

H5E_GET_AUTO1

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H5E_GET_AUTO1

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

This function is deprecated in favor of [H5E_GET_AUTO2](#).

Procedure:

H5E_GET_AUTO1(func, client_data)

Signature:

```
herr_t H5Eget_auto1( H5E_auto1_t * func, void **client_data )
```

Parameters:

<code>H5E_auto1_t * func</code>	OUT: Current setting for the function to be called upon an error condition
<code>void **client_data</code>	OUT: Current setting for the data passed to the error function

Description:

H5E_GET_AUTO1 returns the current settings for the automatic error stack traversal function, `func`, and its data, `client_data`. Either or both 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	Change
1.8.0	Function H5Eget_auto renamed to H5Eget_auto1 and deprecated in this release.

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