

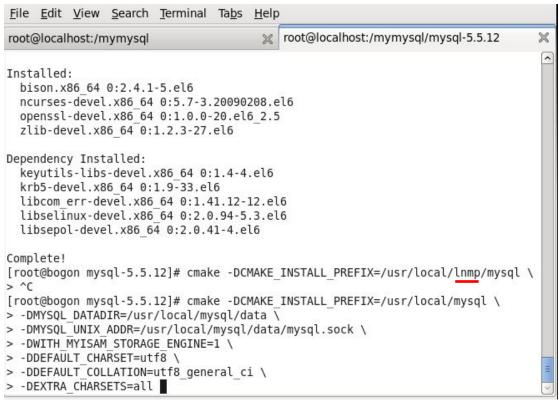
yum install gcc gcc-c++ make ncurses-devel bison openssl-devel zlib-devel cmake

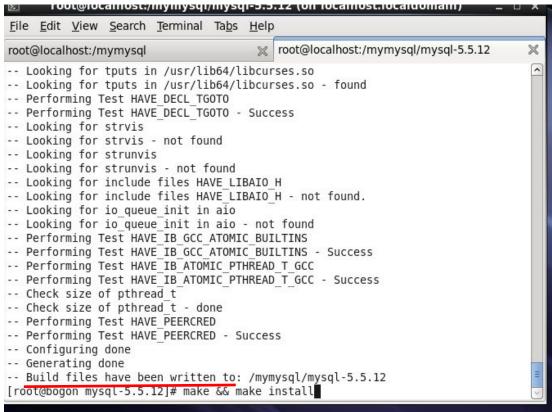
```
File Edit View Search Terminal Tabs Help
                                       root@localhost:/mymysql/mysql-5.5.12
                                                                                 ×
root@localhost:/mymysql
                                                                                 ^
Installed:
  bison.x86 64 0:2.4.1-5.el6
  ncurses-devel.x86 64 0:5.7-3.20090208.el6
  openssl-devel.x86 64 0:1.0.0-20.el6 2.5
  zlib-devel.x86 64 0:1.2.3-27.el6
Dependency Installed:
  keyutils-libs-devel.x86 64 0:1.4-4.el6
  krb5-devel.x86 64 0:1.9-33.el6
  libcom_err-devel.x86_64 0:1.41.12-12.el6
  libselinux-devel.x86 64 0:2.0.94-5.3.el6
  libsepol-devel.x86 64 0:2.0.41-4.el6
Complete!
[root@bogon mysql-5.5.12]# cmake -DCMAKE INSTALL PREFIX=/usr/local/lnmp/mysql \
> ^C
[root@bogon mysql-5.5.12]# cmake -DCMAKE INSTALL PREFIX=/usr/local/mysql \
> -DMYSQL DATADIR=/usr/local/mysql/data \
> -DMYSQL UNIX ADDR=/usr/local/mysql/data/mysql.sock \
> -DWITH MYISAM STORAGE ENGINE=1 \
> -DDEFAULT_CHARSET=utf8 \
> -DDEFAULT COLLATION=utf8 general ci \
> -DEXTRA CHARSETS=all
-- Performing Test HAVE LANGINFO CODESET
-- Performing Test HAVE LANGINFO CODESET - Success
-- Looking for mbrlen
-- Looking for mbrlen - found
-- Looking for mbscmp
-- Looking for mbscmp - not found
-- Looking for mbsrtowcs
-- Looking for mbsrtowcs - found
-- Looking for wcrtomb
-- Looking for wortomb - found
-- Looking for mbrtowc
-- Looking for mbrtowc - found
-- Looking for wcscoll
-- Looking for wcscoll - found
-- Looking for wcsdup
-- Looking for wcsdup - found
-- Looking for wcwidth
-- Looking for wcwidth - found
-- Looking for wctype
-- Looking for wctype - found
-- Looking for iswlower
-- Looking for iswlower - found
```

-- Looking for iswupper

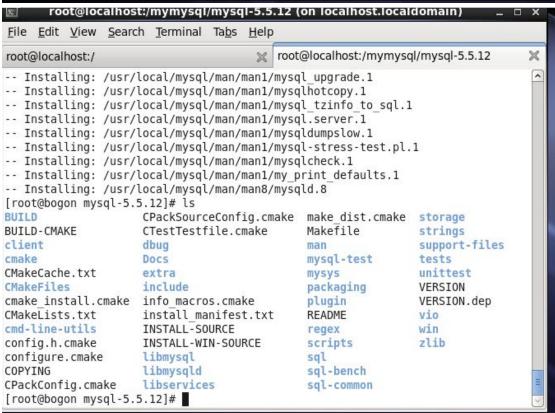
```
root@localhost:/mymysql
                                         root@localhost:/mymysql/mysql-5.5.12
                                                                                 ×
-- Looking for towupper
-- Looking for towupper - found
-- Looking for iswctype
-- Looking for iswctype - found
-- Check size of wchar t
-- Check size of wchar t - done
-- Check size of wctype t
-- Check size of wctype t - done
-- Check size of wint t
-- Check size of wint t - done
-- Could NOT find Curses (missing: CURSES LIBRARY CURSES INCLUDE PATH)
CMake Error at cmake/readline.cmake:82 (MESSAGE):
 Curses library not found. Please install appropriate package,
      remove CMakeCache.txt and rerun cmake.On Debian/Ubuntu, package name is li
bncurses5-dev, on Redhat and derivates it is ncurses-devel.
Call Stack (most recent call first):
 cmake/readline.cmake:126 (FIND CURSES)
  cmake/readline.cmake:216 (MYSQL USE BUNDLED LIBEDIT)
  CMakeLists.txt:250 (MYSQL CHECK READLINE)
-- Configuring incomplete, errors occurred!
[root@bogon mysql-5.5.12]#
```



