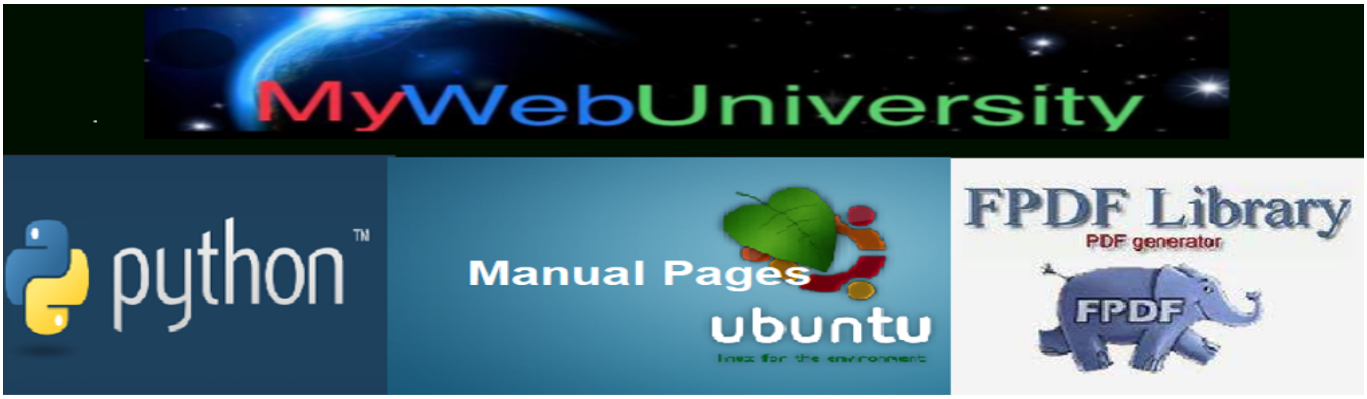

Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!

Rocky Enterprise Linux 9.2 Manual Pages on command 'partx.8'

$ man partx.8

PARTX(8) System Administration PARTX(8)

NAME

partx - tell the kernel about the presence and numbering of on-disk partitions

SYNOPSIS

partx [-a|-d|-P|-r|-s|-u] [-t type] [-n M:_N_] [-] disk

partx [-a|-d|-P|-r|-s|-u] [-t type] partition [disk]

DESCRIPTION

Given a device or disk-image, partx tries to parse the partition table and list its contents. It can also tell the kernel to add or remove partitions from its bookkeeping.

The disk argument is optional when a partition argument is provided. To force scanning a partition as if it were a whole disk (for example to list nested subpartitions), use the argument "-" (hyphen-minus). For example:

partx --show - /dev/sda3

This will see sda3 as a whole-disk rather than as a partition.

partx is not an fdisk program - adding and removing partitions does not change the disk, it just tells the kernel about the presence and numbering of on-disk partitions.

OPTIONS

-a, --add

Add the specified partitions, or read the disk and add all partitions.

-b, --bytes

Print the SIZE column in bytes rather than in human-readable format.

-d, --delete

Delete the specified partitions or all partitions. It is not error to remove

non-existing partitions, so this option is possible to use together with large --nr ranges without care about the current partitions set on the device.

-g, --noheadings

Do not print a header line with --show or --raw.

-l, --list

List the partitions. Note that all numbers are in 512-byte sectors. This output format is DEPRECATED in favour of --show. Do not use it in newly written scripts.

-n, --nr M:N

Specify the range of partitions. For backward compatibility also the format M-N is supported. The range may contain negative numbers, for example --nr -1:-1 means the last partition, and --nr -2:-1 means the last two partitions. Supported range specifications are:

M

Specifies just one partition (e.g. --nr 3).

M:

Specifies the lower limit only (e.g. --nr 2:).

:N

Specifies the upper limit only (e.g. --nr :4).

M:N

Specifies the lower and upper limits (e.g. --nr 2:4).

-o, --output list

Define the output columns to use for --show, --pairs and --raw output. If no output arrangement is specified, then a default set is used. Use --help to get list of all supported columns. This option cannot be combined with the --add, --delete, --update or --list options.

--output-all

Output all available columns.

-P, --pairs

List the partitions using the KEY="value" format.

-r, --raw

List the partitions using the raw output format.

-s, --show

List the partitions. The output columns can be selected and rearranged with the

--output option. All numbers (except SIZE) are in 512-byte sectors.

-t, --type type

Specify the partition table type.

--list-types

List supported partition types and exit.

-u, --update

Update the specified partitions.

-S, --sector-size size

Overwrite default sector size.

-v, --verbose

Verbose mode.

-V, --version

Display version information and exit.

-h, --help

Display help text and exit.

ENVIRONMENT

LIBBLKID_DEBUG=all

enables libblkid debug output.

EXAMPLE

partx --show /dev/sdb3, partx --show --nr 3 /dev/sdb, partx --show /dev/sdb3 /dev/sdb

All three commands list partition 3 of /dev/sdb.

partx --show - /dev/sdb3

Lists all subpartitions on /dev/sdb3 (the device is used as whole-disk).

partx -o START -g --nr 5 /dev/sdb

Prints the start sector of partition 5 on /dev/sdb without header.

partx -o SECTORS,SIZE /dev/sda5 /dev/sda

Lists the length in sectors and human-readable size of partition 5 on /dev/sda.

partx --add --nr 3:5 /dev/sdd

Adds all available partitions from 3 to 5 (inclusive) on /dev/sdd.

partx -d --nr :-1 /dev/sdd

Removes the last partition on /dev/sdd.

AUTHORS

Davidlohr Bueso <dave@gnu.org>, Karel Zak <kzak@redhat.com>

The original version was written by Andries E. Brouwer <aeb@cwi.nl>

SEE ALSO

addpart(8), delpart(8), fdisk(8), parted(8), partprobe(8)

REPORTING BUGS

For bug reports, use the issue tracker at https://github.com/karelzak/util-linux/issues.

AVAILABILITY

The partx command is part of the util-linux package which can be downloaded from Linux Kernel Archive <https://www.kernel.org/pub/linux/utils/util-linux/>.