

??native

☐☐ Android native ☐☐ so

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1. ida-pro 7.5

2.

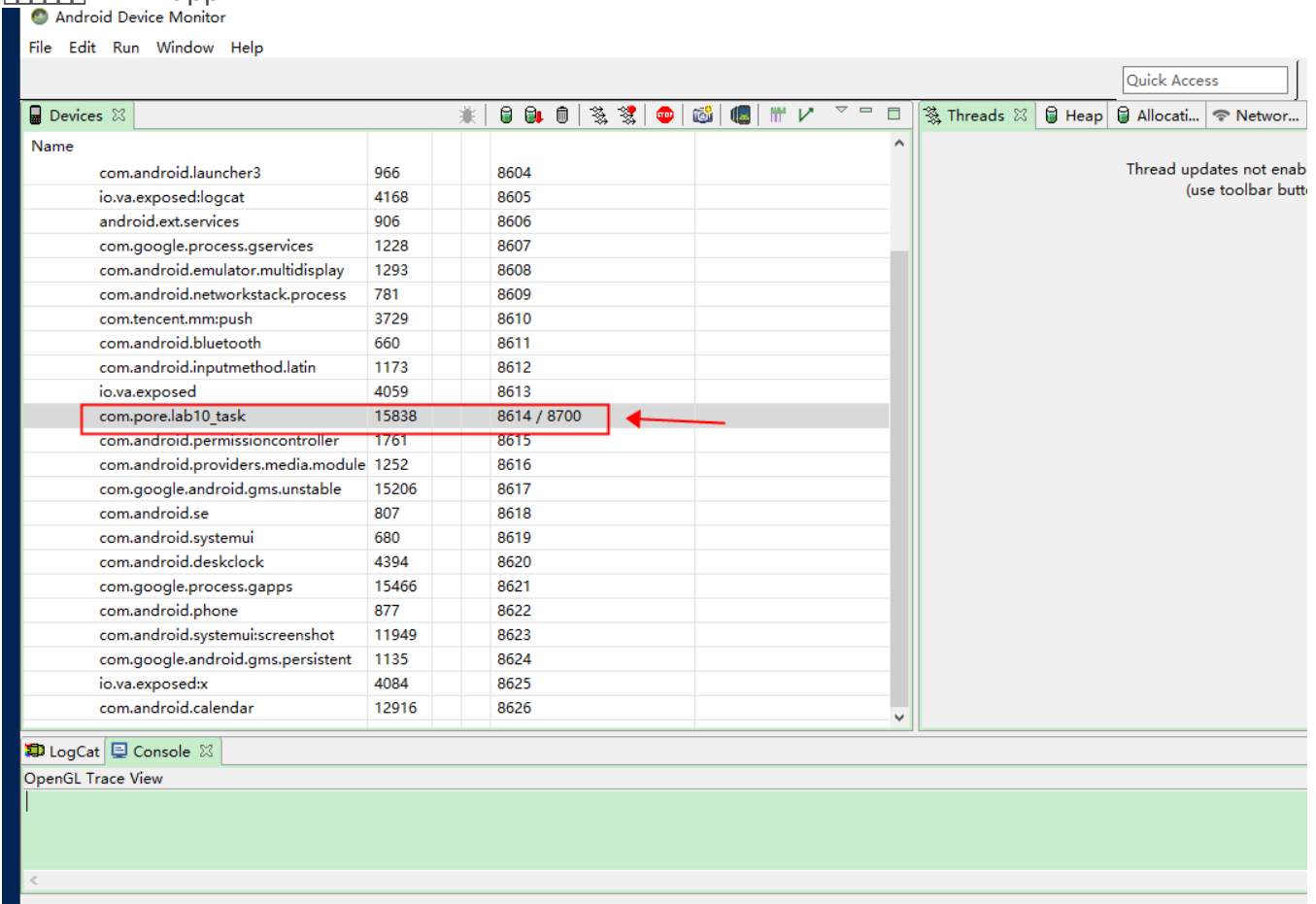
```
adb shell  
  
su
```

3. ida dbgsrv android_server(32 64 32 32
 android_server 64 64 android_server) /data/user/0/server

```
# x86  
chmod +x android_x86_server  
  
#   
move android_x86_server asd  
  
#   
./asd
```

