**Galera Cluster is a synchronous multi-master database cluster, based on**

**synchronous replication and Oracle’s MySQL/InnoDB. When Galera Cluster**

**is in use, you can direct reads and writes to any node, and you can lose**

**any individual node without interruption in operations and without the**

**need to handle complex failover procedures**.

**configure Network**

#vi /etc/sysconfig/network-scripts/ifcfg-enp0s3

#vi /etc/hosts

#vi /etc/resolv.conf

#service network restart

#ping 192.168.72.1

**diabled selinux**

#vi /etc/sysconfig/selinux

SELINUX=disabled

#init 6

\*\*\*\*Add ports

#firewall-cmd --permanent --add-port={3306/tcp,4444/tcp,4567/tcp,4568/tcp}

#firewall-cmd --reload

**install percona repository**

#yum install https://repo.percona.com/yum/percona-release-latest.noarch.rpm

#vi /etc/yum.repos.d/percona-original-release.repo

gpgcheck=0

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#yum install Percona-XtraDB-Cluster-57 -y

#systemctl start mysqld

**Run the below command for get the temprory password**

#sudo grep 'temporary password' /var/log/mysqld.log

u will get temp pass \_\_^VFU(:>">^JH\_\_ like that

**then enter in mysql**

#mysql -u root -p

password: {past above temprory password}

mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY 'temp';

mysql> exit

#systemctl stop mysqld

#vi /etc/my.cnf

[mysqld]

wsrep\_provider=/usr/lib64/galera3/libgalera\_smm.so

wsrep\_cluster\_name=pxc-cluster

wsrep\_cluster\_address=gcomm://192.168.72.91,192.168.72.92

wsrep\_node\_name=pxc1

wsrep\_node\_address=192.168.72.91

wsrep\_sst\_method=xtrabackup-v2

wsrep\_sst\_auth=sstuser:temp

pxc\_strict\_mode=ENFORCING

binlog\_format=ROW

default\_storage\_engine=InnoDB

innodb\_autoinc\_lock\_mode=2

**follow this step on both nodes afte that we need to configure only first nodes**

#systemctl start mysql@bootstrap

#mysql -u root -p

mysql> CREATE USER 'sstuser'@'localhost' IDENTIFIED BY 'temp';

mysql>GRANT RELOAD, LOCK TABLES, PROCESS, REPLICATION CLIENT ON \*.\* TO 'sstuser'@'localhost';

mysql>FLUSH PRIVILEGES;

**after that we need to start mysql on second node**

#systemctl start mysqld

#mysql -u root -p

mysql> show status like '%wsrep%';

**u can also check by creating database on first node and show database on second node**

**if its work then ur pxc is completed....**