ABS Tech Note: DAL16 Running in Sys 6 Finder Environment (6/92)

Article Created: 30 June 1992

TOPIC ----------

Under some circumstances, when using DAL under the Finder with System 6.0.X, DAL will not be able to allocate enough memory to operate properly.

DISCUSSION ----------

DAL is a Macintosh system driver that is installed by an INIT into the System Heap. As such, it has to compete for space with all other drivers. At installation time only a minimum amount of space is allocated to load the driver and its required storage. Space for a DAL session is allocated at CL1Init time. Since the size of the system Heap cannot be changed once the Macintosh is fully booted, there are times when there is not enough space in the System Heap to allocate another DAL session. This problem is not specifically a DAL problem. It is a problem that is common to all drivers that reside in the System Heap.

Possible solutions:

- The best solution to this problem is to run MultiFinder. Under MultiFinder each driver indicates how much space it requires in the "System Heap" and MultiFinder grows the System Heap accordingly.

- If is not possible to run under MultiFinder, then the next best option is to remove an unnecessary INIT from your System Folder. By removing the INIT the driver or other system extension will not get loaded at boot time and thus free up some space in the System Heap.

- There is a file on the DAL Install Disk called "DAL Finder Setup". It is in the "DAL Files" folder. Put this file into your System Folder and reboot. This INIT increases the size of the System Heap by the same amount that MultiFinder would for DAL.

- If none of the previous solutions are possible then as a last resort the "Boot Blocks" can be edited (with 3rd party tools) to allow for more space to be allocated for the System Heap.

Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 11643