New Technical Notes

Macintosh

Developer Support

OS 520 - Start Manager Q&As

Operating System Utilities

Revised by: Developer Support Center September 1993
Written by: Developer Support Center October 1990

This Technical Note contains a collection of Q&As relating to a specific topic—questions you've sent the Developer Support Center (DSC) along with answers from the DSC engineers. While DSC engineers have checked the Q&A content for accuracy, the Q&A Technical Notes don't have the editing and organization of other Technical Notes. The Q&A function is to get new technical information and updates to you quickly, saving the polish for when the information migrates into reference manuals.

Q&As are now included with Technical Notes to make access to technical updates easier for you. If you have comments or suggestions about Q&A content or distribution, please let us know by sending an AppleLink to DEVFEEDBACK. Apple Partners may send technical questions about Q&A content to DEVSUPPORT for resolution.

SetTimeout refers to device specified by SetDefaultStartup
Date Written: 4/2/91
Last reviewed: 6/14/93

SetTimeout lets you specify the number of seconds the system will wait for the internal hard disk to respond (Inside Macintosh, oluVolume V, page 356). Is this only for a SCSI device at ID=0 or is this the device specified by the SetDefaultStartup call? Can I assume that SetTimeout and SetDefaultStartup are supported if the machine type returned by SysEnvirons is greater than a Macintosh Plus? Is there a better way to determine if these calls are supported?

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SetTimeOut is for the internal device, whose ID must be zero.

Growable Macintosh system heap does not affect startup process
Date Written: 9/17/90
Last reviewed: 6/14/93

Now that the system heap is growable, what are the new restrictions on the installation and

booting that must be observed to ensure that the specs of a 2 MB Macintosh can be met with no perceived performance impairment?

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Changes to the startup process have little or no effect on the system heap size issues. The system heap was already growable during patch installation on most of Apple's machines. The change was to make the growing work the same way on the Macintosh Plus and SE as on all the other machines. There are no new implications for system heap size, except that Apple can remove the code in the patches that grow the system heap explicitly (previously needed for the Plus and SE), because all Apple machines now have the automatic growing code active during patch loading. Note that the system heap continues to grow while 'INIT' resources from the system file and from extensions are loaded, and while applications are run (thanks to code from the Process Manager).

Macintosh GetTimeout and SetTimeout documentation fix
Date Written: 5/3/89
Last reviewed: 11/21/90

GetTimeout and SetTimeout aren't working as documented. What's wrong?

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The Inside Macintosh Volume V documentation for the obscure routines GetTimeout and SetTimeout is wrong. The routine selector for InternalWait is passed in A0, NOT on the stack. The assembler macros and Pascal and C "glue" routines for MPW 2.0 based on this information are also incorrect.

The problem was fixed in MPW 3.0. The following macros are defined in Traps.a for MPW 3.0:

```
MACRO
_GetTimeOut
MOVEA.W #0,A0
_InternalWait
ENDM

MACRO
_SetTimeOut
MOVEA.W #1,A0
_InternalWait
ENDM
```

The return value from GetTimeOut is in D0.