5. ddms

6. app



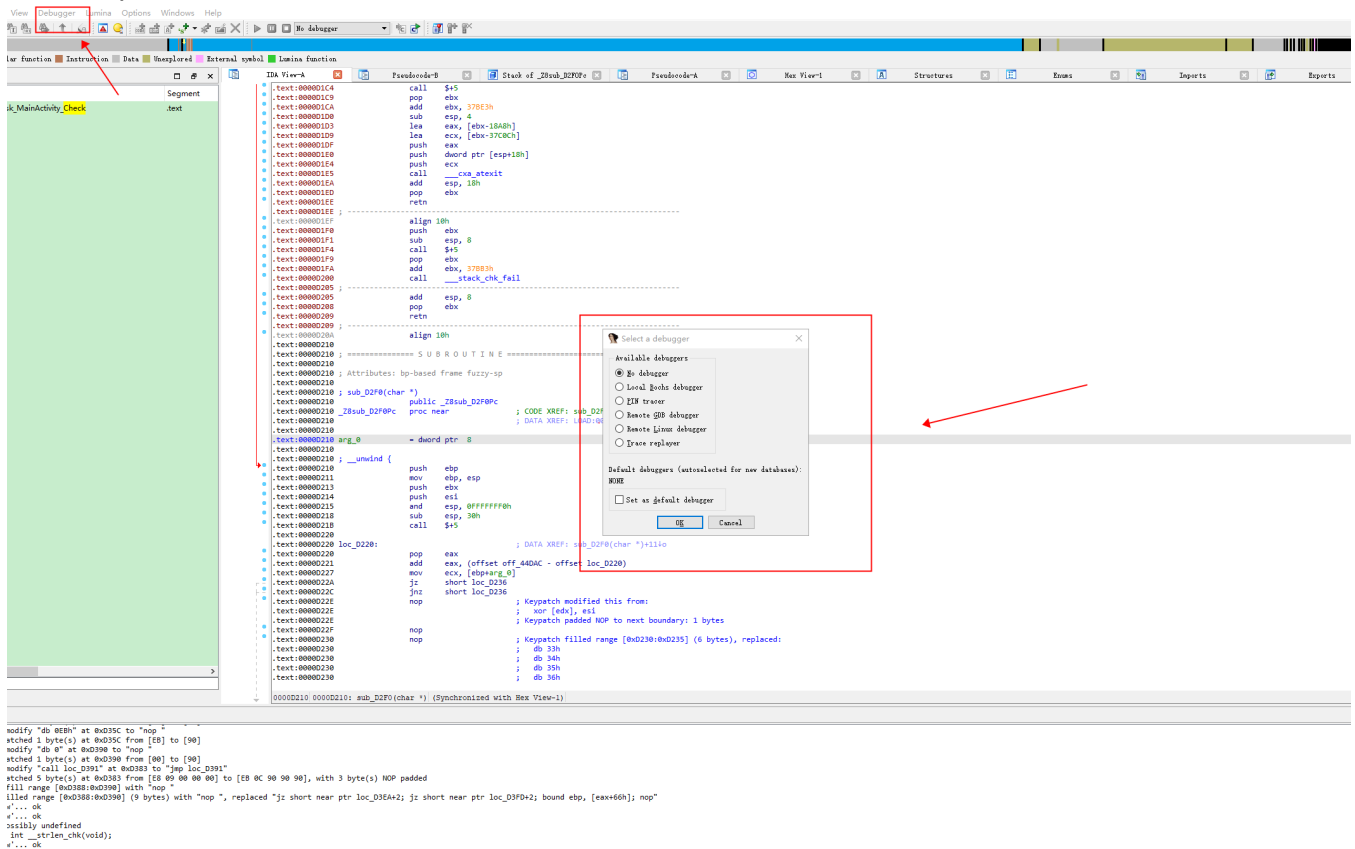
7. jdb -connect com.sun.jdi.SocketAttach:hostname=127.0.0.1,port=8614 jdk 1.8 port

