



Melio FS Configuration Options
www.sanbolic.com

There are six settings, which affect the way that a process behaves.

Large Metadata

This setting is enabled by default on a global basis. With this setting enabled new files and directories will allocate larger portions from the disk for their metadata. Enabling this option may increase performance when different machines operate over different files or directories (created after the setting has been enabled). However, there may be performance degradation with directory searches.

Aggressive Allocation Length

By specifying a value between 1 and 8192 the user can change the default behavior (16 MB). This is the size of the block that gets allocated to a file, when the file is created or data is appended to it. The aim is to reduce fragmentation and to increase performance for frequently updated files. The larger this block, the more effective is the operation on large files. However, large pre-allocations may lead to inefficient use of free space in case of many simultaneously opened files. You may want to increase this value above 16 Mbytes for applications appending data to large files.

Disable Access Time Update

By specifying a value different from 0 the user can enable this setting. If you are not interested in the "Date accessed" property of the files, you can enable this setting. The result is that an increase in performance will be observed when working with files and directories. For example, when viewing the contents of directory, reading file, multiple file opens, etc.

Disable Cache Back

By specifying a value different from 0 the user can enable this setting. Enabling this setting may lead to slight decrease of performance, but make the application work properly. Use it only if you are experiencing troubles with some applications – for example Title Deko titling package needs disabling of cache back and the default setting for this applications is cache back disabled.

Ignore Write Through

By specifying a value different from 0 the user can enable this setting. When enabled this setting ignores the FILE_FLAG_WRITE_THROUGH.

Ignore No Buffering

By specifying a value different from 0 the user can enable this setting. When enabled this setting ignores the FILE_FLAG_NO_BUFFERING.

Report_FS_as_NTFS

By specifying a value different from 0 the user can enable this setting. When enabled Melio FS represents itself as NTFS. This helps for correct behaviour of some applications, which are not aware of the Melio built-in features.

Enforce Write Through*

By specifying a value different from 0 the user can enable this setting. When enabled this setting enforces the FILE_FLAG_WRITE_THROUGH. This setting may fix fluctuations in performance especially for video applications.

Enforce No Buffering*

By specifying a value different from 0 the user can enable this setting. When enabled this setting enforces the File_Flag_No_Buffering. This setting may fix fluctuations in performance especially for video applications.



The settings that correspond to the [Default] process are global settings*. They affect all processes. If a process is added, its settings will override the global ones. You can add a process by right-clicking in the Process pane. This will allow you to browse for the executable file. To add the preferred settings, you must select the desired process first and then right-click in the "Tweaks for process" pane. You will notice that the relevant process is displayed after "Tweaks for process".

**Note: It is advisable not to change the global settings, since this may lead to unexpected behavior of the file system. Instead, make changes on a per process basis.*



Disk Flush Disabled

Setting this option may help in situations where hardware issues exist. Certain disk storage does not support this command or its support is not correct (usually when the command is issued it takes a lot of time to be completed by the underlying storage). If you are experiencing issues with performance – e.g. performance degradation, drop-down of performance when digitizing, you may need to disable disk flush. Use this option with caution! When checked, Melio will not issue disk flush commands, which may lead to file system inconsistency in case of a power failure. If unsure leave unchecked.



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