

# H5E\_GET\_AUTO

[Expand all](#) [Collapse all](#)

- [Jump to ...](#)
- [Summary](#)
- [Description](#)
- [Example](#)
- [Switch language ...](#)
- [C](#)
- [C++](#)
- [FORTRAN](#)
- [JAVA](#)

[Summary](#)  
[Description](#)  
[Example](#)  
[JAVA](#)  
[FORTRAN](#)  
[C++](#)  
[C](#)

# H5E\_GET\_AUTO

Returns settings for automatic error stack traversal function and its data

## Signature:

```
herr_t H5Eget_auto( H5E_auto1_t * func, void **client_data )
```

```
herr_t H5Eget_auto( hid_t estack_id, H5E_auto2_t * func, void **client_data )
```

## Description:

H5E\_GET\_AUTO is a macro that is mapped to either [H5E\\_GET\\_AUTO1](#) or [H5E\\_GET\\_AUTO2](#), depending on the needs of the application.

Such macros are provided to facilitate application compatibility. Their use and mappings are fully described in [API Compatibility Macros in HDF5](#).

When both the HDF5 library and the application are built and installed with no specific compatibility flags, H5E\_GET\_AUTO is mapped to the most recent version of the function, currently [H5E\\_GET\\_AUTO2](#). If the library and/or application is compiled for Release 1.6 emulation, H5E\_GET\_AUTO will be mapped to [H5E\\_GET\\_AUTO1](#). Function-specific flags are available to override these settings on a function-by-function basis when the application is compiled.

Specific compile-time compatibility flags and the resulting mappings are as follows:

Compatibility setting	H5Eget_auto mapping
<a href="#">Global settings</a>	
No compatibility flag	H5Eget_auto2
Enable deprecated symbols	H5Eget_auto2
Disable deprecated symbols	H5Eget_auto2

Emulate Release 1.6 interface	H5Eget_auto1
<a href="#">Function-level macros</a>	
H5Eget_auto_vers = 2	H5Eget_auto2
H5Eget_auto_vers = 1	H5Eget_auto1

**History:**

Release	Change
1.8.0	The function H5Eget_auto renamed to H5Eget_auto1 and deprecated in this release. The macro H5Eget_auto and the function H5Eget_auto2 introduced in this release.

--- Last Modified: January 08, 2020 | 02:12 PM