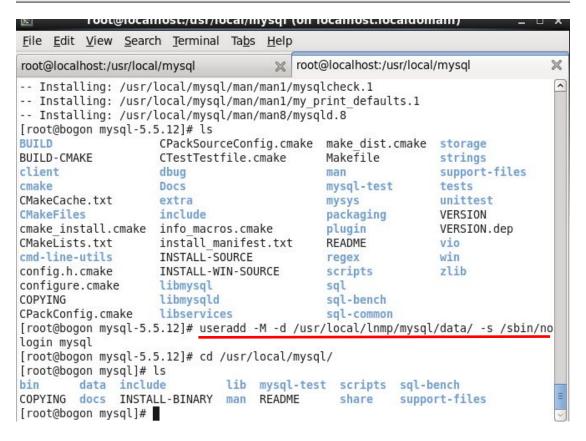




```
Linking CXX static library libmyisammrg.a
[ 31%] Built target myisammrg
Scanning dependencies of target mysqlservices
[ 32%] Building C object libservices/CMakeFiles/mysqlservices.dir/my snprintf se
rvice.c.o
[ 32%] Building C object libservices/CMakeFiles/mysqlservices.dir/thd alloc serv
ice.c.o
[ 32%] Building C object libservices/CMakeFiles/mysqlservices.dir/thd wait servi
ce.c.o
[ 32%] Building C object libservices/CMakeFiles/mysqlservices.dir/my thread sche
duler service.c.o
Linking C static library libmysqlservices.a
[ 32%] Built target mysqlservices
Scanning dependencies of target federated
[ 33%] Building CXX object storage/federated/CMakeFiles/federated.dir/ha federat
ed.cc.o
[ 33%] Building C object storage/federated/CMakeFiles/federated.dir/ / /mysys/
string.c.o
Linking CXX shared module ha federated.so
[ 33%] Built target federated
Scanning dependencies of target example
[ 33%] Building CXX object storage/example/CMakeFiles/example.dir/ha example.cc.
```



```
root@localhost:/mymysql/mysql-5.5.12 (on localhost.localdomain)
File Edit View Search Terminal Tabs Help
                                         root@localhost:/mymysql/mysql-5.5.12
root@localhost:/mymysql
                                                                                 ×
[root@bogon mymysql]# ls
mysql-5.5.12.tar.gz
[root@bogon mymysql]# tar zxf mysql-5.5.12.tar.gz
[root@bogon mymysql]# ls
mysql-5.5.12 mysql-5.5.12.tar.gz
[root@bogon mymysql]# cd mysql-5.5.12
[root@bogon mysql-5.5.12]# ls
                                     libmysgld
BUILD
                 COPYING
                                                  regex
                                                                  tests
                 dbug
BUILD-CMAKE
                                     libservices scripts
                                                                  unittest
client
                 Docs
                                     man
                                                  sql
                                                                 VERSION
                                                  sql-bench
cmake
                 extra
                                     mysql-test
                                                                 vio
CMakeLists.txt
                                                  sql-common
                include
                                                                 win
                                     mysys
                 INSTALL-SOURCE
cmd-line-utils
                                     packaging
                                                  storage
                                                                  zlib
config.h.cmake
                 INSTALL-WIN-SOURCE
                                     plugin
                                                  strings
configure.cmake libmysql
                                                  support-files
                                     README
[root@bogon mysql-5.5.12]#
```



```
[root@bogon mysql]# cd support-files/
[root@bogon support-files]# ls
binary-configure my-huge.cnf
                                                  mysqld_multi.server
config.huge.ini
                      my-innodb-heavy-4G.cnf mysql-log-rotate
config.medium.ini my-large.cnf
                                                 mysql.server
                      my-medium.cnf
                                                 ndb-config-2-node.ini
config.small.ini
magic
                      my-small.cnf
[root@bogon support-files]# cp mysql.server /etc/init.d/mysqld
[root@bogon support-files]#
[root@bogon support-files]# cp mysql.server /etc/init.d/mysqld
[root@bogon support-files]# cp my-large.cnf /etc/my.cnf
cp: overwrite `/etc/my.cnf'? y
[root@bogon support-files]# cd ..
[root@bogon mysql]# ll
total 76
drwxr-xr-x. 2 root root 4096 May 10 01:50 bin
-rw-r--r-. 1 root root 17987 Apr 11 2011 COPYING
drwxr-xr-x. 4 root root 4096 May 10 01:49 data
drwxr-xr-x. 2 root root 4096 May 10 01:49 docs
drwxr-xr-x. 3 root root 4096 May 10 01:49 include
-rw-r--r-. 1 root root 7370 Apr 11 2011 INSTALL-BINARY drwxr-xr-x. 3 root root 4096 May 10 01:49 lib drwxr-xr-x. 4 root root 4096 May 10 01:50 man
drwxr-xr-x. 10 root root 4096 May 10 01:50 mysql-test
-rw-r--r--. 1 root root 2552 Apr 11 2011 README
drwxr-xr-x. 2 root root 4096 May 10 01:50 scripts
drwxr-xr-x. 27 root root 4096 May 10 01:50 share
drwxr-xr-x. 4 root root 4096 May 10 01:50 sql-bench
drwxr-xr-x. 2 root root 4096 May 10 01:50 support-files
[root@bogon mysql]#
[root@bogon mysql]# chown -R root .
[root@bogon mysql]# chown -R mysql data
[root@bogon mysql]# ll
total 76
drwxr-xr-x. 2 root root 4096 May 10 01:50 bin
-rw-r--r-. 1 root root 17987 Apr 11 2011 COPYING
drwxr-xr-x. 4 mysql root 4096 May 10 01:49 data
drwxr-xr-x. 2 root root 4096 May 10 01:49 docs
drwxr-xr-x. 3 root root 4096 May 10 01:49 include
-rw-r--r-. 1 root root 7370 Apr 11 2011 INSTALL-BINARY
drwxr-xr-x. 3 root root 4096 May 10 01:49 lib
drwxr-xr-x. 4 root root 4096 May 10 01:50 man
drwxr-xr-x. 10 root root 4096 May 10 01:50 mysql-test
-rw-r--r-. 1 root root 2552 Apr 11 2011 README
drwxr-xr-x. 2 root root 4096 May 10 01:50 scripts
drwxr-xr-x. 27 root root 4096 May 10 01:50 share
drwxr-xr-x. 4 root root 4096 May 10 01:50 sql-bench drwxr-xr-x. 2 root root 4096 May 10 01:50 support-files
[root@bogon mysql]# cd
[root@bogon ~]# l.
                  .config
                              .gnome2 private .local
                                                                          ssh
                  .cshrc
                              .gnote
                                                  .mozilla
                                                                          .tcshrc
                                                 .nautilus
                                                                          .viminfo
.bash history
                 .dbus
                              .gnupg
                             .gstreamer-0.10 .pulse
.bash logout
                 .esd auth
                                                                          .vimrc
.bash profile .gconf
                              .gtk-bookmarks .pulse-cookie
                 .gconfd
                              .gvfs
.bashrc
                                                 .recently-used.xbel
                 .gnome2
                              .ICEauthority
                                                 .spice-vdagent
[root@bogon ~]# vim .bash profile ■
```

