

# COMMANDE INSTALLATION DES PAQUETS A PARTIR DES CODES SOURCES

## 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 pouvoir 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 developer 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/../../../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/mysam_ftdump.1  
-- Installing: /usr/local/mysql/man/man1/mysamchk.1  
-- Installing: /usr/local/mysql/man/man1/mysamlog.1  
-- Installing: /usr/local/mysql/man/man1/mysampack.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/mysqldadmin.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/mysqslap.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
$aaffichage des dependances :
apt-cache depends
```

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

schema apache:

```
Installing configuration files
mkdir /usr/local/apache2/conf
mkdir /usr/local/apache2/conf/extra
mkdir /usr/local/apache2/conf/original
mkdir /usr/local/apache2/conf/original/extra
Installing HTML documents
mkdir /usr/local/apache2/htdocs
Installing error documents
mkdir /usr/local/apache2/error
Installing icons
mkdir /usr/local/apache2/icons
mkdir /usr/local/apache2/logs
Installing CGIs
mkdir /usr/local/apache2/cgi-bin
Installing header files
mkdir /usr/local/apache2/include
Installing build system files
mkdir /usr/local/apache2/build
Installing man pages and online manual
mkdir /usr/local/apache2/man
mkdir /usr/local/apache2/man/man1
mkdir /usr/local/apache2/man/man8
mkdir /usr/local/apache2/manual
make[1] : on quitte le répertoire « /home/mit/Documents/httpd-2.4.59 »
```

## 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

\*dezipper:

=>\$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:

```
Activités Terminal Apr 23 22:22
elia@elia-Lenovo-K4450: ~/Documents/php-src-master

compact_literals.o Zend/Optimizer/zend_cfg.o Zend/Optimizer/zend_dfg.o Zend/Optimizer/dfa_pass.o Zend/Optimizer/zend_ssa.o Zend/Optimizer/zend_inferen
ce.o Zend/Optimizer/zend_func_info.o Zend/Optimizer/zend_call_graph.o Zend/Optimizer/sccp.o Zend/Optimizer/scdf.o Zend/Optimizer/dce.o Zend/Optimizer/
escape_analysis.o Zend/Optimizer/compact_vars.o Zend/Optimizer/zend_dump.o main/internal_functions_cli.o main/fastcgi.o sapi/cgi/cgi_main.o -lresolv -
lutil -lm -ldl -lxml2 -lsqlite3 -lxml2 -lsqlite3 -lxml2 -lxml2 -lxml2 -lxml2 -lrt -o sapi/cgi/php-cgi
Generating phar.php
Generating phar.php
PEAR package PHP_Archive not installed: generated phar will require PHP's phar extension be enabled.
invertedregexterator.inc
directorytreeiterator.inc
pharcommand.inc
phar.inc
directorygraphiterator.inc
clicommand.inc

Build complete.
Don't forget to run 'make test'.

elia@elia-Lenovo-K4450:~/Documents/php-src-master$ sudo make install
Installing shared extensions: /usr/local/lib/php/extensions/no-debug-non-zts-20230901/
Installing PHP CLI binary: /usr/local/bin/
Installing PHP CLI man page: /usr/local/php/man/man1/
Installing phpdbg binary: /usr/local/bin/
Installing phpdbg man page: /usr/local/php/man/man1/
Installing PHP CGI binary: /usr/local/bin/
Installing PHP CGI man page: /usr/local/php/man/man1/
Installing build environment: /usr/local/lib/php/build/
Installing header files: /usr/local/include/php/
Installing helper programs: /usr/local/bin/
    program: phpize
    program: php-config
Installing man pages: /usr/local/php/man/man1/
    page: phptize.1
    page: php-config.1
elia@elia-Lenovo-K4450:~/Documents/php-src-master$ php -v
PHP 8.4.0-dev (cli) (built: Apr 23 2024 22:20:21) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.4.0-dev, Copyright (c) Zend Technologies
elia@elia-Lenovo-K4450:~/Documents/php-src-master$
```