8614

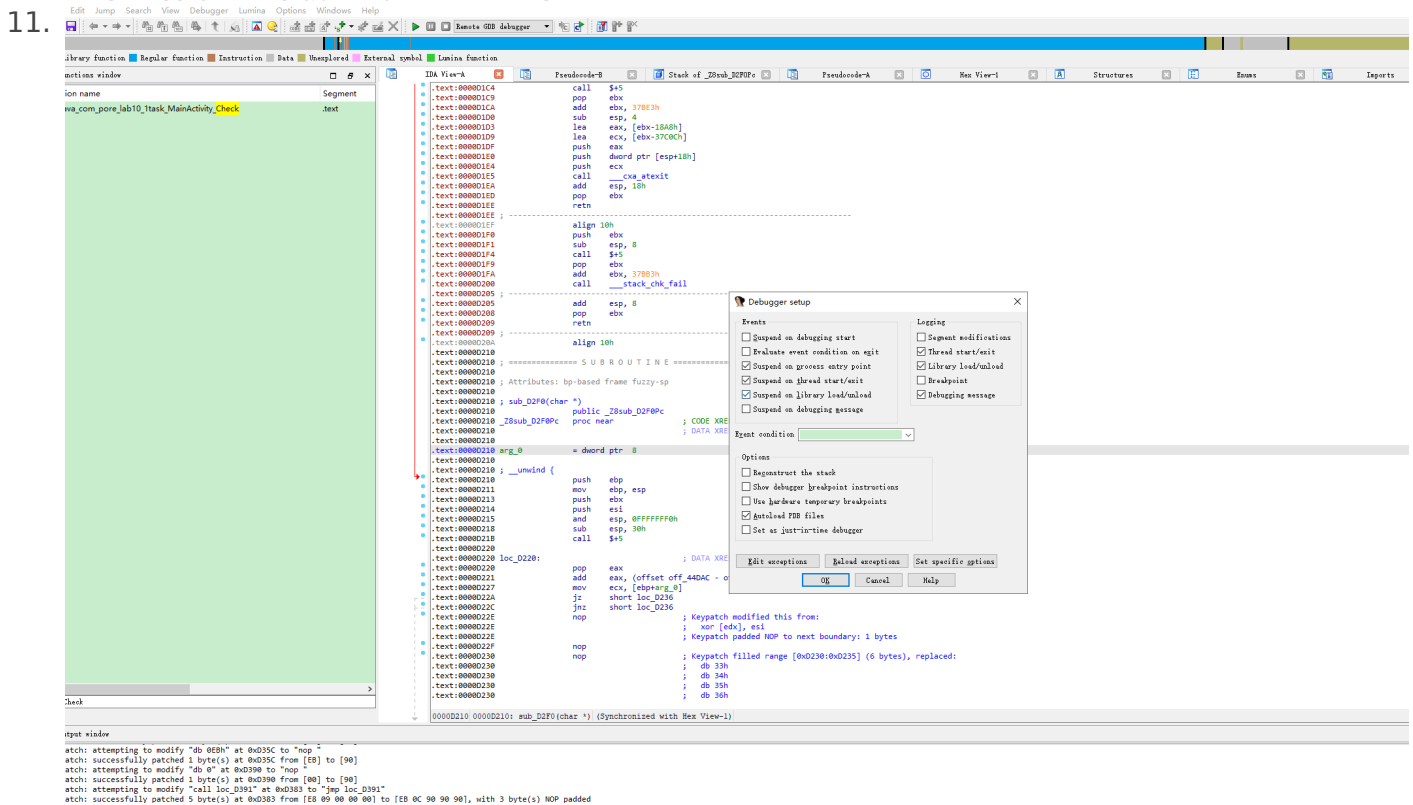
8. adb forward tcp:23946 tcp:23946

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9. ida-pro



10. remote Linux debugger



12. 3

13. hostname 127.0.0.1 port 23946

The screenshot shows the IDA Pro interface with the assembly view of a function. The assembly code includes instructions like `call $+5`, `pop ebx`, `add ebx, 378E3h`, `sub esp, 4`, `lea ecx, [ebx-18A8h]`, `lea ecx, [ebx-37C8h]`, `push eax`, `push dword ptr [esp+18h]`, `push ecx`, `call ___cxa_atexit`, `add esp, 18h`, `pop ebx`, `ret`, `align 10h`, `push ebx`, `sub esp, 8`, `call $+5`, `pop ebx`, `add ebx, 378B3h`, `call ___stack_chk_fail`, `add esp, 8`, `pop ebx`, `ret`, `align 10h`, and a subroutine definition for `sub_D2F0(char *)` which includes `push ebp`, `mov ebp, esp`, `push ebx`, `push esi`, `and esp, 0FFFFFF0h`, `sub esp, 30h`, `call $+5`, and a loop with `pop eax`, `add eax, (offset off_440AC - offset loc_D220)`, `mov ecx, [ebparg_0]`, `jz short loc_D236`, `jnz short loc_D236`, `nop`, and `nop` instructions. A dialog box titled "Debug application setup: gdb" is open, showing fields for Application (liblab10_task.so), Input file (liblab10_task.so), Parameters, Hostname, and Port (23946). The dialog also includes a checkbox for "Save network settings as default" and a note: "The file can't be loaded by the debugger plugin. Please verify that the parameters are valid." The status bar at the bottom indicates "00000210 00000210: sub_D2F0(char *) (Synchronized with Hex View-1)".

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