

percona 二进制安装报错

```
[ERROR] Plugin keyring_file reported: 'keyring_file initialization failure. Please check if the keyring_file_data points to readable keyring file or keyring file can be created in the specified location. The keyring_file will stay unusable until correct path to the keyring file gets provided'
```

解决方法：

Mysql插件：keyring_file 是5.7版本的一个加密插件

法1 在配置文件设置参数

在[mysqld]下添加：

```
early-plugin-load="",
```

然而这样就禁用了插件keyring_file。这样也许不是想要的效果。

法2 如果要保留这个插件，应该这样处理：

在配置文件my.cnf设置参数

在[mysqld]下添加：

```
early-plugin-load=keyring_file.so
```

```
keyring_file_data="/usr/local/mysql-5.7.11-src/keyring_3306/keyring"
```

这个目录可以自己指定，如果不存在需要手动建目录。如下

```
mkdir -p /usr/local/mysql-5.7.11-src/keyring_3306
```

```
chmod 750 keyring_3306
```

```
chown mysql:mysql keyring_3306
```

然后再重启mysql实例，就可以初始化插件keyring_file，不会有报错了。

```
[ERROR] Can't open the mysql.plugin table. Please run mysql_upgrade to create it.
```

解决方法：

```
2017-05-12T04:29:46.161669+08:00 0 [ERROR] Can't start server: Bind on TCP/IP port: Cannot assign requested address
```

```
2017-05-12T04:29:46.161681+08:00 0 [ERROR] Do you already have another mysqld server running on port: 3306 ?
```

```
2017-05-12T04:29:46.161722+08:00 0 [ERROR] Aborting
```

解决方法：

将/etc/my.cnf中的bind_address参数注释掉

```
[root@localhost mysql]# service mysql start
```

```
Starting MySQL (Percona Server)..... ERROR! The server quit without updating PID file (/mysqldata/localhost.localdomain.pid).
```

问题可能的原因有多种，具体什么原因最好的办法是先查看下错误日志：

1、可能是/usr/local/mysql/data/mysql.pid文件没有写的权限

解决方法：给予权限，执行 “chown -R mysql:mysql /var/data” “chmod -R 755 /usr/local/mysql/data” 然后重新启动mysqld！

2、可能进程里已经存在mysql进程

解决方法：用命令 “ps -ef|grep mysqld” 查看是否有mysqld进程，如果有使用 “kill -9 进程号” 杀死，然后重新启动mysqld！

3、可能是第二次在机器上安装mysql，有残余数据影响了服务的启动。

解决方法：去mysql的数据目录/data看看，如果存在mysql-bin.index，就赶快把它删除掉吧，它就是罪魁祸首了。本人就是使用第三条方法解决的！

4、mysql在启动时没有指定配置文件时会使用/etc/my.cnf配置文件，请打开这个文件查看在[mysqld]节下有没有指定数据目录(datadir)。

解决方法：请在[mysqld]下设置这一行：datadir = /usr/local/mysql/data

5、skip-federated字段问题

解决方法：检查一下/etc/my.cnf文件中有没有没被注释掉的skip-federated字段，如果有就立即注释掉吧。

6、错误日志目录不存在

解决方法：使用 “chown” “chmod” 命令赋予mysql所有者及权限

7、selinux惹的祸，如果是centos系统，默认会开启selinux

解决方法：关闭它，打开/etc/selinux/config，把SELINUX=enforcing改为SELINUX=disabled后存盘退出重启机器试试。

```
[root@localhost mysql]# service mysql status
```

```
ERROR! MySQL (Percona Server) is not running, but lock file (/var/lock/subsys/mysql) exists
```

```
[root@localhost mysql]# service mysql stop
```

```
ERROR! MySQL (Percona Server) PID file could not be found!
```

```
[root@localhost mysql]# service mysql status
```

```
ERROR! MySQL (Percona Server) is not running, but lock file (/var/lock/subsys/mysql) exists
```

```
[root@localhost mysql]#
```

