



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

**C:\>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.

-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.

## EXAMPLES

```
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.

## SEE ALSO

[addpart\(8\)](#), [delpart\(8\)](#), [fdisk\(8\)](#), [parted\(8\)](#), [partprobe\(8\)](#)

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## ENVIRONMENT

`LIBBLKID_DEBUG=all`

enables libblkid debug output.

## AVAILABILITY

The `partx` command is part of the `util-linux` package and is available from Linux

Kernel Archive <https://www.kernel.org/pub/linux/utils/util-linux/>.

util-linux

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