ext4

(,), .

:

- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

, ext4 (/dev/sda1):

1. - , :

```
sudo dumpe2fs /dev/sda1 | grep journal
```

```
dumpe2fs 1.44.5 (15-Dec-2018)
Filesystem features:      has_journal ext_attr
resize_inode dir_index filetype needs_recovery
extent 64bit flex_bg sparse_super large_file
huge_file dir_nlink extra_isize metadata_csum
Journal
features:         journal_incompat_revoke
journal_64bit journal_checksum_v3
```

has_journal , .

2. sudo umount (Live-USB);
3. :

```
sudo tune2fs -O ^has_journal /dev/sda1
```

4. ( );
5. - .