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# Background

## Difference between MySQL Community Edition and MySQL Enterprise Edition

<http://stackoverflow.com/questions/23195959/mysql-community-server-limitations>

Difference between the community edition and the enterprise edition is added support and tools. The server itself is the same, but the enterprise edition gets updated more frequently and it is stable with quick bug fix support. It would be safe and will not make any problem if the decide to move on to ORACLE in future.

MySQL Enterprise subscriptions include:

1. MySQL Enterprise Server which is the most reliable, secure and up-to-date version of the world’s most popular open source database
2. The MySQL Enterprise Monitor provides monitoring and automated Ad visors to help you eliminate security vulnerabilities, improve replication, optimize performance, and more
3. MySQL Technical Support enables you to get your toughest technical questions answered quickly.
4. MySQL Consultative Support, available with MySQL Enterprise Platinum gives you tailored advise from the MySQL Support team on how to properly design and tune your MySQL servers, schema, queries, and replication set-up for better performance.

MySQL Community Server:

1. Freely available under the open source GPL license
2. In a MyISAM table with dynamic (variable length) rows, the index file for the table (tablename.MYI) stores row locations using 32-bit pointers into the data file (tablename.MYD). That means it can address only 4GB of space.

## Other Links

<http://dev.mysql.com/doc/mysql-repo-excerpt/5.6/en/linux-installation-yum-repo.html>

<http://www.rackspace.com/knowledge_center/article/installing-mysql-server-on-centos>

http://www.thegeekstuff.com/2010/04/yum-groupinstall-mysql-database/

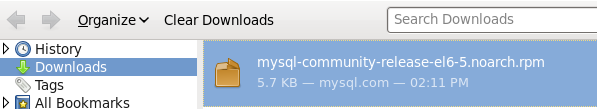
# Download MySQL Yum Repository

<http://dev.mysql.com/downloads/repo/yum/>









Move file to: /home/efg/Software/mysql

**[789 efg localhost 2014-12-11 15:27:03 /home/efg/Software/mysql]**

**ll**

total 8

-rw-rw-r--. 1 efg efg 5824 Dec 11 15:28 mysql-community-release-el6-5.noarch.rpm

**[790 efg localhost 2014-12-11 15:29:42 /home/efg/Software/mysql]**

**sudo yum localinstall mysql-community-release-el6-5.noarch.rpm**

Loaded plugins: fastestmirror, refresh-packagekit, security

Setting up Local Package Process

Examining mysql-community-release-el6-5.noarch.rpm: mysql-community-release-el6-5.noarch

Marking mysql-community-release-el6-5.noarch.rpm to be installed

Loading mirror speeds from cached hostfile

epel/metalink | 15 kB 00:00

\* base: www.gtlib.gatech.edu

\* epel: mirror.unl.edu

\* extras: www.gtlib.gatech.edu

\* updates: www.gtlib.gatech.edu

base | 3.7 kB 00:00

epel | 4.4 kB 00:00

epel/primary\_db | 6.4 MB 00:00

extras | 3.4 kB 00:00

extras/primary\_db | 30 kB 00:00

updates | 3.4 kB 00:00

Resolving Dependencies

--> Running transaction check

---> Package mysql-community-release.noarch 0:el6-5 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

===================================================================================

Package Arch Version

Repository Size

===================================================================================

Installing:

mysql-community-release noarch el6-5 /mysql-community-release-el6-5.noarch 4.3 k

Transaction Summary

===================================================================================

Install 1 Package(s)

Total size: 4.3 k

Installed size: 4.3 k

Is this ok [y/N]: **y**

Downloading Packages:

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : mysql-community-release-el6-5.noarch 1/1

Verifying : mysql-community-release-el6-5.noarch 1/1

Installed:

mysql-community-release.noarch 0:el6-5

Complete!

