

Struttura di un inode:

offset	size	description
0	2	i_mode
2	2	i_uid
4	4	i_size
8	4	i_atime
12	4	i_ctime
16	4	i_mtime
20	4	i_dtime
24	2	i_gid
26	2	i_links_count
28	4	i_blocks
32	4	i_flags
36	4	i_osd1
40	4	i_block (ripetuto 15 volte)
100	4	i_generation
104	4	i_file_acl
108	4	i_dir_acl
112	4	i_faddr
116	12	i_osd2

Struttura di un group descriptor:

offset	size	description
0	4	bg_block_bitmap
4	4	bg_inode_bitmap
8	4	bg_inode_table
12	2	bg_free_blocks_count
14	2	bg_free_inodes_count
16	2	bg_used_dirs_count
18	2	bg_pad
20	12	bg_reserved

Struttura del superblocco:

offset	size	description
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0	4	s_inodes_count
4	4	s_blocks_count
8	4	s_r_blocks_count
12	4	s_free_blocks_count
16	4	s_free_inodes_count
20	4	s_first_data_block
24	4	s_log_block_size
28	4	s_log_frag_size
32	4	s_blocks_per_group
36	4	s_frags_per_group
40	4	s_inodes_per_group
44	4	s_mtime
48	4	s_wtime
52	2	s_mnt_count
54	2	s_max_mnt_count
56	2	s_magic
58	2	s_state
60	2	s_errors
62	2	s_minor_rev_level
64	4	s_lastcheck
68	4	s_checkinterval
72	4	s_creator_os
76	4	s_rev_level
80	2	s_def_resuid
82	2	s_def_resgid
84	4	s_first_ino
88	2	s_inode_size
90	2	s_block_group_nr
92	4	s_feature_compat
96	4	s_feature_incompat
100	4	s_feature_ro_compat
104	16	s_uuid
120	16	s_volume_name
136	64	s_last_mounted
200	4	s_algo_bitmap
204	1	s_prealloc_blocks
205	1	s_prealloc_dir_blocks
206	2	(byte di allineamento – non usati)
208	16	s_journal_uuid
224	4	s_journal_inum
228	4	s_journal_dev

232 4 s_last_orphan
236 788 (byte non usati – zero padding)

Organizzazione del disco:

offset	# of blocks	description
0	1	boot record
-- block group --		
1	1	superblock
2	1	group descriptors
3	1	block bitmap
4	1	inode bitmap
5	variabile	inode table
X	variabile	data blocks