

sysfs-fs-ext4..txt

What: /sys/fs/ext4/<disk>/mb\_stats  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: Controls whether the multiblock allocator should collect statistics, which are shown during the unmount. 1 means to collect statistics, 0 means not to collect statistics

What: /sys/fs/ext4/<disk>/mb\_group\_prealloc  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: The multiblock allocator will round up allocation requests to a multiple of this tuning parameter if the stripe size is not set in the ext4 superblock

What: /sys/fs/ext4/<disk>/mb\_max\_to\_scan  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: The maximum number of extents the multiblock allocator will search to find the best extent

What: /sys/fs/ext4/<disk>/mb\_min\_to\_scan  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: The minimum number of extents the multiblock allocator will search to find the best extent

What: /sys/fs/ext4/<disk>/mb\_order2\_req  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: Tuning parameter which controls the minimum size for requests (as a power of 2) where the buddy cache is used

What: /sys/fs/ext4/<disk>/mb\_stream\_req  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: Files which have fewer blocks than this tunable parameter will have their blocks allocated out of a block group specific preallocation pool, so that small files are packed closely together. Each large file will have its blocks allocated out of its own unique preallocation pool.

What: /sys/fs/ext4/<disk>/inode\_readahead  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: Tuning parameter which controls the maximum number of inode table blocks that ext4's inode table readahead

sysfs-fs-ext4..txt  
algorithm will pre-read into the buffer cache

What: /sys/fs/ext4/<disk>/delayed\_allocation\_blocks  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: This file is read-only and shows the number of blocks that are dirty in the page cache, but which do not have their location in the filesystem allocated yet.

What: /sys/fs/ext4/<disk>/lifetime\_write\_kbytes  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: This file is read-only and shows the number of kilobytes of data that have been written to this filesystem since it was created.

What: /sys/fs/ext4/<disk>/session\_write\_kbytes  
Date: March 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: This file is read-only and shows the number of kilobytes of data that have been written to this filesystem since it was mounted.

What: /sys/fs/ext4/<disk>/inode\_goal  
Date: June 2008  
Contact: "Theodore Ts'o" <tytso@mit.edu>  
Description: Tuning parameter which (if non-zero) controls the goal inode used by the inode allocator in preference to all other allocation heuristics. This is intended for debugging use only, and should be 0 on production systems.