql

innodb\_log\_file\_size=100M

innodb\_file\_per\_table

innodb\_flush\_log\_at\_trx\_commit=2

wsrep\_on=ON

wsrep\_provider=/usr/lib64/galera-4/libgalera\_smm.so wsrep\_cluster\_address="**gcomm://192.168.56.101,192.168.56.102,192.168.56.103**"

wsrep\_cluster\_name='**My\_Cluster\_Name**'

wsrep\_node\_address='192.168.56.102'

wsrep\_node\_name='node2'

wsrep\_sst\_method=rsync

wsrep\_sst\_auth=sst\_user:dbpass

Node3

1. vi /etc/my.cnf.d/server.cnf
2. add below lines into the server.cnf file

[galera]

binlog\_format=row

default-storage-engine=InnoDB

innodb\_autoinc\_lock\_mode=2

innodb\_locks\_unsafe\_for\_binlog=1

query\_cache\_size=0

query\_cache\_type=0

bind-address=0.0.0.0

datadir=/var/lib/mysql

innodb\_log\_file\_size=100M

innodb\_file\_per\_table

innodb\_flush\_log\_at\_trx\_commit=2

wsrep\_on=ON

wsrep\_provider=/usr/lib64/galera-4/libgalera\_smm.so wsrep\_cluster\_address="**gcomm://192.168.56.101,192.168.56.102,192.168.56.103**"

wsrep\_cluster\_name='**My\_Cluster\_Name**'

wsrep\_node\_address='192.168.56.103'

wsrep\_node\_name='node3'

wsrep\_sst\_method=rsync

wsrep\_sst\_auth=sst\_user:dbpass

Node1

Run below command

# galera\_new\_cluster

Node2,Node3

systemctl start mariadb