

Table Of Contents

Table Of Contents 1

Find the inode size of the filesystem 2

[Home](#) > [Faq](#) > [CentOS](#)

How to: Find the inode size of an ext2 / ext3 filesystem

Posted by [Vivek Gite](#) <vivek@nixcraft.com>

Q. I need to find out inode size of my ext3 file system for recovery purpose. How can I find the inode size of an ext2/ext3 filesystem?

A. You need to use tune2fs command, which allows the system administrator to adjust various tunable filesystem parameters on Linux ext2/ext3 filesystems.



[1]

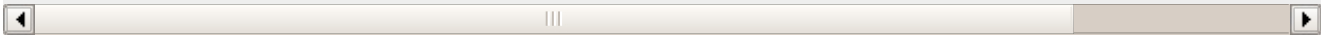
Find the inode size of the filesystem

The -l option lists the inode size of the filesystem. Using the same option, other information of the filesystem superblock can also be seen. The superblock contains information about the filesystem, such as the number of free blocks available, and the number of mounts, that may be useful for tuning purposes.

```
# sudo tune2fs -l /dev/sda2
```

Output:

```
tune2fs 1.40.2 (12-Jul-2007)
Filesystem volume name:
Last mounted on:
Filesystem UUID:          8c2da865-13f4-47a2-9c92-2f31738469e8
Filesystem magic number:  0xEF53
Filesystem revision #:    1 (dynamic)
Filesystem features:      has_journal resize_inode dir_index filetype needs_recovery sparse
Filesystem flags:         signed directory hash
Default mount options:    (none)
Filesystem state:         clean
Errors behavior:          Continue
Filesystem OS type:       Linux
Inode count:              12222464
Block count:              24412775
Reserved block count:     1220638
Free blocks:              17464715
Free inodes:              12055081
First block:              0
Block size:               4096
Fragment size:            4096
Reserved GDT blocks:      1018
Blocks per group:         32768
Fragments per group:      32768
Inodes per group:         16384
Inode blocks per group:   512
Filesystem created:       Sat Oct  6 04:51:23 2007
Last mount time:          Fri Nov  9 08:07:04 2007
Last write time:          Fri Nov  9 08:07:04 2007
Mount count:              12
Maximum mount count:      32
Last checked:             Mon Nov  5 13:33:36 2007
Check interval:           15552000 (6 months)
Next check after:         Sat May  3 13:33:36 2008
Reserved blocks uid:      0 (user root)
Reserved blocks gid:      0 (group root)
First inode:              11
Inode size:               128
Journal inode:            8
First orphan inode:       1163400
Default directory hash:   tea
Directory Hash Seed:      bcdf359b-11c2-4c1a-8823-92be72c09ac4
```

Journal backup:	inode blocks
	

To find the inode size, enter:

```
# sudo tune2fs -l /dev/sda2 | grep Inode
```

Output:

```
Inode count:          12222464
Inodes per group:     16384
Inode blocks per group: 512
Inode size:           128
```

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our [daily email](#) newsletter or [weekly newsletter](#) to make sure you don't miss a single tip/tricks. Alternatively, subscribe via [RSS/XML](#) feed.

Article printed from Frequently Asked Questions About Linux / UNIX: <http://www.cyberciti.biz/faq/>

URL to article: <http://www.cyberciti.biz/faq/linux-show-contents-of-filesystem-superblock-inode/>

URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/file-system/>