

NAME

linprocfs - Linux process file system

SYNOPSIS

```
linproc          /compat/linux/proc linprocfs rw 0 0
```

DESCRIPTION

The Linux process file system, or **linprocfs**, emulates a subset of Linux' process file system and is required for the complete operation of some Linux binaries.

The **linprocfs** provides a two-level view of process space. At the highest level, processes themselves are named, according to their process ids in decimal, with no leading zeros. There is also a special node called *self* which always refers to the process making the lookup request.

Each node is a directory containing several files:

exe A reference to the vnode from which the process text was read. This can be used to gain access to the process' symbol table, or to start another copy of the process.

mem The complete virtual memory image of the process. Only those addresses which exist in the process can be accessed. Reads and writes to this file modify the process. Writes to the text segment remain private to the process.

Each node is owned by the process's user, and belongs to that user's primary group, except for the *mem* node, which belongs to the *kmem* group.

FILES

<i>/compat/linux/proc</i>	The normal mount point for the linprocfs .
<i>/compat/linux/proc/cpuinfo</i>	CPU vendor and model information in human-readable form.
<i>/compat/linux/proc/meminfo</i>	System memory information in human-readable form.
<i>/compat/linux/proc/pid</i>	A directory containing process information for process <i>pid</i> .
<i>/compat/linux/proc/self</i>	A directory containing process information for the current process.
<i>/compat/linux/proc/self/exe</i>	The executable image for the current process.
<i>/compat/linux/proc/self/mem</i>	The complete virtual address space of the current process.

EXAMPLES

To mount a **linprocfs** file system on */compat/linux/proc*:

```
mount -t linprocfs linproc /compat/linux/proc
```

SEE ALSO

mount(2), unmount(2), linux(4), procfs(5), pseudofs(9)

HISTORY

The **linprocfs** first appeared in FreeBSD 4.0.

AUTHORS

The **linprocfs** was derived from **procfs** by Pierre Beyssac. This manual page was written by Dag-Erling Smórgrav, based on the **procfs(5)** manual page by Garrett Wollman.