

# 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.

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

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