**[791 efg localhost 2014-12-11 15:30:45 /home/efg/Software/mysql]**

**yum repolist**

Loaded plugins: fastestmirror, refresh-packagekit, security

Loading mirror speeds from cached hostfile

\* base: mirrors.loosefoot.com

\* epel: mirror.unl.edu

\* extras: mirrors.loosefoot.com

\* updates: mirrors.loosefoot.com

repo id repo name status

base CentOS-6 - Base 6,518

epel Extra Packages for Enterprise Linux 6 - x86\_64 11,278

extras CentOS-6 - Extras 36

mysql-connectors-community MySQL Connectors Community 12

mysql-tools-community MySQL Tools Community 18

mysql56-community MySQL 5.6 Community Server 112

updates CentOS-6 - Updates 477

repolist: 18,451

Once the MySQL Yum repository is enabled on the system, any system-wide update by the **yum update** command will upgrade MySQL packages on your system and also replace any native third-party packages, if Yum finds replacements for them from within the MySQL Yum repository.

**[792 efg localhost 2014-12-11 15:32:21 /home/efg/Software/mysql]**

**sudo yum --disablerepo=\\* --enablerepo='mysql\*-community\*' list available**

Loaded plugins: fastestmirror, refresh-packagekit, security

Loading mirror speeds from cached hostfile

mysql-connectors-community-source | 2.5 kB 00:00

mysql-connectors-community-source/primary\_db | 4.2 kB 00:00

mysql-tools-community-source | 2.5 kB 00:00

mysql-tools-community-source/primary\_db | 6.1 kB 00:00

mysql55-community | 2.5 kB 00:00

mysql55-community/primary\_db | 62 kB 00:00

mysql55-community-source | 2.5 kB 00:00

mysql55-community-source/primary\_db | 4.3 kB 00:00

mysql56-community-source | 2.5 kB 00:00

mysql56-community-source/primary\_db | 4.3 kB 00:00

mysql57-community-dmr | 2.5 kB 00:00

mysql57-community-dmr/primary\_db | 34 kB 00:00

mysql57-community-dmr-source | 2.5 kB 00:00

mysql57-community-dmr-source/primary\_db | 3.2 kB 00:00

Available Packages

mysql-community-bench.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-client.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-client.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-common.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-common.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-devel.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-devel.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-embedded.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-embedded.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-embedded-devel.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-embedded-devel.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-libs.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-libs.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-libs-compat.i686 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-libs-compat.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-server.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-community-test.x86\_64 5.7.5-0.6.m15.el6 mysql57-community-dmr

mysql-connector-odbc.x86\_64 5.3.4-1.el6 mysql-connectors-community

mysql-connector-python.noarch 2.0.2-1.el6 mysql-connectors-community

mysql-utilities.noarch 1.5.3-1.el6 mysql-tools-community

mysql-utilities-extra.noarch 1.5.3-1.el6 mysql-tools-community

mysql-workbench-community.x86\_64 6.2.4-1.el6 mysql-tools-community

# Install MySQL Packages

Note: ***libzip*** and ***tinyxml*** below are required for *mysql-workbench* but for some reason are not automatically loaded.

**[794 efg localhost 2014-12-11 15:38:18 /home/efg/Software/mysql]**

**sudo yum install mysql-community-server mysql-community-devel mysql-workbench-community mysql-utilities mysql-connector-python mysql-community-libs libzip tinyxml**

Loaded plugins: fastestmirror, refresh-packagekit, security

Setting up Install Process

Loading mirror speeds from cached hostfile

\* base: mirror.us.oneandone.net

\* epel: mirror.unl.edu

\* extras: mirror.us.oneandone.net

\* updates: mirror.us.oneandone.net

Resolving Dependencies

--> Running transaction check

---> Package libzip.x86\_64 0:0.9-3.1.el6 will be installed

---> Package mysql-community-devel.x86\_64 0:5.6.22-2.el6 will be installed

---> Package mysql-community-libs.x86\_64 0:5.6.22-2.el6 will be obsoleting

--> Processing Dependency: mysql-community-common(x86-64) = 5.6.22-2.el6 for package: mysql-community-libs-5.6.22-2.el6.x86\_64

---> Package mysql-community-server.x86\_64 0:5.6.22-2.el6 will be installed

--> Processing Dependency: mysql-community-client(x86-64) = 5.6.22-2.el6 for package: mysql-community-server-5.6.22-2.el6.x86\_64

--> Processing Dependency: perl(DBI) for package: mysql-community-server-5.6.22-2.el6.x86\_64

