NAME

vput, **vrele**, **vunref** - decrement the use count for a vnode

SYNOPSIS

#include <sys/param.h>
#include <sys/vnode.h>

void
vput(*struct vnode *vp*);

void
vrele(*struct vnode *vp*);

void
vunref(*struct vnode *vp*);

DESCRIPTION

Decrement the *v_usecount* field of a vnode.

vp the vnode to decrement

The **vrele**() function takes an unlocked vnode and returns with the vnode unlocked.

The **vput**() function should be given a locked vnode as argument, the vnode is unlocked after the function returned. The **vput**() is operationally equivalent to calling VOP_UNLOCK(9) followed by **vrele**(), with less overhead.

The **vunref**() function takes a locked vnode as argument, and returns with the vnode locked.

Any code in the system which signified its use of a vnode by usecount should call one of the listed function to decrement use counter. If the *v_usecount* field of the non-doomed vnode reaches zero, then it will be inactivated and placed on the free list.

The **vrele**() function may lock the vnode. All three functions may sleep.

The hold count for the vnode is always greater or equal to the usecount. Non-forced unmount fails when mount point owns a vnode that has non-zero usecount, see vflush(9).

SEE ALSO

vget(9), vnode(9), vref(9), vrefcnt(9)

AUTHORS

This manual page was written by Doug Rabson and Konstantin Belousov.