

# 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.

The low-level instruction sequence generated for this SVC is:

```
HLT
DB 1 ; function code
DB NOT 1 ; complement of function code (for validation)
```

## Example

The following example shows how to terminate with an error message using assembly language:

```
push ds
push offset msg
hlt
db 1
db not 1
msg db "Fatal error",0
```

In a high-level language (e.g., C with inline assembly), you could use a helper macro:

```
#define SvcErrorExit(msg) \
    __asm { \
        push ds \
        push offset msg \
        hlt \
        _emit 1 \
        _emit ~1 \
    }
```

## 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. \* [SVC\\_DUPHANDLE](#) - duplicate handle. \* [INT 21h AH=4Ch](#) - DOS terminate with return code.

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