NAME

devreserv – reserve devices for exclusive use

SYNOPSIS

devreserv [*key* [*devicelist* ...]]

DESCRIPTION

devreserv reserves devices for exclusive use. When the device is no longer required, use **devfree** to release it.

devreserv reserves at most one device per *devicelist*. Each list is searched in linear order until the first available device is found. If a device cannot be reserved from each list, the entire reservation fails.

When **devreserv** is invoked without arguments, it lists the devices that are currently reserved and shows to which key it was reserved. When **devreserv** is invoked with only the *key* argument, it lists the devices that are currently reserved to that key.

OPTIONS

key Designates a unique key on which the device will be reserved. The key must be a positive integer.

devicelist Defines a list of devices that **devreserv** will search to find an available device. (The list must be formatted as a single argument to the shell.)

EXAMPLES

To reserve a floppy disk and a cartridge tape:

```
$ key=$$
$ echo "The current Process ID is equal to: $key"
The Current Process ID is equal to: 10658
$ devreserv $key diskette1 ctape1
```

To list all devices currently reserved:

```
$ devreserv
disk1       2423
diskette1   10658
ctape1      10658
```

To list all devices currently reserved to a particular key:

```
$ devreserv $key
diskette1
ctape1
```

ERRORS

The command will exit with one of the following values:

0 Successful completion of the task.

1 Command syntax incorrect, invalid option used, or internal error occurred.

2 Device table or device reservation table could not be opened for reading.

3 Device reservation request could not be fulfilled.

FILES

/etc/device.tab
/etc/devlkfile

SEE ALSO

devfree(1M)

NOTES

The commands **devreserv** and **devfree** are used to manage the availability of devices on a system. Their use is on a participatory basis and they do not place any constraints on the actual access to the device. They serve as a centralized bookkeeping point for those who wish to use them. To summarize, devices which have been reserved cannot be used by processes which utilize the device reservation functions until the reservation has been canceled. However, processes that do not use device reservation may use a device that has been reserved since such a process would not have checked for its reservation status.