

! BTRFS Hints

Attentions

- 2021-03: Keep at least 10GB free space !
- 2021-03: Never ever let BTRFS to be out of space. Balance data chunks regularly to always make space for growing metadatas (snapshots)
- 2021-03: Do not use quota groups (it is not stable)
- 2021-03: Do not use BTRFS with HDDs with bfq scheduler. Performance accessing metadata is very poor and can cause system lockups.
- [Other Warnings](#)

Hints

- Default node size for `mkfs.btrfs` is 16kB and offers best performance. If file is small enough to be stored in btrfs leaf metadata it is directly stored in metadatas (max file size is 16384-148 leaf header)

Depending on your chosen Linux distribution, you might want to follow the latest 5.10 LTS kernel which is supposed to contain numerous btrfs related improvements. However, be warned that the current 5.10 kernel also has several btrfs related performance regression issues so definitely do not rush to upgrade even if you are capable of doing so.

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