# Percona Xtradb Cluster my.cnf详解

**my.cnf**

[mysqld]

# GENERAL

datadir = /data/mysqldata#数据存储路径

tmpdir = /tmp

socket = /data/mysqldata/mysql.sock

pid\_file = /data/mysqldata/mysql.pid

user = mysql

port = 3306

character-set-server = utf8

bind-address = 0.0.0.0

server-id = 3232235812#根据IP地址转换为整数 INET\_ATON("192.168.1.36")

skip-name-resolve

# INNODB

# This changes how |InnoDB| autoincrement locks are managed and is a requirement for Galera

innodb\_autoinc\_lock\_mode = 2 #自增ID的锁请求由Galera控制

innodb\_buffer\_pool\_size = 56G #innodb引擎的内存使用大写 定义为全部内存的80%

innodb\_buffer\_pool\_instances = 8

innodb\_thread\_concurrency = 12 #Innodb处理线程的数量,定义为实际CPU物理核数,可适当保留2到4个物理核作为备份的使用.

innodb\_log\_buffer\_size = 32M#适当增加 可以提高innodb的写性能,但不明显

innodb\_log\_file\_size = 1024M

innodb\_online\_alter\_log\_max\_size = 512M #在线DDL操作时,数据更新日志的大小。设置过小会导致在DDL操作时该空间占满后的所有DML操作回滚

innodb\_open\_files = 1024

innodb\_purge\_threads = 2

innodb\_data\_home\_dir = /data/mysqldata

innodb\_data\_file\_path = ibdata1:256M:autoextend

innodb\_read\_io\_threads = 8 #读线程数量

innodb\_write\_io\_threads = 8 #写线程的数量

innodb\_file\_per\_table = 1 #每张表使用独立的数据文件

innodb\_flush\_method = O\_DIRECT

innodb\_flush\_log\_at\_trx\_commit = 2 #数据写到系统缓存及返回,不要求必须写入物理硬盘

innodb\_max\_dirty\_pages\_pct = 90 #脏数据允许90%

innodb\_file\_format = Barracuda

innodb\_file\_format\_max = Barracuda

# MyISAM

key\_buffer\_size = 32M

# LOGS

#general\_log = 1

#general\_log\_file = /data/logs/mysql/mysql\_general.log

log\_warnings = 2

log\_error = /data/logs/mysql/mysql\_error.log

slow\_query\_log = ON

slow\_query\_log\_file = /data/logs/mysql/mysql\_slow.log

log\_queries\_not\_using\_indexes = 0 #开启未使用索引也是慢语句

long\_query\_time = 1 #慢语句时间阀值

expire\_logs\_days = 15 #日志过期阀值(binlog)

log-bin = mysql-bin.log

innodb\_print\_all\_deadlocks = 1

relay-log = relay-log

relay-log-index = relay-log

# BINLOG

# In order for Galera to work correctly binlog format should be ROW

binlog\_format = ROW

binlog\_cache\_size = 16M

max\_binlog\_size = 512M

# OTHER

default\_storage\_engine = InnoDB

tmp\_table\_size = 32M

max\_heap\_table\_size = 128M

query\_cache\_type = 0

query\_cache\_size = 0M

max\_connections = 1024

thread\_cache\_size = 200

open\_files\_limit = 65535

innodb\_buffer\_pool\_load\_at\_startup = ON

innodb\_buffer\_pool\_dump\_at\_shutdown = ON

auto\_increment\_offset = 1 #自增ID的步长

optimizer-switch = "mrr=on,mrr\_cost\_based=off,batched\_key\_access=on" #开启mmr 开启bka

join\_buffer\_size = 512K

sort\_buffer\_size = 1M

# WSREP

wsrep\_auto\_increment\_control = OFF #是否由Galera 决定自增ID

# Path to Galera library

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

# Cluster connection URL

wsrep\_cluster\_address = gcomm://192.168.33.30:4567,192.168.33.31:4567,192.168.33.36:5567

# Node #1 address

wsrep\_node\_address = 192.168.33.36 # 本机IP地址

# SST method

wsrep\_sst\_method = xtrabackup-v2 #快照同步的方式

# Cluster name

wsrep\_cluster\_name = Yooli\_Three\_Cluster

# Authentication for SST method

wsrep\_sst\_auth = "sstuser:sstpass"

wsrep\_max\_ws\_rows = 262144 #Galera 单事务最大行数

wsrep\_max\_ws\_size = 2147483648 #Galera 单事务最大数据大小

wsrep\_slave\_threads = 16

wsrep\_provider\_options = "base\_port=5567; gcache.size=64G; gcache.page\_size=512M; gcs.fc\_master\_slave = yes;" #详见wiki内文档

#Replication

log\_slave\_updates = 1

slave\_parallel\_workers = 4

gtid-mode = on

enforce\_gtid\_consistency = true

binlog\_checksum = CRC32

slave\_allow\_batching = 1

master\_verify\_checksum = 1

slave\_sql\_verify\_checksum = 1

master\_info\_repository = TABLE

relay\_log\_info\_repository = TABLE

[sst]

#inno-backup-opts='--no-backup-locks'

#compressor='gzip'

#decompressor='gzip -dc'

[client]

socket = /data/mysqldata/mysql.sock

port = 3306

#default\_character\_set = utf8

[mysql]

default-character-set = utf8

prompt ="\\u@\\h : \\d \\R:\\m:\\s>"

no-auto-rehash