NAME

mkdir – make directories

SYNOPSIS

mkdir [**–m** *mode*] [**–p**] *dir*. . .

AVAILABILITY

SUNWcsu

DESCRIPTION

The **mkdir** command creates the named directories in mode **777** (possibly altered by the file mode creation mask **umask**(1)).

Standard entries in a directory (for instance, the files "**.**", for the directory itself, and "**..**", for its parent) are made automatically. **mkdir** cannot create these entries by name. Creation of a directory requires write permission in the parent directory.

The owner-ID and group-ID of the new directories are set to the process's effective user-ID and group-ID, respectively. **mkdir** calls the **mkdir**(2) system call.

setgid and mkdir

To change the **setgid** bit on a newly created directory, you must use **chmod g+s** or **chmod g-s** after executing **mkdir**.

The **setgid** bit setting is inherited from the parent directory.

OPTIONS

The following options are supported:

–m *mode* This option allows users to specify the mode to be used for new directories. Choices for modes can be found in **chmod**(1).

–p With this option, **mkdir** creates *dir* by creating all the non-existing parent directories first. The mode given to intermediate directories will be the difference between **777** and the bits set in the file mode creation mask. The difference, however, must be at least **300** (write and execute permission for the user).

OPERANDS

The following operand is supported:

dir A path name of a directory to be created.

EXAMPLES

The following example:

```
example% mkdir -p ltr/jd/jan
```

creates the subdirectory structure **ltr/jd/jan**.

ENVIRONMENT

See **environ**(5) for descriptions of the following environment variables that affect the execution of **mkdir**: **LC_CTYPE**, **LC_MESSAGES**, and **NLSPATH**.

EXIT STATUS

The following exit values are returned:

0 All the specified directories were created successfully or the **–p** option was specified and all the specified directories now exist.

>0 An error occurred.

SEE ALSO

rm(1), **sh**(1), **umask**(1), **intro**(2), **mkdir**(2), **environ**(5)