

(MEM-MGR)LOAD(c)

(MEM-MGR)LOAD(c)

NAME

(Mem-Mgr)load – to memory manager: load a process

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

load = 11.

INPUT

```
struct {  
    struct msghdr hdr;  
    int  segid; /*Segment ID of process PCB */  
};
```

VALUES

user status = the number of segments read in to satisfy the request

DESCRIPTION

The PCB segment specified by *segid* is loaded, then all segments with the "pcbnn" or "pcbnxt" bits are loaded. Other segments which are not locked may be shifted in memory. Segments which are not nonswap or active may be swapped out.

DIAGNOSTICS

The user status is set to -1 if there is insufficient memory.