[root@bogon ~]# source .bash_profile

```
[root@bogon scripts]# ls
mysql install db
[root@bogon scripts]# ./mysql install db --user=mysql --basedir=/usr/local/mysql
 --datadir=/usr/local/mysql/data
WARNING: The host 'bogon' could not be looked up with resolveip.
This probably means that your libc libraries are not 100 % compatible
with this binary MySQL version. The MySQL daemon, mysqld, should work
normally with the exception that host name resolving will not work.
This means that you should use IP addresses instead of hostnames
when specifying MySQL privileges !
Installing MySQL system tables...
0K
Filling help tables...
To start mysqld at boot time you have to copy
support-files/mysql.server to the right place for your system
PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
To do so, start the server, then issue the following commands:
/usr/local/mysql/bin/mysqladmin -u root password 'new-password'
/usr/local/mysql/bin/mysqladmin -u root -h bogon password 'new-password'
```

```
[root@bogon bin]# mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 4
Server version: 5.5.12-log Source distribution
Copyright (c) 2000, 2010, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+----+
Database
| information schema |
mysql
| performance schema
test
4 rows in set (0.20 sec)
```

MySQL 5.5 新增一个存储引擎:命名 PERFORMANCE_SCHEMA ,主要用于收集数据库服务器性能参数。MySQL 用户是不能创建存储引擎为PERFORMANCE_SCHEMA 的表

performance_schema 提供以下功能:

1.提供进程等待的详细信息,包括锁、互斥变量、文件信息;

- 2.保存历史的事件汇总信息,为提供 MySQL 服务器性能做出详细的判断;
- 3.对于新增和删除监控事件点都非常容易,并可以随意改变 mysql 服务器的监控周期,例如(CYCLE、MICROSECOND)

通过以上得到的信息,DBA 能够较明细得了解性能降低可能是由于哪些瓶颈?