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 DEPRE-CATED 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.
>
>   **−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/   .