

BtrFS - B-Tree FileSystem 3
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ReiserFS **Ext** **BtrFS** 3

Btrfs - B-Tree FileSystem

```
suse:~ # btrfs filesystem show /
Label: none  uuid: 0ead7d87-6692-4c74-8b3e-15fecfd2fa20
  Total devices 1 FS bytes used 1.80GiB
  devid    1 size 33.33GiB used 4.07GiB path /dev/sda3
```

```
suse:~ # btrfs filesystem df /
Data, single: total=2.01GiB, used=1.75GiB
System, DUP: total=32.00MiB, used=16.00KiB
Metadata, DUP: total=1.00GiB, used=57.81MiB
GlobalReserve, single: total=4.44MiB, used=0.00B
```

```
suse:~ # btrfs filesystem usage /
Overall:
  Device size:          33.33GiB
  Device allocated:     4.07GiB
  Device unallocated:   29.26GiB
  Device missing:       0.00B
  Used:                 1.86GiB
  Free (estimated):    29.53GiB   (min: 14.89GiB)
  Data ratio:           1.00
  Metadata ratio:      2.00
  Global reserve:      4.44MiB   (used: 0.00B)
```

```
Data,single: Size:2.01GiB, Used:1.75GiB
/dev/sda3      2.01GiB
```

```
Metadata,DUP: Size:1.00GiB, Used:57.81MiB
/dev/sda3      2.00GiB
```

```
System,DUP: Size:32.00MiB, Used:16.00KiB
/dev/sda3      64.00MiB
```

```
Unallocated:
/dev/sda3      29.26GiB
```

ReiserFS

Ext

Btrfs

ext4	Btrfs	.	ext	block
size가	4096	.		
	block size	.		

```
suse:~ # tune2fs -l /dev/sdb1
tune2fs 1.43.8 (1-Jan-2018)
Filesystem volume name: <none>
Last mounted on: <not available>
...
Block size: 4096 # <- 4096
Fragment size: 4096
...
Default directory hash: half_md4
Directory Hash Seed: 94d1d801-0589-450b-a2a7-bc0f76908cac
Journal backup: inode blocks
```

```
suse:~ # btrfs-convert /dev/sdb1
create btrfs filesystem:
  blocksize: 4096
  nodesize: 16384
  features: extref, skinny-metadata (default)
creating ext2 image file
creating btrfs metadata
copy inodes [0] [ 0/ 12]
conversion complete
```

ext ext2_saved

```
suse:~ # btrfs subvolume list /mnt/disk1
ID 256 gen 3 top level 5 path ext2_saved
```

```
# 가
suse:~ # btrfs subvolume delete /mnt/disk1/ext2_saved/
Delete subvolume (no-commit): '/mnt/disk1/ext2_saved'

# 가 unmount
suse:~ # btrfs-convert -r /dev/sdb1
rollback succeeded
```

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