

H5P_SET_FILTER_CALLBACK

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H5P_SET_FILTER_CALLBACK

Sets user-defined filter callback function

Procedure:

H5P_SET_FILTER_CALLBACK (plist, func, op_data)

Signature:

```
herr_t H5Pset_filter_callback(hid_t plist,  
                             H5Z_filter_func_t func,  
                             void *op_data)
```

NONE

Parameters:

<i>hid_t</i> plist	IN: Dataset transfer property list identifier
<i>H5Z_filter_func_t</i> func	IN: User-defined filter callback function
<i>void *</i> op_data	IN: User-defined input data for the callback function

Description:

H5P_SET_FILTER_CALLBACK sets the user-defined filter callback function `func` in the dataset transfer property list `plist`.

The parameter `op_data` is a pointer to user-defined input data for the callback function and will be passed through to the callback function.

The callback function `func` defines the actions an application is to take when a filter fails. The function prototype is as follows:

```
typedef H5Z_cb_return_t(H5Z_filter_func_t)(H5Z_filter_t filter_id, void *buf, size_t buf_size, void *op_data)
```

where `filter_id` indicates which filter has failed, `buf` and `buf_size` are used to pass in the failed data, and `op_data` is the required input data for this callback function.

Valid callback function return values are `H5Z_CB_FAIL` and `H5Z_CB_CONT`.

Returns:

Example:

History:

Release	Change
1.6.0	Function introduced in this release.

--- Last Modified: August 09, 2019 | 02:22 PM