H5P_SET_FILE_SPACE_STRATEGY

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H5P_SET_FILE_SPACE_STRATEGY

Sets the file space handling strategy and persisting free-space values for a file creation property list

Procedure:

H5P_SET_FILE_SPACE_STRATEGY (fcpl, strategy, persist, threshold)

Signature:

```
herr_t H5Pset_file_space_strategy(
        hid_t fcpl,
        H5F_fspace_strategy_t strategy,
        hbool_t persist,
        hsize_t threshold )
```

Parameters:

id_t fcpl	IN: The file creation property list identifier used to create a new file

H5F_fspace_strategy_t strategy	IN: The file space handling strategy to be used. H5F_fspace_strategy_t is defined as:
	`typedef enum H5F_fspace_strategy_t {`
	`H5F_FSPACE_STRATEGY_FSM_AGGR = 0, /* FSM, Aggregators, VFD */`
	`H5F_FSPACE_STRATEGY_PAGE = 1 /* Paged FSM, VFD */`
	`H5F_FSPACE_STRATEGY_AGGR = 2 /* Aggregators, VFD */`
	`H5F_FSPACE_STRATEGY_NONE = 3, /* VFD */`
	`H5F_FSPACE_STRATEGY_NTYPES`
	`} H5F_fspace_strategy_t;`

hbool_t persist	IN: A boolean value to indicate whether free space should be persistent or not
hsize_t threshold	IN: The smallest free-space section size that the free space manager will track

Description:

H5P_SET_FILE_SPACE_STRATEGY sets the file space handling `strategy`, specifies persisting free-space or not (`persist`), and sets the free-space section size `threshold` in the file creation property list `fcpl`.

This setting cannot be changed for the life of the file.

As the H5F_FSPACE_STRATEGY_AGGR and H5F_FSPACE_STRATEGY_NONE strategies do not use the free-space managers, the persist and threshold settings will be ignored for those strategies.

Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

Example:

Coming Soon!

History:

Release	Change
1.10.1	C function introduced with this release.

--- Last Modified: May 01, 2019 | 03:32 PM