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Thread: [increasing the stack size using compiler flags](#)

Writz - June 14, 2015, 4:42 pm

i'm using gcc version 4.8.2, i'm on linux, having trouble with making a stack of size 8MB(8388608 bytes), due to the default stack size limit, tried "--main-stacksize=8388608" , but it didn't work.

any suggestions ?

my makefile...

Code CPPFLAGS= -g -w

all: run clean

run: main.o lcf.o filz.o

g++ \$(CPPFLAGS) main.o lcf.o filz.o -o run

main.o: main.cpp

g++ -c main.cpp

lcf.o: lcf.cpp

g++ -c lcf.cpp

filz.o: filz.cpp

g++ -c filz.cpp

clean:

rm *.o one more thing....

I ran this /usr/bin/ld --help | grep stack

-z execstack	Mark executable as requiring executable stack
-z noexecstack	Mark executable as not requiring executable stack
-z stacksize=SIZE	Set size of stack segment
-z execstack	Mark executable as requiring executable stack
-z noexecstack	Mark executable as not requiring executable stack
-z stacksize=SIZE	Set size of stack segment
-z execstack	Mark executable as requiring executable stack
-z noexecstack	Mark executable as not requiring executable stack
-z stacksize=SIZE	Set size of stack segment
-z execstack	Mark executable as requiring executable stack
-z noexecstack	Mark executable as not requiring executable stack
-z stacksize=SIZE	Set size of stack segment
-z execstack	Mark executable as requiring executable stack
-z noexecstack	Mark executable as not requiring executable stack
-z stacksize=SIZE	Set size of stack segment
--stack <size>	Set size of the initial stack
--stack <size>	Set size of the initial stack

so I tried to add -z stacksize=8388608 in the CPPFLAGS , but still no good, cuz the linker chooses

to ignore it after giving me a warning.

Only3 - June 14, 2015, 5:18 pm

try this

<http://stackoverflow.com/questions/18909395/how-do-i-increase-the-stack-size-when-compiling-with-clang-on-os-x>

jfishy - June 14, 2015, 8:01 pm

What distro are you running? Is it a virtual machine?

Writz - June 15, 2015, 3:36 am

(Jun 14, 2015 08:01 PM)jfishy Wrote: [\[CITE\]](#) What distro are you running? Is it a virtual machine?
yes it is, a virtual machine running lubuntu 14.01

(Jun 14, 2015 05:18 PM)Only3 Wrote: [\[CITE\]](#) try this
<http://stackoverflow.com/questions/18909395/how-do-i-increase-the-stack-size-when-compiling-with-clang-on-os-x>

it didn't work, ld gives this error:

```
/usr/bin/ld: unrecognised -a option `ck_size'  
The problem is kinda solved using this line..
```

```
> ulimit -s 32768  sets the stack size to 32M bytes
```