

INSTALLATIONS DES PAQUETS SOURCES

MySQL : mysql-8.3.0.tar.gz

Etape I : Décompression et Désarchivation

1): ~\$ cd_Documents/

2): ~/Documents\$ ls

```
mathieu@mathieu-001:~/Documents$ ls
07-Mar-2024  28mars2024  httpd-2.4.59.tar.bz2  's
21_03_24    autre             mysql-8.3.0.tar.gz
mathieu@mathieu-001:~/Documents$
```

3): ~/Documents\$ tar_-zxvf_mysql-8.3.0.tar.gz

4): ~/Documents\$ ls

```
mathieu@mathieu-001:~/Documents$ ls
07-Mar-2024  28mars2024  httpd-2.4.59.tar.bz2
21_03_24     autre       mysql-8.3.0
mathieu@mathieu-001:~/Documents$
```

5): ~/Documents\$ cd_mysql-8.3.0/

Etape 2: Paramétrage par cmake ..

1) création du répertoire build:

a): ~/Documents/mysql-8.3.0\$ mkdir_build

b): ~/Documents/mysql-8.3.0\$ cd_build

c): ~/Documents/mysql-8.3.0/build\$ cmake_..

c1) cmake demande d'installer boost

```

21_03_24      autre      mysql-8.3.0
mathieu@mathieu-001:~/Documents$ ls
07-Mar-2024    autre
21_03_24      boost_1_77_0
28mars2024    boost_1_77_0.tar.bz2

```

c2):~/Documents/mysql-8.3.0/build\$ cd ..

c3):~/Documents\$ tar -jxvf boost_1_77_0.tar.bz2

c4):~/Documents\$ cd boost_1_77_0/

c5):~/Documents/boost_1_77_0\$./bootstrap.sh

c6):~/Documents/boost_1_77_0\$./b2

c7):~/Documents/boost_1_77_0\$./b2 install

d):~/Documents/mysql-8.3.0/build\$ cmake ..

cmake demande d'installer libssl et openssl

d1):~/Documents/mysql-8.3.0/build\$ sudo apt install libssl-dev

d2):~/Documents/mysql-8.3.0/build\$ sudo apt install openssl

e):~/Documents/mysql-8.3.0/build\$ cmake ..

```

-- CMAKE_MODULE_LINKER_FLAGS -Wl,-Bsymbolic-functions -flto=auto -ffat-lto-objects -Wl,-z,r
elro
-- CMAKE_SHARED_LINKER_FLAGS -Wl,-Bsymbolic-functions -flto=auto -ffat-lto-objects -Wl,-z,r
elro
-- Configuring done (2.5s)
-- Generating done (5.4s)
-- Build files have been written to: /home/mathieu/mysql-8.3.0/build
mathieu@mathieu-001:~/mysql-8.3.0/build$

```

Etape 3: compilation par la commande \$make

=> :~/Documents/mysql-8.3.0/build\$ sudo make

```

make[4]: rien à faire pour « local-shared-build ».
make[4]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd
-2.4.59/modules/mappers »
make[3]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd
-2.4.59/modules/mappers »
make[2]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd
-2.4.59/modules »
make[2]: on entre dans le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/h
ttpd-2.4.59/support »
make[2]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd
-2.4.59/support »
Installing configuration files
[PRESERVING EXISTING HTDOCS SUBDIR: /usr/local/htdocs]
[PRESERVING EXISTING ERROR SUBDIR: /usr/local/error]
[PRESERVING EXISTING ICONS SUBDIR: /usr/local/icons]
[PRESERVING EXISTING CGI SUBDIR: /usr/local/cgi-bin]
Installing header files
Installing build system files
Installing man pages and online manual
make[1]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd
-2.4.59 »

```

Etape 4: installation par la commande \$make install
=>:~/Documents/mysql-8.3.0/build\$ sudo make install

Apache: httpd-2.4.59.tar.bz2

```
mathieu@mathieu-001:~/Documents$ ls
07-Mar-2024  28mars2024  httpd-2.4.59.tar.bz2  's
21_03_24    autre             mysql-8.3.0.tar.gz
mathieu@mathieu-001:~/Documents$
```

1ère Etape: Décompression et Désarchivation de httpd-2.4.59.tar.bz2

=>:~/Documents\$tar -jxvf httpd-2.4.59.tar.bz2

=>:~/Documents\$cd httpd-2.4.59/

2ème Etape: paramétrage par la commande ./configure

=>:~/Documents/httpd-2.4.59\$./configure --prefix=/usr/local

=>./configure demande l'installation de APR et APR-util
-installation de APR:

=>\$sudo apt-get install libapr1 libapr1-dev

-installation de APR-util:

=>\$sudo apt-get install libaprutil1 libaprutil1-dev

=>:~/Documents/httpd-2.4.59\$./configure--prefix=/usr/local

```
Server Version: 2.4.59
Install prefix: /usr/local
C compiler:      x86_64-linux-gnu-gcc
CFLAGS:
CPPFLAGS:        -DLINUX -D_REENTRANT -D_GNU_SOURCE
LDFLAGS:
LIBS:
C preprocessor:  x86_64-linux-gnu-gcc -E
```

3ème Etape:

=> :~/Documents/httpd-2.4.59\$ sudo make

```
make[2]: on entre dans le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59/support »
make[2]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59/support »
make[1]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59 »
mathieu@mathieu-001:~/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59$
```

4ème Etape:

=> :~/Documents/httpd-2.4.59\$ sudo make install

```
Installing configuration files
[PRESERVING EXISTING HTDOCS SUBDIR: /usr/local/htdocs]
[PRESERVING EXISTING ERROR SUBDIR: /usr/local/error]
[PRESERVING EXISTING ICONS SUBDIR: /usr/local/icons]
[PRESERVING EXISTING CGI SUBDIR: /usr/local/cgi-bin]
Installing header files
Installing build system files
Installing man pages and online manual
make[1]: on quitte le répertoire « /home/mathieu/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59 »
mathieu@mathieu-001:~/Téléchargements/INSTALLATION/Devoir/httpd-2.4.59$
```

5ème Etape: Vérification

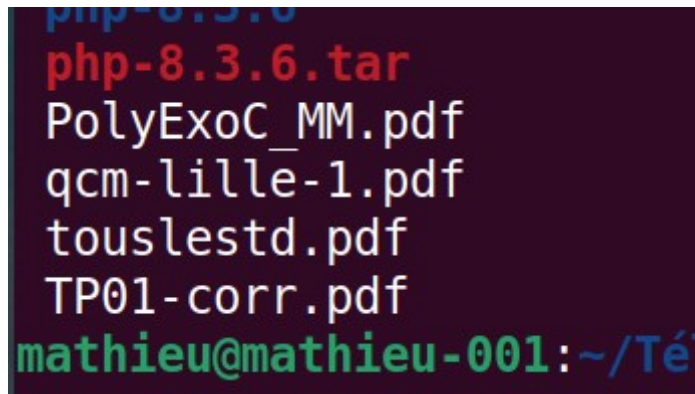
=> \$ httpd -v

```
mathieu@mathieu-001:~$ httpd -v
Server version: Apache/2.4.59 (Unix)
Server built:   Apr 22 2024 16:54:29
```

PHP: php-8.3.6.tar.gz

1ère Etape: Décompression

=>:~/Documents\$ sudo gunzip php-8.3.6.tar.gz

A terminal window with a dark purple background. The text 'php-8.3.6' is at the top in blue. Below it, 'php-8.3.6.tar' is in red. Then, a list of files: 'PolyExoC_MM.pdf', 'qcm-lille-1.pdf', 'touslestd.pdf', and 'TP01-corr.pdf' in white. At the bottom, the prompt 'mathieu@mathieu-001:~/Té' is in green and blue.

```
php-8.3.6
php-8.3.6.tar
PolyExoC_MM.pdf
qcm-lille-1.pdf
touslestd.pdf
TP01-corr.pdf
mathieu@mathieu-001:~/Té
```

2ème Etape: Désarchivation

=>:~/Documents\$ sudo tar -xvf php-8.3.6.tar

=>:~/Documents\$ cd php-8.3.6/

A terminal window with a dark purple background. The text 'php-8.3.6' is in blue at the top. Below it, the prompt 'mathieu@mathieu-001:~/Documents/php-8.3.6\$' is in green and blue.

```
php-8.3.6
mathieu@mathieu-001:~/Documents/php-8.3.6$
```

3ème Etape: compilation

=>:~/Documents/php-8.3.6\$ sudo ./configure

./configure demande l'installation de libxml2 et libxml2-dev :

=>~/Documents/php-8.3.6\$ sudo apt-get install libxml2 libxml2-dev

=>~/Documents/php-8.3.6\$ sudo ./configure

il demande l'installation de sqlite3 et libsqlite3-dev

=>~/Documents/php-8.3.6\$ sudo apt-get install sqlite3 libsqlite3-dev


```
checking for sqlite3 >= 3.7.7... no
configure: error: Package requirements (sqlite3 >= 3.7.7) were not met:

Package 'sqlite3', required by 'virtual:world', not found

Consider adjusting the PKG_CONFIG_PATH environment variable if you
installed software in a non-standard prefix.

Alternatively, you may set the environment variables SQLITE_CFLAGS
and SQLITE_LIBS to avoid the need to call pkg-config.
See the pkg-config man page for more details.
mathieu@mathieu-001:~/Téléchargements/php-8.3.6$
```

=>~/Documents/php-8.3.6\$./configure

```
+-----+
| License:
| This software is subject to the PHP License, available in this
| distribution in the file LICENSE. By continuing this installation
| process, you are bound by the terms of this license agreement.
| If you do not agree with the terms of this license, you must abort
| the installation process at this point.
+-----+
```

Thank you for using PHP.

```
mathieu@mathieu-001:~/Téléchargements/php-8.3.6$
```

4ème Etape: Execution de la commande make :

=> ~/Documents/php-8.3.6\$ sudo make

demande l'exécution de make test

=>~/Documents/php-8.3.6\$sudo make test

```
=====
You may have found a problem in PHP.
This report can be saved and used to open an issue on the bug tracker at
https://github.com/php/php-src/issues
This gives us a better understanding of PHP's behavior.
Do you want to save this report in a file? [Yn]: y
sh: 1: autoconf: not found
Report saved to: /home/mathieu/Téléchargements/php-8.3.6/php_test_results_20240424_1228.txt
make: *** [Makefile:208 : test] Erreur 1
mathieu@mathieu-001:~/Téléchargements/php-8.3.6$ sudo make install
Installing shared extensions: /usr/local/lib/php/extensions/so_dhup.so, etc. 20240424/
```

5ème Etape: Execution de la commande make install :

=>~/Documents/php-8.3.6\$sudo make install

```
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: phpize.1
    page: php-config.1
Installing PDO headers:         /usr/local/include/php/ext/pdo/
```