---> Package mysql-connector-python.noarch 0:2.0.2-1.el6 will be installed

---> Package mysql-libs.x86\_64 0:5.1.73-3.el6\_5 will be obsoleted

--> Processing Dependency: libmysqlclient.so.16()(64bit) for package: 2:postfix-2.6.6-6.el6\_5.x86\_64

--> Processing Dependency: libmysqlclient.so.16(libmysqlclient\_16)(64bit) for package: 2:postfix-2.6.6-6.el6\_5.x86\_64

---> Package mysql-utilities.noarch 0:1.5.3-1.el6 will be installed

---> Package mysql-workbench-community.x86\_64 0:6.2.4-1.el6 will be installed

--> Processing Dependency: python-paramiko for package: mysql-workbench-community-6.2.4-1.el6.x86\_64

--> Processing Dependency: proj for package: mysql-workbench-community-6.2.4-1.el6.x86\_64

---> Package tinyxml.x86\_64 0:2.6.1-1.el6 will be installed

--> Running transaction check

---> Package mysql-community-client.x86\_64 0:5.6.22-2.el6 will be installed

---> Package mysql-community-common.x86\_64 0:5.6.22-2.el6 will be installed

---> Package mysql-community-libs-compat.x86\_64 0:5.6.22-2.el6 will be obsoleting

---> Package perl-DBI.x86\_64 0:1.609-4.el6 will be installed

---> Package proj.x86\_64 0:4.7.0-1.el6 will be installed

---> Package python-paramiko.noarch 0:1.7.5-2.1.el6 will be installed

--> Processing Dependency: python-crypto >= 1.9 for package: python-paramiko-1.7.5-2.1.el6.noarch

--> Running transaction check

---> Package python-crypto.x86\_64 0:2.0.1-22.el6 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

===================================================================================

Package Arch Version Repository Size

===================================================================================

Installing:

libzip x86\_64 0.9-3.1.el6 base 38 k

mysql-community-devel x86\_64 5.6.22-2.el6 mysql56-community 3.3 M

mysql-community-libs x86\_64 5.6.22-2.el6 mysql56-community 1.9 M

replacing mysql-libs.x86\_64 5.1.73-3.el6\_5

mysql-community-libs-compat x86\_64 5.6.22-2.el6 mysql56-community 1.6 M

replacing mysql-libs.x86\_64 5.1.73-3.el6\_5

mysql-community-server x86\_64 5.6.22-2.el6 mysql56-community 53 M

mysql-connector-python noarch 2.0.2-1.el6 mysql-connectors-community 215 k

mysql-utilities noarch 1.5.3-1.el6 mysql-tools-community 1.0 M

mysql-workbench-community x86\_64 6.2.4-1.el6 mysql-tools-community 18 M

tinyxml x86\_64 2.6.1-1.el6 epel 47 k

Installing for dependencies:

mysql-community-client x86\_64 5.6.22-2.el6 mysql56-community 18 M

mysql-community-common x86\_64 5.6.22-2.el6 mysql56-community 306 k

perl-DBI x86\_64 1.609-4.el6 base 705 k

proj x86\_64 4.7.0-1.el6 epel 158 k

python-crypto x86\_64 2.0.1-22.el6 base 159 k

python-paramiko noarch 1.7.5-2.1.el6 base 728 k

Transaction Summary

===================================================================================

Install 15 Package(s)

Total download size: 98 M

Is this ok [y/N]: **y**

Downloading Packages:

(1/15): libzip-0.9-3.1.el6.x86\_64.rpm | 38 kB 00:00

(2/15): mysql-community-client-5.6.22-2.el6.x86\_64.rpm | 18 MB 00:11

(3/15): mysql-community-common-5.6.22-2.el6.x86\_64.rpm | 306 kB 00:00

(4/15): mysql-community-devel-5.6.22-2.el6.x86\_64.rpm | 3.3 MB 00:03

(5/15): mysql-community-libs-5.6.22-2.el6.x86\_64.rpm | 1.9 MB 00:01

(6/15): mysql-community-libs-compat-5.6.22-2.el6.x86\_64.rpm | 1.6 MB 00:00

(7/15): mysql-community-server-5.6.22-2.el6.x86\_64.rpm | 53 MB 00:30

(8/15): mysql-connector-python-2.0.2-1.el6.noarch.rpm | 215 kB 00:00

(9/15): mysql-utilities-1.5.3-1.el6.noarch.rpm | 1.0 MB 00:00

(10/15): mysql-workbench-community-6.2.4-1.el6.x86\_64.rpm | 18 MB 00:13

(11/15): perl-DBI-1.609-4.el6.x86\_64.rpm | 705 kB 00:00

(12/15): proj-4.7.0-1.el6.x86\_64.rpm | 158 kB 00:00

(13/15): python-crypto-2.0.1-22.el6.x86\_64.rpm | 159 kB 00:00

(14/15): python-paramiko-1.7.5-2.1.el6.noarch.rpm | 728 kB 00:00

(15/15): tinyxml-2.6.1-1.el6.x86\_64.rpm | 47 kB 00:00

-----------------------------------------------------------------------------------

Total 1.5 MB/s | 98 MB 01:03

warning: rpmts\_HdrFromFdno: V3 DSA/SHA1 Signature, key ID 5072e1f5: NOKEY

Retrieving key from file:/etc/pki/rpm-gpg/RPM-GPG-KEY-mysql

Importing GPG key 0x5072E1F5:

Userid : MySQL Release Engineering <mysql-build@oss.oracle.com>

Package: mysql-community-release-el6-5.noarch (@/mysql-community-release-el6-5.noarch)

From : file:/etc/pki/rpm-gpg/RPM-GPG-KEY-mysql

Is this ok [y/N]: **y**

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : mysql-community-common-5.6.22-2.el6.x86\_64 1/16

Installing : mysql-community-libs-5.6.22-2.el6.x86\_64 2/16

Installing : mysql-community-client-5.6.22-2.el6.x86\_64 3/16

Installing : python-crypto-2.0.1-22.el6.x86\_64 4/16

Installing : python-paramiko-1.7.5-2.1.el6.noarch 5/16

Installing : perl-DBI-1.609-4.el6.x86\_64 6/16

Installing : proj-4.7.0-1.el6.x86\_64 7/16

Installing : mysql-connector-python-2.0.2-1.el6.noarch 8/16

Installing : mysql-utilities-1.5.3-1.el6.noarch 9/16

Installing : mysql-workbench-community-6.2.4-1.el6.x86\_64 10/16

Installing : mysql-community-server-5.6.22-2.el6.x86\_64 11/16

Installing : mysql-community-libs-compat-5.6.22-2.el6.x86\_64 12/16

Installing : mysql-community-devel-5.6.22-2.el6.x86\_64 13/16

Installing : tinyxml-2.6.1-1.el6.x86\_64 14/16

Installing : libzip-0.9-3.1.el6.x86\_64 15/16

Erasing : mysql-libs-5.1.73-3.el6\_5.x86\_64 16/16

Verifying : mysql-community-server-5.6.22-2.el6.x86\_64 1/16

Verifying : mysql-workbench-community-6.2.4-1.el6.x86\_64 2/16

Verifying : mysql-community-libs-compat-5.6.22-2.el6.x86\_64 3/16

Verifying : mysql-connector-python-2.0.2-1.el6.noarch 4/16

Verifying : proj-4.7.0-1.el6.x86\_64 5/16

Verifying : mysql-community-client-5.6.22-2.el6.x86\_64 6/16

Verifying : mysql-utilities-1.5.3-1.el6.noarch 7/16

Verifying : perl-DBI-1.609-4.el6.x86\_64 8/16

Verifying : libzip-0.9-3.1.el6.x86\_64 9/16

Verifying : tinyxml-2.6.1-1.el6.x86\_64 10/16

Verifying : mysql-community-common-5.6.22-2.el6.x86\_64 11/16

Verifying : python-crypto-2.0.1-22.el6.x86\_64 12/16

Verifying : python-paramiko-1.7.5-2.1.el6.noarch 13/16

Verifying : mysql-community-devel-5.6.22-2.el6.x86\_64 14/16

Verifying : mysql-community-libs-5.6.22-2.el6.x86\_64 15/16

Verifying : mysql-libs-5.1.73-3.el6\_5.x86\_64 16/16

Installed:

libzip.x86\_64 0:0.9-3.1.el6

mysql-community-devel.x86\_64 0:5.6.22-2.el6

mysql-community-libs.x86\_64 0:5.6.22-2.el6

mysql-community-libs-compat.x86\_64 0:5.6.22-2.el6

mysql-community-server.x86\_64 0:5.6.22-2.el6

mysql-connector-python.noarch 0:2.0.2-1.el6

mysql-utilities.noarch 0:1.5.3-1.el6

mysql-workbench-community.x86\_64 0:6.2.4-1.el6

tinyxml.x86\_64 0:2.6.1-1.el6

Dependency Installed:

mysql-community-client.x86\_64 0:5.6.22-2.el6

mysql-community-common.x86\_64 0:5.6.22-2.el6

perl-DBI.x86\_64 0:1.609-4.el6

proj.x86\_64 0:4.7.0-1.el6

python-crypto.x86\_64 0:2.0.1-22.el6

python-paramiko.noarch 0:1.7.5-2.1.el6

Replaced:

mysql-libs.x86\_64 0:5.1.73-3.el6\_5

Complete!

# Starting MySQL Server for the first time

**[795 efg localhost 2014-12-11 15:41:01 /home/efg/Software/mysql]**

**sudo service mysqld start**

Initializing MySQL database: 2014-12-11 15:42:45 0 [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit\_defaults\_for\_timestamp server option (see documentation for more details).

2014-12-11 15:42:45 3064 [Note] InnoDB: Using atomics to ref count buffer pool pages

2014-12-11 15:42:45 3064 [Note] InnoDB: The InnoDB memory heap is disabled

2014-12-11 15:42:45 3064 [Note] InnoDB: Mutexes and rw\_locks use GCC atomic builtins

2014-12-11 15:42:45 3064 [Note] InnoDB: Memory barrier is not used

2014-12-11 15:42:45 3064 [Note] InnoDB: Compressed tables use zlib 1.2.3

2014-12-11 15:42:45 3064 [Note] InnoDB: Using Linux native AIO

2014-12-11 15:42:45 3064 [Note] InnoDB: Using CPU crc32 instructions

2014-12-11 15:42:45 3064 [Note] InnoDB: Initializing buffer pool, size = 128.0M

2014-12-11 15:42:45 3064 [Note] InnoDB: Completed initialization of buffer pool

2014-12-11 15:42:45 3064 [Note] InnoDB: The first specified data file ./ibdata1 did not exist: a new database to be created!

2014-12-11 15:42:45 3064 [Note] InnoDB: Setting file ./ibdata1 size to 12 MB

2014-12-11 15:42:45 3064 [Note] InnoDB: Database physically writes the file full: wait...

2014-12-11 15:42:45 3064 [Note] InnoDB: Setting log file ./ib\_logfile101 size to 48 MB

2014-12-11 15:42:45 3064 [Note] InnoDB: Setting log file ./ib\_logfile1 size to 48 MB

2014-12-11 15:42:45 3064 [Note] InnoDB: Renaming log file ./ib\_logfile101 to ./ib\_logfile0

2014-12-11 15:42:45 3064 [Warning] InnoDB: New log files created, LSN=45781

2014-12-11 15:42:45 3064 [Note] InnoDB: Doublewrite buffer not found: creating new

2014-12-11 15:42:45 3064 [Note] InnoDB: Doublewrite buffer created

2014-12-11 15:42:45 3064 [Note] InnoDB: 128 rollback segment(s) are active.

2014-12-11 15:42:45 3064 [Warning] InnoDB: Creating foreign key constraint system tables.

2014-12-11 15:42:45 3064 [Note] InnoDB: Foreign key constraint system tables created

2014-12-11 15:42:45 3064 [Note] InnoDB: Creating tablespace and datafile system tables.

2014-12-11 15:42:45 3064 [Note] InnoDB: Tablespace and datafile system tables created.

2014-12-11 15:42:45 3064 [Note] InnoDB: Waiting for purge to start

2014-12-11 15:42:45 3064 [Note] InnoDB: 5.6.22 started; log sequence number 0

2014-12-11 15:42:45 3064 [Note] Binlog end

2014-12-11 15:42:45 3064 [Note] InnoDB: FTS optimize thread exiting.

2014-12-11 15:42:45 3064 [Note] InnoDB: Starting shutdown...