解决方法：

```
ls -l | grep mysql : to see which program has the lock
```

```
ls -l /var/lock/subsys/mysql
```

```
[root@localhost mysql]# service mysql start
```

```
Starting MySQL (Percona Server)..... ERROR! The server quit without updating PID file (/mysqldata/localhost.localdomain.pid).
```

```
[root@localhost mysql]# service mysql status
```

```
ERROR! MySQL (Percona Server) is not running, but lock file (/var/lock/subsys/mysql) exists
```

```
[root@localhost mysql]# service mysql stop
```

```
ERROR! MySQL (Percona Server) PID file could not be found!
```

```
[root@localhost mysql]# service mysql status
```

```
ERROR! MySQL (Percona Server) is not running, but lock file (/var/lock/subsys/mysql) exists
```

```
[root@localhost mysql]# cd /var/lock/subsys/mysql
```

```
-bash: cd: /var/lock/subsys/mysql: Not a directory
```

```
[root@localhost mysql]# cd /var/lock/subsys
```

```
[root@localhost subsys]# ls
```

```
abrt-ccpp abrt-d aicp atd auditd autofs blk-availability certmonger cups haldaemon ip6tables iptables local lvm2-  
monitor mclogd messagebus mysql netfs network rpcbind rpc.statd rsyslog sshd
```

```
[root@localhost subsys]# rm -f /var/lock/subsys/mysql
```

```
[root@localhost subsys]# service mysql status
```

```
ERROR! MySQL (Percona Server) is not running
```

```
[root@localhost subsys]# service mysql start
```

```
Starting MySQL (Percona Server)..... ERROR! The server quit without updating PID file (/mysqldata/localhost.localdomain.pid).
```

```
[root@localhost subsys]#
```

