

ZeroMQ Yükleme Dökümanı

Öncelikle `git` komutunun güncel olduğundan ve `cmake`, `g++`, `gcc` programlarının yüklü olduğundan emin olun. Sonra aşağıdaki adımları yapın:

1. Terminalde “**git clone https://github.com/zeromq/libzmq.git**” komutunu girin ve uygun bir directory’ye dosyaları indirin.
2. İndirilen directory’ye “**cd libzmq/**” ile girin.
3. Girilen directory’de “**mkdir build**” komutu ile build adlı bir dosya açın ve “**cd build**” ile içine girin.
4. “**cmake ..**” yazın ve kurulumu yapmasını bekleyin.
5. “**make**” yazın ve kurulumu yapın.
6. “**sudo make install**” yazın ve kurulumu yapın.
7. “**sudo ldconfig**” yazın ve kurulumu tamamlayın.

Kurulum tamamlandıktan sonra kullanmak istediğiniz `.cpp` koduna **#include <zmq.hpp>** ile include edildikten sonra `spdlog` fonksiyonlarını kullanabilirsiniz. Gerekli komutların ekran görüntüleri aşağıdadır.

```
fatihselimyakar@ubuntu:~/Desktop$ git clone https://github.com/zeromq/libzmq.gitCloning into 'libzmq'...
remote: Enumerating objects: 27, done.
remote: Counting objects: 100% (27/27), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 39619 (delta 9), reused 20 (delta 7), pack-reused 39592
Receiving objects: 100% (39619/39619), 19.87 MiB | 3.92 MiB/s, done.
Resolving deltas: 100% (28898/28898), done.
```

```
fatihselimyakar@ubuntu:~/Desktop$ cd libzmq/
fatihselimyakar@ubuntu:~/Desktop/libzmq$ ls
acinclude.m4  CMakeLists.txt  include          perf          tests
appveyor.yml  configure.ac     INSTALL         README.cygwin.md  tools
AUTHORS       COPYING         installer.ico   README.doxygen.md  unittests
autogen.sh    COPYING.LESSER  Jenkinsfile    README.md       version.sh
branding.bmp  doc             m4             RELICENSE
builds        Dockerfile      Makefile.am    SECURITY.md
ci_build.sh   Doxygen.cfg     NEWS           src
ci_deploy.sh  external        packaging      SupportedPlatforms.md

fatihselimyakar@ubuntu:~/Desktop/libzmq$ mkdir build
fatihselimyakar@ubuntu:~/Desktop/libzmq$ cd build
fatihselimyakar@ubuntu:~/Desktop/libzmq/build$ cmake ..
-- The C compiler identification is GNU 7.4.0
-- The CXX compiler identification is GNU 7.4.0
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
```

```
-- Configuring done
-- Generating done
-- Build files have been written to: /home/fatihselimyakar/Desktop/libzmq/build
fatihselimyakar@ubuntu:~/Desktop/libzmq/build$ make
Scanning dependencies of target objects
[ 1%] Building C object CMakeFiles/objects.dir/src/tweetnacl.c.o
[ 1%] Building C object CMakeFiles/objects.dir/external/sha1/sha1.c.o
[ 1%] Building CXX object CMakeFiles/objects.dir/src/precompiled.cpp.o
[ 1%] Building CXX object CMakeFiles/objects.dir/src/address.cpp.o
[ 2%] Building CXX object CMakeFiles/objects.dir/src/client.cpp.o
[ 2%] Building CXX object CMakeFiles/objects.dir/src/clock.cpp.o
[ 2%] Building CXX object CMakeFiles/objects.dir/src/ctx.cpp.o
[ 2%] Building CXX object CMakeFiles/objects.dir/src/curve_mechanism_base.cpp.o
[ 3%] Building CXX object CMakeFiles/objects.dir/src/curve_client.cpp.o
[ 3%] Building CXX object CMakeFiles/objects.dir/src/curve_server.cpp.o
[ 3%] Building CXX object CMakeFiles/objects.dir/src/dealer.cpp.o
[ 4%] Building CXX object CMakeFiles/objects.dir/src/devpoll.cpp.o
[ 4%] Building CXX object CMakeFiles/objects.dir/src/dgram.cpp.o
[ 4%] Building CXX object CMakeFiles/objects.dir/src/dist.cpp.o
[ 4%] Building CXX object CMakeFiles/objects.dir/src/endpoint.cpp.o
[ 5%] Building CXX object CMakeFiles/objects.dir/src/epoll.cpp.o
[ 5%] Building CXX object CMakeFiles/objects.dir/src/err.cpp.o
[ 5%] Building CXX object CMakeFiles/objects.dir/src/fq.cpp.o
[ 5%] Building CXX object CMakeFiles/objects.dir/src/io_object.cpp.o
[ 6%] Building CXX object CMakeFiles/objects.dir/src/io_thread.cpp.o
[ 6%] Building CXX object CMakeFiles/objects.dir/src/ip.cpp.o
[ 6%] Building CXX object CMakeFiles/objects.dir/src/ipc_address.cpp.o
[ 7%] Building CXX object CMakeFiles/objects.dir/src/ipc_connecter.cpp.o
[ 7%] Building CXX object CMakeFiles/objects.dir/src/ipc_listener.cpp.o
[ 7%] Building CXX object CMakeFiles/objects.dir/src/queue.cpp.o
[ 7%] Building CXX object CMakeFiles/objects.dir/src/lb.cpp.o
[ 8%] Building CXX object CMakeFiles/objects.dir/src/mailbox.cpp.o
```

```
fatihselimyakar@ubuntu:~/Desktop/libzmq/build$ sudo make install
[sudo] password for fatihselimyakar:
[ 30%] Built target objects
[ 30%] Built target libzmq-static
[ 30%] Built target libzmq
[ 31%] Built target inproc_thr
[ 31%] Built target local_thr
[ 32%] Built target remote_lat
[ 33%] Built target local_lat
[ 33%] Built target remote_thr
[ 33%] Built target proxy_thr
[ 33%] Built target inproc_lat
[ 33%] Built target benchmark_radix_tree
[ 34%] Built target unity
[ 35%] Built target testutil
[ 36%] Built target test_scatter_gather
[ 37%] Built target test_radio_dish
[ 38%] Built target test_thread_safe
[ 38%] Built target test_poller
[ 39%] Built target test_shutdown_stress_tipc
[ 39%] Built target test_sub_forward_tipc
[ 40%] Built target test_router_mandatory_tipc
[ 40%] Built target test_router_notify
[ 40%] Built target test_reqrep_device_tipc
[ 41%] Built target test_client_server
[ 42%] Built target test_pair_tipc
[ 42%] Built target test_address_tipc
[ 43%] Built target test_fork
```