

(MEM-MGR)LOCK(c)

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NAME

(Mem-Mgr)lock - to memory manager: process lock a segment

INTRODUCTION

The memory manager is part of the basic kernel. It executes at processor priority 2 with kernel D-space enabled. The primary function of the memory manager is to load the next process for the system scheduler. Since the memory manager contains all the code for managing physical memory, certain other services, primarily for the benefit of the process manager, are included.

SYNOPSIS

lock = 12.

INPUT

```
struct {  
    struct msghdr hdr;  
    int segid; /* Segment ID to lock */  
};
```

VALUES

segid = physical address of the start of the segment

DESCRIPTION

The segment *segid* is loaded in memory contiguous with other process locked or nonswap segments and locked in memory.

DIAGNOSTICS

User status is set to -1 if there is insufficient memory.