解决方法：

参考：http://blog.sina.com.cn/s/blog_637e04c9010117ri.html

```
[root@localhost bin]#
```

```
[root@localhost bin]# ./mysqld --datadir=/mysqldata --basedir=/usr/local/mysql --initialize-insecure --user=mysql
```

```
2017-07-17T19:51:27.242426Z 0 [ERROR] Can't find error-message file '/usr/local/mysql/share/errmsg.sys'. Check error-message file  
location and 'lc-messages-dir' configuration directive.
```

```
2017-07-17T19:51:27.243653Z 0 [ERROR] --initialize specified but the data directory has files in it. Aborting.
```

```
2017-07-17T19:51:27.243700Z 0 [ERROR] Aborting
```

```
[root@localhost bin]#
```

```
[root@localhost bin]# ./mysqld --defaults-file=/etc/my.cnf --initialize --user=mysql
```

```
2017-07-17T19:48:28.783669Z 0 [ERROR] Can't find error-message file '/usr/local/Percona-Server-5.7.11-4-  
Linux.x86_64.ssl101/share/errmsg.sys'. Check error-message file location and 'lc-messages-dir' configuration directive.
```

```
2017-07-17T19:48:28.785398Z 0 [ERROR] --initialize specified but the data directory has files in it. Aborting.
```

```
2017-07-17T19:48:28.785473Z 0 [ERROR] Aborting
```

```
[root@localhost bin]#
```

```
[root@localhost bin]# ./mysqld --initialize --user=mysql --basedir=/usr/local/mysql --datadir=/mysqldata
```

```
2017-07-18T08:58:01.367389Z 0 [ERROR] --initialize specified but the data directory has files in it. Aborting.
```

```
2017-07-18T08:58:01.367645Z 0 [ERROR] Aborting
```

```
[root@localhost bin]# ./mysqld --initialize --user=mysql --defaults-file=/etc/my.cnf
```

```

2017-07-18T08:58:50.686184Z 0 [ERROR] Can't find error-message file '/usr/local/Percona-Server-5.7.11-4-
Linux.x86_64.ssl101/share/errmsg.sys'. Check error-message file location and 'lc-messages-dir' configuration directive.
2017-07-18T08:58:50.688026Z 0 [ERROR] --initialize specified but the data directory has files in it. Aborting.
2017-07-18T08:58:50.688079Z 0 [ERROR] Aborting

[root@localhost bin]# cd
[root@localhost ~]#
[root@localhost ~]# cd /mysqldata/
[root@localhost mysqldata]# ls
binlog
[root@localhost mysqldata]# rm -rf *
[root@localhost mysqldata]# cd /usr/local/mysql/bin/
[root@localhost bin]# ./mysqld --initialize --user=mysql --basedir=/usr/local/mysql --datadir=/mysqldata
mysqld: File '/mysqldata/binlog/mysql-bin.index' not found (Errcode: 2 - No such file or directory)
2017-07-18T09:00:21.800801Z 0 [ERROR] Aborting

[root@localhost bin]#
[root@localhost bin]# ./mysqld --initialize --user=mysql
2017-07-18T09:01:35.818480Z 0 [ERROR] Can't find error-message file '/usr/local/Percona-Server-5.7.11-4-
Linux.x86_64.ssl101/share/errmsg.sys'. Check error-message file location and 'lc-messages-dir' configuration directive.
mysqld: File '/mysqldata/binlog/mysql-bin.index' not found (Errcode: 2 - No such file or directory)
2017-07-18T09:01:35.821531Z 0 [ERROR] Aborting

[root@localhost bin]#

[root@localhost mysqldata]# cd /usr/local/mysql
[root@localhost mysql]# bin/mysqld --initialize-insecure --user=mysql --basedir=/usr/local/mysql datadir=/mysqldata
2017-07-18T09:18:17.623763Z 0 [Warning] You need to use --log-bin to make --binlog-format work.
100 200 300 400 500 600 700 800 900 1000
100 200
100 200
100 200
2017-07-18T09:18:19.495682Z 0 [Warning] InnoDB: New log files created, LSN=45791
2017-07-18T09:18:19.677814Z 0 [Warning] InnoDB: Creating foreign key constraint system tables.
2017-07-18T09:18:19.803647Z 0 [ERROR] Too many arguments (first extra is 'datadir=/mysqldata').
2017-07-18T09:18:19.803677Z 0 [ERROR] Aborting

[root@localhost mysql]# cd /mysqldata/
[root@localhost mysqldata]# ll
total 1835016
-rw-r-----. 1 mysql mysql      209 Jul 18 17:18 ib_buffer_pool
-rw-r-----. 1 mysql mysql 1073741824 Jul 18 17:18 ibdata1
-rw-r-----. 1 mysql mysql 268435456 Jul 18 17:18 ib_logfile0
-rw-r-----. 1 mysql mysql 268435456 Jul 18 17:18 ib_logfile1
-rw-r-----. 1 mysql mysql 268435456 Jul 18 17:18 ib_logfile2
[root@localhost mysqldata]# rm -f *
[root@localhost mysqldata]# cd /usr/local/mysql/
[root@localhost mysql]# bin/mysqld --initialize-insecure --user=mysql --basedir=/usr/local/mysql
2017-07-18T09:20:50.929538Z 0 [Warning] You need to use --log-bin to make --binlog-format work.
100 200 300 400 500 600 700 800 900 1000
100 200
100 200
100 200
2017-07-18T09:20:53.134368Z 0 [Warning] InnoDB: New log files created, LSN=45791
2017-07-18T09:20:53.383387Z 0 [Warning] InnoDB: Creating foreign key constraint system tables.
2017-07-18T09:20:53.634489Z 0 [Warning] No existing UUID has been found, so we assume that this is the first time that this
server has been started. Generating a new UUID: 65df16c5-6b9a-11e7-8638-000c291afaa3.
2017-07-18T09:20:53.638557Z 0 [Warning] Gtid table is not ready to be used. Table 'mysql.gtid_executed' cannot be opened.

```

```

2017-07-18T09:20:54.430562Z 0 [Warning] CA certificate ca.pem is self signed.
2017-07-18T09:20:54.599710Z 1 [Warning] root@localhost is created with an empty password ! Please consider switching off the --
initialize-insecure option.
2017-07-18T09:20:55.331402Z 1 [Warning] 'user' entry 'root@localhost' ignored in --skip-name-resolve mode.
2017-07-18T09:20:55.331428Z 1 [Warning] 'user' entry 'mysql.sys@localhost' ignored in --skip-name-resolve mode.
2017-07-18T09:20:55.331439Z 1 [Warning] 'db' entry 'sys mysql.sys@localhost' ignored in --skip-name-resolve mode.
2017-07-18T09:20:55.331448Z 1 [Warning] 'proxies_priv' entry '@ root@localhost' ignored in --skip-name-resolve mode.
2017-07-18T09:20:55.331468Z 1 [Warning] 'tables_priv' entry 'sys_config mysql.sys@localhost' ignored in --skip-name-resolve mode.
[root@localhost mysql]#