2014-12-11 15:42:47 3064 [Note] InnoDB: Shutdown completed; log sequence number 1625977

2014-12-11 15:42:47 0 [Warning] TIMESTAMP with implicit DEFAULT value is deprecated. Please use --explicit\_defaults\_for\_timestamp server option (see documentation for more details).

2014-12-11 15:42:47 3087 [Note] InnoDB: Using atomics to ref count buffer pool pages

2014-12-11 15:42:47 3087 [Note] InnoDB: The InnoDB memory heap is disabled

2014-12-11 15:42:47 3087 [Note] InnoDB: Mutexes and rw\_locks use GCC atomic builtins

2014-12-11 15:42:47 3087 [Note] InnoDB: Memory barrier is not used

2014-12-11 15:42:47 3087 [Note] InnoDB: Compressed tables use zlib 1.2.3

2014-12-11 15:42:47 3087 [Note] InnoDB: Using Linux native AIO

2014-12-11 15:42:47 3087 [Note] InnoDB: Using CPU crc32 instructions

2014-12-11 15:42:47 3087 [Note] InnoDB: Initializing buffer pool, size = 128.0M

2014-12-11 15:42:47 3087 [Note] InnoDB: Completed initialization of buffer pool

2014-12-11 15:42:47 3087 [Note] InnoDB: Highest supported file format is Barracuda.

2014-12-11 15:42:47 3087 [Note] InnoDB: 128 rollback segment(s) are active.

2014-12-11 15:42:47 3087 [Note] InnoDB: Waiting for purge to start

2014-12-11 15:42:47 3087 [Note] InnoDB: 5.6.22 started; log sequence number 1625977

2014-12-11 15:42:47 3087 [Note] Binlog end

2014-12-11 15:42:47 3087 [Note] InnoDB: FTS optimize thread exiting.

2014-12-11 15:42:47 3087 [Note] InnoDB: Starting shutdown...

2014-12-11 15:42:49 3087 [Note] InnoDB: Shutdown completed; log sequence number 1625987

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !

To do so, start the server, then issue the following commands:

/usr/bin/mysqladmin -u root password 'new-password'

/usr/bin/mysqladmin -u root -h localhost.localdomain password 'new-password'

Alternatively you can run:

/usr/bin/mysql\_secure\_installation

which will also give you the option of removing the test

databases and anonymous user created by default. This is

strongly recommended for production servers.

See the manual for more instructions.

Please report any problems at http://bugs.mysql.com/

The latest information about MySQL is available on the web at

http://www.mysql.com

Support MySQL by buying support/licenses at http://shop.mysql.com

Note: new default config file not created.

Please make sure your config file is current

WARNING: Default config file /etc/my.cnf exists on the system

This file will be read by default by the MySQL server

If you do not want to use this, either remove it, or use the

--defaults-file argument to mysqld\_safe when starting the server

[ OK ]

Starting mysqld: [ OK ]

# MySQL Secure Installation

**[796 efg localhost 2014-12-11 15:42:51 /home/efg/Software/mysql]**

**sudo /usr/bin/mysql\_secure\_installation**

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MySQL

SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MySQL to secure it, we'll need the current

password for the root user. If you've just installed MySQL, and

you haven't set the root password yet, the password will be blank,

so you should just press enter here.

Enter current password for root (enter for none):

OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MySQL

root user without the proper authorisation.

Set root password? [Y/n] **Y**

New password: **XXXXXXXX**

Re-enter new password: XXXXXXXX

Password updated successfully!

Reloading privilege tables..

... Success!

By default, a MySQL installation has an anonymous user, allowing anyone

to log into MySQL without having to have a user account created for

them. This is intended only for testing, and to make the installation

go a bit smoother. You should remove them before moving into a

production environment.

Remove anonymous users? [Y/n] **Y**

... Success!

Normally, root should only be allowed to connect from 'localhost'. This

ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] **Y**

... Success!

By default, MySQL comes with a database named 'test' that anyone can

access. This is also intended only for testing, and should be removed

before moving into a production environment.

Remove test database and access to it? [Y/n] **n**

... skipping.

Reloading the privilege tables will ensure that all changes made so far

will take effect immediately.

Reload privilege tables now? [Y/n] **Y**

... Success!

