≡   ✏️

adbi compilation error hijack.c:764:11: error: use of undeclared identifier'PTRACE_GETREGS' solved! (https://www.dllhook.com/post/210.html)

Android (https://www.dllhook.com/category-3.html)

```
[arm64-v8a] Compile     : hijack <= hijack.c
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:141:22: warning: passing 'unsigned char [16]' to parameter of type 'const char *' converts
    between pointers to integer types with different sign [-Wpointer-sign]
    if (strncmp(ELFMAG, ehdr.e_ident, SELFMAG)) { /* sanity */
              ^~~~~~~~~~~
D:/DevelopTools/Android/sdk/ndk-bundle/build//../sysroot/usr/include\string.h:137:44: note: passing argument to parameter '__rhs' here
int strncmp(const char* __lhs, const char* __rhs, size_t __n) __attribute_pure__;
                                ^
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:529:76: warning: comparison of unsigned expression < 0 is always false [-Wtautological-compare]
        if ((*p = ptrace(PTRACE_PEEKTEXT, pid, (void *)(pos+(i*4)), (void *)*p)) < 0)
            ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ^ ~
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:764:11: error: use of undeclared identifier 'PTRACE_GETREGS'
            ptrace(PTRACE_GETREGS, pid, 0, &regs);
                   ^
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:792:9: error: use of undeclared identifier 'PTRACE_GETREGS'
      ptrace(PTRACE_GETREGS, pid, 0, &regs);
             ^
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:873:9: error: use of undeclared identifier 'PTRACE_SETREGS'
      ptrace(PTRACE_SETREGS, pid, 0, &regs);
             ^
2 warnings and 3 errors generated.
make: *** [C:/Users/piao/Downloads/adbi/hijack/obj/local/arm64-v8a/objs/hijack/__/hijack.o] Error 1
```

Solution:

Create a new Application.mk file in the Android.mk statistics directory with the following content:

```
APP_PLATFORM :=  android - 14 // This sentence can be omitted  , mainly to eliminate compilation warnings! ! !
APP_ABI := armeabi-v7a
```

Recompile:

```
C:\Users\piao\Downloads\adbi\hijack\jni
λ ndk-build.cmd
Android NDK: APP_PLATFORM not set. Defaulting to minimum supported version android-14.
[armeabi] Compile arm    : hijack <= hijack.c
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:141:22: warning: passing 'unsigned char [16]' to parameter of type 'const char *' converts
    between pointers to integer types with different sign [-Wpointer-sign]
    if (strncmp(ELFMAG, ehdr.e_ident, SELFMAG)) { /* sanity */
              ^~~~~~~~~~~
D:/DevelopTools/Android/sdk/ndk-bundle/build//../sysroot/usr/include\string.h:137:44: note: passing argument to parameter '__rhs' here
int strncmp(const char* __lhs, const char* __rhs, size_t __n) __attribute_pure__;
                                ^
C:/Users/piao/Downloads/adbi/hijack/jni/../hijack.c:529:76: warning: comparison of unsigned expression < 0 is always false [-Wtautological-compare]
        if ((*p = ptrace(PTRACE_PEEKTEXT, pid, (void *)(pos+(i*4)), (void *)*p)) < 0)
            ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ^ ~
2 warnings generated.
[armeabi] Executable    : hijack
[armeabi] Install       : hijack => libs/armeabi/hijack
```

Notice! !

5.x compilation needs to be added in Android.mk:

```
LOCAL_CFLAGS += -pie -fPIE
LOCAL_LDFLAGS += -pie -fPIE
```

Articles you may be interested in

Comment area

Comment

name	访客	Required
Mail		Optional
URL		Optional
verify		TARNF Required

Any advertising will be blocked~

Submit ○Welcome to participate in the discussion, please post your views and exchange your views here.

popular articles

[2021-05-20 update] LLDB commonly used commands-Piaoyun finishing (https://www.dllhook.com/post/51.html)
Reading: 42182 Comments: 2
(https://www.dllhook.com/post/51.html)

[Artifact] insert_dylib adds import table injection to macOS APP--you know~~ (https://www.dllhook.com/post/39.html)
Reading: 34875
(https://www.dllhook.com/post/39.html)

dyld detailed (https://www.dllhook.com/post/238.html)
Reading: 31967 Comments: 3
(https://www.dllhook.com/post/238.html)

Python interacts with C51 microcontroller (https://www.dllhook.com/post/162.html)
Reading: 20584 Comments: 1
(https://www.dllhook.com/post/162.html)

Traverse the dylib loaded by itself-get the load address and ASLR address, etc. (https://www.dllhook.com/post/58.html)
Reading: 16528
(https://www.dllhook.com/post/58.html)

Summary of Random Numbers and Random Strings Generated by iOS (https://www.dllhook.com/post/53.html)
Reading: 15779
(https://www.dllhook.com/post/53.html)