```

initialize终于完了，但是mysql服务启动失败：

```

[root@localhost mysql]# /etc/init.d/mysql status
MySQL (Percona Server) is not running                                [FAILED]
[root@localhost mysql]# /etc/init.d/mysql start
/etc/init.d/mysql: line 276: cd: /usr/local/Percona-Server-5.7.11-4-Linux.x86_64.ssl101: No such file or directory
Starting MySQL (Percona Server)Couldn't find MySQL server ([FAILED]al/Percona-Server-5.7.11-4-
Linux.x86_64.ssl101/bin/mysqld_safe)
[root@localhost mysql]#

```

解决方法：

在 /etc/my.cnf 配置文件里添加：

```
basedir=/usr/local/mysql
```

总结：

之前initialize 报错，完全是因为有人故意给我设坑，my.cnf我是拷别人的，里面的参数有不少是有问题的，下面贴一份没有问题的my.cnf

```

[root@localhost ~]# cat /etc/m
cat: /etc/m: No such file or directory
[root@localhost ~]# cat /etc/my.cnf
[mysqld]
port=3306
basedir=/usr/local/mysql
datadir=/mysqldata
socket=/mysqldata/mysql.sock
skip_external_locking
open_files_limit = 65535
#lower_case_table_names = 1

#### skip domain hostname #####
skip-name-resolve
#explicit_defaults_for_timestamp

#### bin-log #####
server-id=201100
#log-bin=/mysqldata/binlog/mysql-bin.index
max_binlog_size=256M
binlog-format=row
sync_binlog=0
expire_logs_days = 7
#binlog-ignore-db=mysql
#replicate-ignore-db=mysql
#replicate_wild_ignore_table=mysql.%
#master-connect-retry=60

#### relay log #####
#relay_log = /mysqldata/relaylog/mysql-relay
#relay_log_purge = 1
#expire_logs_days=3
skip_slave_start

```

```

#### character #####
character-set-server=utf8
#init_connect='SET NAMES utf8'

#### connect #####
max_connections=10240
max_allowed_packet=24M

#### timeout #####
wait_timeout=31536000
interactive_timeout=31536000

#### variables size #####
tmp_table_size=64M
max_heap_table_size = 64M
key_buffer_size=128M

table_definition_cache=4096
table_open_cache=1024
join_buffer_size=4M
sort_buffer_size=4M
read_buffer_size=8M
myisam_sort_buffer_size = 4M

thread_cache_size = 16

explicit_defaults_for_timestamp = 1
sysdate-is-now

##### general_log #####
#general_log=ON
#general_log_file=/mysqldata/general_log/general_log.log

##### slow_log #####
#default OFF
long_query_time=1
slow_query_log=1
#slow_query_log_file=/mysqldata/slowlog/slow-query.log
log_queries_not_using_indexes=1

##### query_cache #####
#default OFF
#explicit_defaults_for_timestamp=true
query_cache_type=0
query_cache_size=0
#thread_cache = 500
#query_cache_limit=2M

##### innodb #####
innodb_read_io_threads = 4
innodb_write_io_threads = 4
innodb_buffer_pool_instances = 4
innodb_buffer_pool_size = 4G
#innodb_additional_mem_pool_size =32M

```

innodb_thread_concurrency = 0

innodb_file_per_table=1

innodb_data_home_dir=/mysqldata

innodb_data_file_path=ibdata1:1G:autoextend

innodb_io_capacity = 2000

innodb_autoinc_lock_mode = 2

innodb_locks_unsafe_for_binlog = 0

#transaction-isolation = READ-COMMITTED

innodb_log_file_size = 256M

innodb_log_buffer_size = 32M

innodb_log_files_in_group = 3

innodb_lock_wait_timeout=15

innodb_flush_method=O_DIRECT

innodb_purge_threads=1

innodb_flush_log_at_trx_commit = 0

[mysql]

socket=/mysqldata/mysql.sock

no_auto_rehash

prompt = "\R:\m:\s \d> "

[mysqldump]

socket=/mysqldata/mysql.sock

[root@localhost ~]#