NAME

putdev – edits device table

SYNOPSIS

putdev –**a** *alias* [*attribute=value* [**...**]]
putdev –**m** *device attribute=value* [*attribute=value* [**...**]]
putdev –**d** *device* [*attribute* [**...**]]

DESCRIPTION

putdev can add a new device to the device table, modify an existing device description or remove a device entry from the table. The first synopsis is used to add a device. The second synopsis is used to modify existing entries by adding or changing attributes. If a specified attribute is not defined, this option adds that attribute to the device definition. If a specified attribute is already defined, it modifies the attribute definition. The third synopsis is used to delete either an entire device entry or, if the attribute argument is used, to delete an attribute assignment for a device.

OPTIONS

–**a** Add a device to the device table using the specified attributes. The device must be referenced by its *alias*.

–**m** Modify a device entry in the device table. If an entry already exists, it adds any specified attributes that are not defined. It also modifies any attributes which already have a value with the value specified by this command.

–**d** Remove a device from the device table, when executed without the *attributes* argument. Used with the *attribute* argument, it deletes the given attribute specification for *device* from the table.

alias Designate the alias of the device to be added.

device Designate the pathname or alias of the device whose attribute is to be added, modified, or removed.

attribute Designate a device attribute to be added, modified, or deleted. Can be any of the device attributes described under **DEVICE ATTRIBUTES** except **alias**. This prevents an accidental modification or deletion of a device's alias from the table.

value Designate the value to be assigned to a device's attribute.

DEVICE ATTRIBUTES

The following list shows the standard device attributes, used by applications such as **ufsdump**(1M) and **ufsrestore**(1M), which can be defined for a device. You are not limited to this list, you can define any attribute you like.

alias The unique name by which a device is known. No two devices in the database may share the same alias name. The name is limited in length to 14 characters and should contain only alphanumeric characters and the following special characters if they are escaped with a backslash: underscore (_), dollar sign ($), hyphen (–), and period (.).

bdevice The pathname to the block special device node associated with the device, if any. The associated major/minor combination should be unique within the database and should match that associated with the **cdevice** field, if any. (It is the administrator's responsibility to ensure that these **major/minor** numbers are unique in the database.)

capacity The capacity of the device or of the typical volume, if removable.

cdevice The pathname to the character special device node associated with the device, if any. The associated major/minor combination should be unique within the database and should match that associated with the **bdevice** field, if any. (It is the administrator's responsibility to ensure that these **major/minor** numbers are unique in the database.)

cyl Used by the command specified in the **mkfscmd** attribute.

desc A description of any instance of a volume associated with this device (such as floppy diskette).

dpartlist The list of disk partitions associated with this device. Used only if **type=disk**. The list should contain device aliases, each of which must have **type=dpart**.

dparttype The type of disk partition represented by this device. Used only if **type=dpart**. It should be either **fs** (for file system) or **dp** (for data partition).

erasecmd The command string that, when executed, erases the device.

fmtcmd The command string that, when executed, formats the device.

fsname The file system name on the file system administered on this partition, as supplied to the **/usr/sbin/labelit** command. This attribute is specified only if **type=dpart** and **dparttype=fs**.

gap Used by the command specified in the **mkfscmd** attribute.

mkfscmd The command string that, when executed, places a file system on a previously formatted device.

mountpt The default mount point to use for the device. Used only if the device is mountable. For disk partitions where **type=dpart** and **dparttype=fs**, this attribute should specify the location where the partition is normally mounted.

nblocks The number of blocks in the file system administered on this partition. Used only if **type=dpart** and **dparttype=fs**.

ninodes The number of inodes in the file system administered on this partition. Used only if **type=dpart** and **dparttype=fs**.

norewind The name of the character special device node that allows access to the serial device without rewinding when the device is closed.

pathname Defines the pathname to an i-node describing the device (used for non-block or character device pathnames, such as directories).

type A token that represents inherent qualities of the device. Standard types include: 9-track, ctape, disk, directory, diskette, dpart, and qtape.

volname The volume name on the file system administered on this partition, as supplied to the **/usr/sbin/labelit** command. Used only if **type=dpart** and **dparttype=fs**.

volume A text string used to describe any instance of a volume associated with this device. This attribute should not be defined for devices which are not removable.

ERRORS

putdev 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 could not be opened for reading, or new device table could not be created.

3 If executed with the −**a** option, indicates that an entry in the device table with the alias *alias* already exits. If executed with the −**m** or −**d** options, indicates that no entry exists for device *device*.

4 Indicates that −**d** was requested and one or more of the specified attributes were not defined for the device.

FILES

/etc/device.tab

SEE ALSO

devattr(1M), **putdgrp**(1M), **ufsdump**(1M), **ufsrestore**(1M)

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