All done! If you've completed all of the above steps, your MySQL

installation should now be secure.

Thanks for using MySQL!

Cleaning up...

**[797 efg localhost 2014-12-11 15:45:54 /home/efg/Software/mysql]**

**sudo service mysqld restart**

Stopping mysqld: [ OK ]

Starting mysqld: [ OK ]

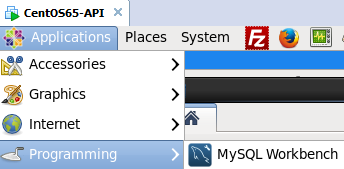
# MySQL Workbench

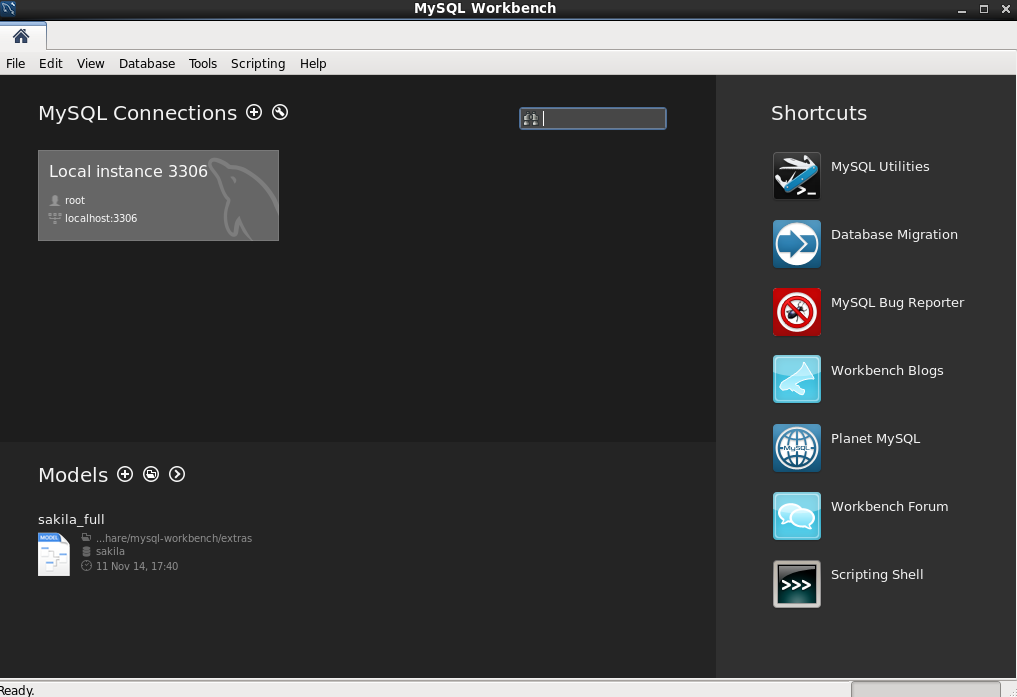
**[785 efg localhost 2014-12-11 14:03:52 /home/efg]**

