sudo yum -y update

sudo yum -y install rsync firewalld

# MariaDB 10.4 CentOS repository list - created 2019-09-30 05:03 UTC # <http://downloads.mariadb.org/mariadb/repositories/>

[mariadb]

name = MariaDB baseurl = <http://yum.mariadb.org/10.4/centos7-amd64> gpgkey=<https://yum.mariadb.org/RPM-GPG-KEY-MariaDB> gpgcheck=1

sudo yum install MariaDB-server MariaDB-client

datadir=/var/lib/mysql

socket=/var/lib/mysql/mysql.sock

bind-address=0.0.0.0

user=mysql

default\_storage\_engine=InnoDB

innodb\_autoinc\_lock\_mode=2

innodb\_flush\_log\_at\_trx\_commit=0

innodb\_buffer\_pool\_size=128M

binlog\_format=ROW

log-error=/var/log/mysqld.log

wsrep\_on=ON

wsrep\_provider=/usr/lib64/galera-4/libgalera\_smm.so

wsrep\_node\_name='galera1'

wsrep\_node\_address=""

wsrep\_cluster\_name='galera-training'

wsrep\_cluster\_address="gcomm:// "

wsrep\_provider\_options="gcache.size=300M; gcache.page\_size=300M"

wsrep\_slave\_threads=4

wsrep\_sst\_method=rsync

sudo semanage port -a -t mysqld\_port\_t -p tcp 3306

sudo semanage port -a -t mysqld\_port\_t -p tcp 4444

sudo semanage port -a -t mysqld\_port\_t -p tcp 4567

sudo semanage port -a -t mysqld\_port\_t -p udp 4567

sudo semanage port -a -t mysqld\_port\_t -p tcp 4568

sudo semanage permissive -a mysqld\_t

sudo systemctl enable firewalld

sudo systemctl start firewalld

sudo firewall-cmd --zone=public --add-service=mysql --permanent

sudo firewall-cmd --zone=public --add-port=3306/tcp --permanent

sudo firewall-cmd --zone=public --add-port=4444/tcp --permanent

sudo firewall-cmd --zone=public --add-port=4567/tcp --permanent

sudo firewall-cmd --zone=public --add-port=4567/udp --permanent

sudo firewall-cmd --zone=public --add-port=4568/tcp --permanent

sudo firewall-cmd --reload

sudo galera\_new\_cluster

sudo systemctl start mariadb

sudo systemctl status mariadb

sudo systemctl stop mariadb

sudo mysql -p -u root -e "SHOW STATUS LIKE 'wsrep\_cluster\_size'"

Create S3 bucket

Import file from local machine to s3 bucket

Pip download:

curl -O https://bootstrap.pypa.io/get-pip.py

python get-pip.py –user

pip install awscli --upgrade –user

create IAM (role)

attach policy to this role

attach this IAM role to EC2 instance

Referred to the link : <https://galeracluster.com/library/training/tutorials/aws-galera-cluster.html>