SVC_ERROREXIT

Terminate MVM with an error message. This call displays a message and then terminates the current MVM session.

Parameters

Register	Description
Stack (top)	Far pointer (segment:offset) to an ASCIIZ message string. The message is displayed by the host system before termination.

Return Value

This function does not return; it terminates the MVM.

Description

SVC_ERROREXIT provides a way to terminate the MVM (Multiple Virtual DOS Machine) with a user-supplied error message. It is specific to the OS/2 MVDM environment and has no direct equivalent in DOS INT 21h (the closest is AH=4Ch, which terminates without a message).

Before invoking the call, the far pointer (segment and offset) of a null-terminated ASCII string must be pushed onto the stack. The host system (OS/2) will display the message and then terminate the virtual machine.

Interface

```
/* SVC_ERROREXIT — terminate with error message (far pointer on stack) */
extern void SvcErrorExit(const char far *msg);
#pragma aux SvcErrorExit = \
    "hlt"            \
    "db  1"          \
    "db  NOT 1"      \
    parm caller [] [msg] \
    modify [ax bx cx dx];
```

Example

MASM

```
include macrolib.inc
```

```
    push ds
    push offset msg
    @SvcErrorExit

msg db "Fatal error",0
```

C

```c
#include <svc.h>

void main(void) {
    SvcErrorExit("Fatal error");
}
```

Notes

- The message string must be in the ASCIIZ format (zero-terminated).
- After this call, the MVM is terminated and control returns to the host operating system.
- Because the call never returns, no register values are preserved.

See Also

- SVC_EXIT – terminate without a message.
- INT 21h AH=4Ch – DOS terminate with return code.

SVC API	
Supervisor calls	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
Structures	FCB XFCB FILETIME FILEDATE

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