

filesysres

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	filesysres	1
1.1	filesysres.doc	1
1.2	FileSystem.resource/--background--	1

Chapter 1

filesysres

1.1 filesysres.doc

--background--

1.2 FileSystem.resource/--background--

PURPOSE

The FileSystem.resource is where boot disk drivers rendezvous to share file system code segments for partitions specified by dos type. Prior to V36, it was created by the first driver that needed to use it. For V36, its creation is ensured by the rom boot process.

CONTENTS

The FileSystem.resource is described in the include file resources/filesysres.h. The nodes on it describe how to algorithmically convert the result of MakeDosNode (from the expansion.library) to a node appropriate for the dos type.

FileSysEntry

- fse_Node on fsr_FileSysEntries list
- ln_Name is of creator of this entry
- fse_DosType DosType of this FileSys: e.g. 0x444f5301 for the fast file system.
- fse_Version high word is the version, low word is the revision.
- fse_PatchFlags bits set for those of the following that need to be substituted into a standard device node for this file system: e.g.
 - \$180 for substitute SegList & GlobalVec
- fse_Type device node type: zero
- fse_Task standard dos "task" field
- fse_Lock must be zero
- fse_Handler for V36, if bit 31 is set, this is not an AmigaDOS partition.

fse_StackSize stacksize to use when starting task
fse_Priority task priority when starting task
fse_Startup startup msg: FileSysStartupMsg for disks
fse_SegList segment of code to run to start new task
fse_GlobalVec BCPL global vector when starting task

no more entries need exist than those implied by fse_PatchFlags,
so entries do not have a fixed size. For V36, for example, the
entry for the fast file system (fse_DosType 0x444f5301)
contains a zero fse_PatchFlags, and thus no entries beyond that.