# Mysql

*Installation du code source mysql:
 => mysql-8.0.36.tar.gz


$cd Documents/
$ls
$tar zxvf -j2 mysql-8.0.36.tar.gz      //decompression et desarchivage
$cd mysql-8.0.36/
$./configure                              //la configuration de mysql
=>./bash : ./Aucun fichier ou dossier de ce type

$mkdir build                          // on crée d'abord le dossier build pour pourvoir executer la cmd make
$cd build                            //on entre dans le dossier
$cmake ..
=> cannot find pkg-config , you need to install pkg-config
#apt-get install pkg-config          //installation du pkg-config
$cmake  *home*/mit/Documents/mysql-8.0.36          //revenir sur cette commande
=>could not find system openssl

**openssl est une premiere dépendance de mysql :**
*Installation du dependance openssl :
   =>openssl-3.3.0.tar.gz
$cd Documents/
$tar -zxf openssl-3.3.0.tar.gz            //decompression et desarchive du code source
$cd openssl-3.3.0/
$./configure                           //la configuration de openssl
$make                               //verification du code source uniquement
$sudo su
#make install                        //verification terminé

$cmake  *home*/mit/Documents/mysql-8.0.36
=>error:please install the appropriate openssl developper package

**libssl est une deuxieme dependance de mysql** :
*Installation du dependance libssl :
 $sudo su
 #apt-get install libss-dev
 $su mit

 $cmake  *home*/mit/Documents/mysql-8.0.36
 =>could not find Curses

**curses est une troisième dependance de mysql :**
*Installation du dependance curses :
   =>ncurses-6.4.tar.gz


$cd Documents/
$tar -zxf ncurses-6.4.tar.gz

```
$cd ncurses-6.4/
$./configure
$make
$sudo su
#sudo make install              //installation terminé

$cmake home/mit/Documents/mysql-8.0.36
 =>cmake reussie

on procède maintenant au commande make
$make                           //compilation de la source
$sudo su
#make install                   //installation terminé
schema mysql:
```

```
-- Installing: /usr/local/mysql/lib/mysqlrouter/routing.so
-- Set runtime path of "/usr/local/mysql/lib/mysqlrouter/routing.so" to "$ORIGIN/private:$ORIGIN/:$ORIGIN/../lib/mysqlrouter/private/"
-- Installing: /usr/local/mysql/man/man1/comp_err.1
-- Installing: /usr/local/mysql/man/man1/ibd2sdi.1
-- Installing: /usr/local/mysql/man/man1/innochecksum.1
-- Installing: /usr/local/mysql/man/man1/lz4_decompress.1
-- Installing: /usr/local/mysql/man/man1/my_print_defaults.1
-- Installing: /usr/local/mysql/man/man1/myisam_ftdump.1
-- Installing: /usr/local/mysql/man/man1/myisamchk.1
-- Installing: /usr/local/mysql/man/man1/myisamlog.1
-- Installing: /usr/local/mysql/man/man1/myisampack.1
-- Installing: /usr/local/mysql/man/man1/mysql.1
-- Installing: /usr/local/mysql/man/man1/mysql_config.1
-- Installing: /usr/local/mysql/man/man1/mysql_config_editor.1
-- Installing: /usr/local/mysql/man/man1/mysql_secure_installation.1
-- Installing: /usr/local/mysql/man/man1/mysql_ssl_rsa_setup.1
-- Installing: /usr/local/mysql/man/man1/mysql_tzinfo_to_sql.1
-- Installing: /usr/local/mysql/man/man1/mysql_upgrade.1
-- Installing: /usr/local/mysql/man/man1/mysqladmin.1
-- Installing: /usr/local/mysql/man/man1/mysqlbinlog.1
-- Installing: /usr/local/mysql/man/man1/mysqlcheck.1
-- Installing: /usr/local/mysql/man/man1/mysqldump.1
-- Installing: /usr/local/mysql/man/man1/mysqldumpslow.1
-- Installing: /usr/local/mysql/man/man1/mysqlimport.1
-- Installing: /usr/local/mysql/man/man1/mysqlman.1
-- Installing: /usr/local/mysql/man/man1/mysqlpump.1
-- Installing: /usr/local/mysql/man/man1/mysqlshow.1
-- Installing: /usr/local/mysql/man/man1/mysqlslap.1
-- Installing: /usr/local/mysql/man/man1/perror.1
-- Installing: /usr/local/mysql/man/man1/zlib_decompress.1
-- Installing: /usr/local/mysql/man/man1/mysql.server.1
-- Installing: /usr/local/mysql/man/man1/mysqld_multi.1
-- Installing: /usr/local/mysql/man/man1/mysqld_safe.1
-- Installing: /usr/local/mysql/man/man8/mysqld.8
-- Installing: /usr/local/mysql/man/man1/mysqlrouter.1
-- Installing: /usr/local/mysql/man/man1/mysqlrouter_passwd.1
-- Installing: /usr/local/mysql/man/man1/mysqlrouter_plugin_info.1
```

# APACHE

*Installation du code source apache:
=>httpd-2.4.59.tar.bz2

*Installation des dependance du code source:
=>apr-1.7.4.tar.gz
=>apr-util-1.6.3.tar.gz
=>pcre-8.00.tar.bz2


 .dependance apr-1.7.4.tar.gz:
$cd Documents                   //l'endroit ou se trouve le fichier
$tar -zxf apr-1.7.4.tar.gz        //decompression et desarchive
$cd apr-1.7.4/
$./configure                     //la configuration du dependance apr
$make
#make install                   //pour placer l'executable dans /usr/bin


.dependance apr-util-1.6.3.tar.gz :
$cd Documents
$tar -zxf  apr-util-1.6.3.tar.gz
$cd apr-util-1.6.3/
$./configure
$make
$sudo su
#make install


.dependance pcre-8.00.tar.bz2 :
$cd Documents
$tar -jxf pcre-8.00.tar.bz2
$cd pcre-8.00/
$./configure
$sudo su
$make
#make install


*Installation du serveur apache a partir du code source et des dependances :
$cd Documents
$tar-jxf httpd-2.4.59.tar.bz2
$cd httpd-2.4.59/
$./configure
$make   //erreur
§verification des dependances :
      =>more README
§affichage des dependances :
   apt-cache depends


$./configure              //on revient sur ./configure
$make                //compilation de la soucre uniquement
$sudo make install       //installation reussie

schema apache:



# PHP

*Installation du code source php:
  =>php-src-master(1).zip

*Installation des dependances du code source :
  =>sudo apt-get install libxml2-dev
  =>sudo apt-get install sqlite3-dev

*dezziper:
  =>$cd Documents  unzip php-src-master(1).zip
  =>$cd php-src-master/

*Configuration :
  $./configure                    //erreur
  $./buildconf               //on execute d'abord cette commande et apres
  $./configure

*Build php
  $make
  $make test             //verification du fonctionnement du make(negligeable)

*Installation du php :
  #make install          //installation reussie

*Verification:
  $php -v

schema php: