H5E_GET_AUTO2

Expand all Collapse all

- Jump to ...
- Summary
- Description
- Example
- Switch language ...
- C
- C++
- FORTRAN
- JAVA

Summary
Description
Example
JAVA
FORTRAN
C++
C

H5E_GET_AUTO2

Returns the settings for the automatic error stack traversal function and its data

Procedure:

H5E_GET_AUTO2(estack_id, func, client_data)

Signature:

```
herr_t H5Eget_auto2( hid_t estack_id, H5E_auto2_t * func, void **client_data )
```

Parameters:

hid_t `estack_id`	IN: Error stack identifier. `H5E_DEFAULT` indicates the current stack
H5E_auto2_t * `func`	OUT: The function currently set to be called upon an error condition
void **`client_data`	OUT: Data currently set to be passed to the error function

Description:

H5E_GET_AUTO2 returns the settings for the automatic error stack traversal function, `func`, and its data, `client_data`, that are associated with the error stack specified by `estack_id`.

Either or both of the `func` and `client_data` arguments may be null, in which case the value is not returned.

The library initializes its default error stack traversal functions to H5E_PRINT1 and H5E_PRINT2. A call

to H5E_GET_AUTO2 returns H5E_PRINT2 or the user-defined function passed in through H5E_SET_AUTO2. A call to H5E_GET_AUTO1 returns H5E_PRINT1 or the user-defined function passed in through H5E_SET_AUTO1. However, if the application passes in a user-defined function through H5E_SET_AUTO1, it should call H5E_GET_AUTO1 to query the traversal function. If the application passes in a user-defined function through H5E_SET_AUTO2, it should call H5E_GET_AUTO2 to query the traversal function.

Mixing the new style and the old style functions will cause a failure. For example, if the application sets a user-defined old-style traversal function through H5E_SET_AUTO1, a call to H5E_GET_AUTO2 will fail and will indicate that the application has mixed H5E_SET_AUTO1 and H5E_GET_AUTO2. On the other hand, mixing H5E_SET_AUTO2 and H5E_GET_AUTO1 will also cause a failure. But if the traversal functions are the library's default H5E_PRINT1 or H5E_PRINT2, mixing H5E_SET_AUTO1 and H5E_GET_AUTO2 or mixing H5E_SET_AUTO2 and H5E_GET_AUTO1 does not fail.

Returns:

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

Example:

Coming Soon!

History:

Release	C
1.8.0	Function introduced in this release.

--- Last Modified: April 13, 2018 | 01:10 PM