

NAME

pseudofs - pseudo file system construction kit

SYNOPSIS

```
#include <fs/pseudofs/pseudofs.h>
```

DESCRIPTION

The **pseudofs** module offers an abstract API for pseudo-file systems such as `procfs(5)` and `linprocfs(5)`. It takes care of all the hairy bits like interfacing with the VFS system, enforcing access control, keeping track of file numbers, and cloning files and directories that are process-specific. The consumer module, i.e., the module that implements the actual guts of the file system, needs only provide the directory structure (represented by a collection of structures declared and initialized by macros provided by **pseudofs**) and callbacks that report file attributes or write the actual file contents into sbufs.

SEE ALSO

`linprocfs(5)`, `linsysfs(5)`, `procfs(5)`, `sbuf(9)`, `vnode(9)`

HISTORY

The **pseudofs** module appeared in FreeBSD 5.0.

AUTHORS

The **pseudofs** module and this manual page were written by Dag-Erling Smógrav <des@FreeBSD.org>.