

how set partition flags with parted

To set partition flags using the `parted` command-line utility, you can use the `set` command. This command allows you to modify flags on a specified partition^[1].

Here's how to use the `parted` command to set flags:

1. Open a terminal with root privileges^[2].
2. Start the `parted` utility by specifying the block device you want to modify^[3]:

```
parted /dev/sdX
```

where `/dev/sdX` is the disk you want to modify.

3. To set a flag on a specific partition, use the following command^[2]:

```
set PARTITION# FLAG on/off
```

- Replace `PARTITION#` with the partition number you want to modify^[2].
- Replace `FLAG` with the name of the flag you want to set^[2]. Flag names are case-sensitive^[2].
- Specify either `on` to enable the flag or `off` to disable it^[2].

For example, to set the `boot` flag on partition 3, the command would be^[2]:

```
parted set 3 boot on
```

4. To view the current flags for each partition, use the `print` command^[1] ^[4].

```
print
```

Available flags depend on the disk label (partitioning table) you are using^[1]. Common flags include^[5]:

- `boot`
- `root`
- `swap`
- `hidden`
- `raid`
- `lvm`
- `lba`

- legacy_boot
- palo

It is important to note that using `parted` to format a storage device will erase all partitions and data on the selected storage device^[2]. The command to format the device is `mklabel`^[2].

```
parted mklabel DISKLABEL
```

Replace `DISKLABEL` with the desired partitioning table type such as `gpt`, `msdos`, or `bsd`^[2].

After setting a boot flag, you might need to update `/etc/fstab`^[6].

✱

1. https://www.gnu.org/s/parted/manual/html_node/set.html
2. <https://www.linux.org/threads/gparted-partition-and-filesystem-flags.11640/>
3. https://docs.redhat.com/en/documentation/red_hat_enterprise_linux/8/html/managing_file_systems/partition-operations-with-parted_managing-file-systems
4. https://www.gnu.org/software/parted/manual/html_node/parted_29.html
5. <https://learn.redhat.com/t5/Platform-Linux/Partition-flags-parted-dev-sdb-set-1-lvm-boot-root-swap-on/td-p/16654>
6. <https://unix.stackexchange.com/questions/343429/set-bootable-partition-command-line>