NAME

kpartx − Create device maps from partition tables.

SYNOPSIS

kpartx [**−a**|**−d**|**−u**|**−l**] [**−r**] [**−p**] [**−f**] [**−g**] [**−s**|**−n**] [**−v**] **wholedisk**

DESCRIPTION

This tool, derived from util-linux' partx, reads partition tables on specified device and create device maps over partitions segments detected. It is called from hotplug upon device maps creation and deletion.

OPTIONS

−a Add partition mappings.

−d Delete partition mappings.

−u Update partition mappings.

−l List partition mappings that would be added −a.

−r Read-only partition mappings.

−p Set device name-partition number delimiter.

−f Force creation of mappings; overrides 'no_partitions' feature.

−g Force GUID partition table (GPT).

−s Sync mode (Default). Don't return until the partitions are created.

−n Nosync mode. Return before the partitions are created.

−v Operate verbosely.

EXAMPLE

To mount all the partitions in a raw disk image:

kpartx −av disk.img

This will output lines such as:

add map loop1p1 (254:4): 0 409597 linear 7:1 3

The *loop1p1* is the name of a device file under */dev/mapper* which you can use to access the partition, for example to fsck it:

fsck /dev/mapper/loop1p1

When you're done, you need to remove the devices:

kpartx −d disk.img

SEE ALSO

multipath(8) **multipathd**(8) **hotplug**(8)

AUTHORS

This man page was assembled By Patrick Caulfield for the Debian project.

multipath-tools was developed by Christophe Varoqui <christophe.varoqui@opensvc.com> and others.