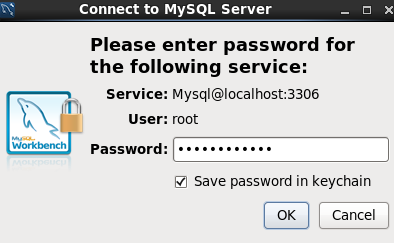
**mysql-workbench &**

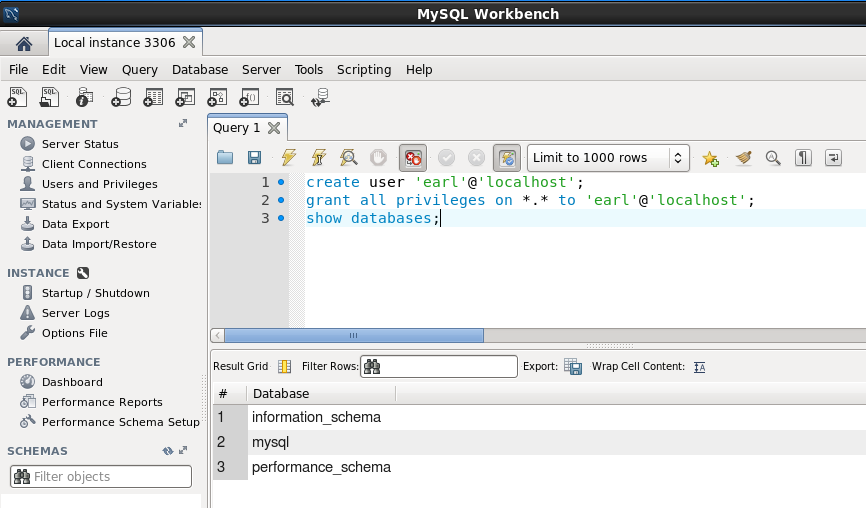
OR

Applications | Programming | MySQL Workbench









create user 'earl'@'localhost'; <Ctrl><<Enter>

grant all privileges on \*.\* to 'earl'@'localhost'; <Ctrl><<Enter>

show databases; <Ctrl><Enter>

# Updating MySQL

<http://dev.mysql.com/doc/mysql-repo-excerpt/5.6/en/updating-yum-repo.html>

# Installing MySQL in Virtual Environment

NOTE:

MySQL should be installed before django in virtual environment.

Plan:

workon DjangoEnv

pip uninstall django

pip install mysql-python

pip install django

(DjangoEnv)

**[675 efg chidata 2015-01-09 14:06:42 /home/efg]**

pip install --upgrade pip

You are using pip version 6.0.2, however version 6.0.6 is available.

You should consider upgrading via the 'pip install --upgrade pip' command.

(DjangoEnv)

**[676 efg chidata 2015-01-09 14:06:49 /home/efg]**

pip uninstall django

(DjangoEnv)

**[677 efg chidata 2015-01-09 14:07:29 /home/efg]**

pip install mysql-python

Collecting mysql-python

Downloading MySQL-python-1.2.5.zip (108kB)

100% |################################| 110kB 2.7MB/s

Installing collected packages: mysql-python

Running setup.py install for mysql-python

building '\_mysql' extension

gcc -pthread -fno-strict-aliasing -g -O2 -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -fPIC -Dversion\_info=(1,2,5,'final',1) -D\_\_version\_\_=1.2.5 -I/usr/include/mysql -I/opt/python/python278/include/python2.7 -c \_mysql.c -o build/temp.linux-x86\_64-2.7/\_mysql.o -g -pipe -Wp,-D\_FORTIFY\_SOURCE=2 -fexceptions -fstack-protector --param=ssp-buffer-size=4 -m64 -fPIC -g -fabi-version=2 -fno-omit-frame-pointer -fno-strict-aliasing -DMY\_PTHREAD\_FASTMUTEX=1

In file included from /usr/include/mysql/my\_config.h:27,

from \_mysql.c:44:

/usr/include/mysql/my\_config\_x86\_64.h:442:1: warning: "HAVE\_WCSCOLL" redefined

In file included from /opt/python/python278/include/python2.7/Python.h:8,

from \_mysql.c:29:

/opt/python/python278/include/python2.7/pyconfig.h:911:1: warning: this is the location of the previous definition

gcc -pthread -shared build/temp.linux-x86\_64-2.7/\_mysql.o -L/usr/lib64/mysql -L/opt/python/python278/lib -lmysqlclient -lpthread -lm -lrt -ldl -lpython2.7 -o build/lib.linux-x86\_64-2.7/\_mysql.so

Successfully installed mysql-python-1.2.5

(DjangoEnv)

**[678 efg chidata 2015-01-09 14:10:02 /home/efg]**

pip install django

Collecting django

Downloading Django-1.7.2-py2.py3-none-any.whl (7.4MB)

100% |################################| 7.4MB 724kB/s

Installing collected packages: django

Successfully installed django-1.7.2

(DjangoEnv)

**[679 efg chidata 2015-01-09 14:10:52 /home/efg]**

python

Python 2.7.8 (default, Dec 22 2014, 12:48:35)

[GCC 4.4.7 20120313 (Red Hat 4.4.7-11)] on linux2

Type "help", "copyright", "credits" or "license" for more information.

>>> import mysql

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

ImportError: No module named mysql

*Why doesn't this work in virtual environment but works fine outside virtual environments?*