

NAME

umask — set and get creation mask

SYNOPSIS

umask (*mask*)

DESCRIPTION

Umask sets the process inode creation mask to *mask* and returns the previous value of *mask*. The creation mask indicates automatic restrictions placed on the access permissions (read, write, execute) at the time of file creation (initial *creat* and *mknod*), that is, each bit set in the mask clears the corresponding permission mode bit.

For example, a mask of 0 would leave the modes unaltered. A mask of 022 would remove write permission for the group and others even if specified in the *creat* or *mknod* system call. A mask value of 077 would remove all group and others permissions.

SEE ALSO

mkdir(1), *sh*(1), *mknod*(1, 2), *creat*(2), *chmod*(2)

ASSEMBLER

(*syscb* = 45.; *umask* = 1)
(new mask in r0)
(*umask* in r1)
sys syscb; ..; ..
(old mask in r0)