

[Q]: Запись детальной информации об Exception'e

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520 645 | except3.zip

EXCEPTQ in a 32 bit DLL which implements an exception handler which saves the registers in a file named xxxx.TRP (xxxx=Pid,Tid) together with the Loaded modules code and data objects addresses, and also the failing thread stack dump and the process status as given by DosQProcStatus. Trapperq is an IBM C/2 program which shows how to implement the call to 32 bits exception handler from a 16:16 bits program. enter Trapperq to generate a trap and the xxxx.TRP file. You are free to use that code as a sample for your programs. No support or guarantee from me implied.

Cheers Marc Fiammante

С трешкой работает, а с четверкой еще не собирал. Поищи на хоббесах или в

домейне в примерах. Если не найдешь, я тебе на емейл кину. Вот пример работы:

```
#pragma handler(main) #pragma map (_Exception,"MYHANDLER")
#include <stdio.h> #include <stdlib.h>

void TrapFunc(void);

main(){

    printf("Exception handler has been set by compiler\n");
    printf("Generating the TRAP from function\n");
    TrapFunc();

} void TrapFunc() {

    char * Test;
    Test=0;
    *Test=0;

}
```

Вот пример трап-файла:

Exception C0000005 Occurred at 00:03:17 02/09/100 Invalid linear address 00000000

OS/2 Version 2.40 Failing code module internal name : SAMPLE Failing code module file name : E:\TEMP\SAMPLE.EXE Failing code Object # 1 at Offset 58

File	Line#	Public Symbol
SAMPLE.C	44	TrapFunc (sample.obj) 0001:00000048

List of auto variables at EBP 28854 in TrapFunc: Offset Name Type Value

----- -4 Test near pointer to 8 bit unsigned 0x0 invalid

GS : 0000 FS : 150B ES : 0053 DS : 0053 | EDI : 00000000 ESI : 00000000 EAX : 00000000 EBX : 00000000 | ECX : 00000000 EDX : 00000004 | EBP : 00028854 EIP : 00010058 EFLG: 00012206 ESP : 00028850 | CS : 005B SS : 0053

Failing instruction at CS:EIP : 005B:00010058 is mov [eax],00

Register content analysis | EAX does not point to valid memory | EBX does not point to valid memory | ECX does not point to valid memory | EDX does not point to valid memory | EDI does not point to valid memory | ESI does not point to valid memory

Thread slot 125 , Id 1 , priority 200 Stack Bottom : 000208A0 (0017:08A0) ;Stack Top : 000288A0 (0017:88A0) Process Id : 201 .EXE name : E:\TEMP\SAMPLE.EXE

Call Stack:

EBP	Address	Module	Obj#	Source File	Line Numbr	Nearest Public Symbol
						- Trap → 000F:0058 SAMPLE
0001	SAMPLE.C 44	TrapFunc (sample.obj)	0001:00000048			
00028854	:00010035	SAMPLE 0001	SAMPLE.C 39	main (sample.obj)	0001:00000000	

No auto variables found in main.

0002886C :00010101 SAMPLE 0001 SAMPLE.C 45 __RunExitList (edcstrt.ASM) 0001:00000060

List of auto variables at EBP 28888 in TrapFunc: Offset Name Type Value

----- -4 Test near pointer to 8 bit unsigned 0x11150 unwritable

00028888 DFDf:C098 DOSCALL1 0004 Lost Stack chain - new EBP below previous

List of currently accessed modules (DLLs) object addresses | Module E:\TEMP\SAMPLE.EXE Handle 00004756 | Object Number Address Length Flags Type | 000000 00010000 00003D94 00010015 - 16:16 Selector 000F

[...съедено молью...]

Module D:\OS2\DLL\UCONV.DLL Handle 00000995 | Object Number Address Length Flags Type | 000000 1FCF0000 000059D9 00012015 - 16:16 Selector FE7F

/*--- Stack Bottom ---*/

/*--- Accessible Stack Bottom at 208A0 ---*/

000208A0 :0000 0000 0000 0000 0000 0000 0000 0000 000208B0 : lines not printed
same as above

00027FE0 :5300 0000 AD65 F91B 0000 0500 0000 F87F S....e.....

[...съедено молью...]

00028890 :9412 0000 0000 0000 0000 0300 8413 0300 /*--- Stack Top ---*/

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