

# H5O\_VISIT

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# H5O\_VISIT

Recursively visits all objects accessible from a specified object

## Signature:

```
herr_t H5Ovisit( hid_t object_id, H5_index_t index_type, H5_iter_order_t order, H5O_iterate_t op, void  
*op_data, unsigned int fields )
```

```
herr_t H5Ovisit( hid_t object_id, H5_index_t index_type, H5_iter_order_t order, H5O_iterate_t op, void  
*op_data )
```

```
SUBROUTINE h5ovisit_f(object_id, index_type, order, op, op_data, &  
    return_value, hdferr)  
    INTEGER(HID_T), INTENT(IN) :: object_id  
    INTEGER, INTENT(IN) :: index_type  
    INTEGER, INTENT(IN) :: order  
  
    TYPE(C_FUNPTR) :: op  
    TYPE(C_PTR) :: op_data  
    INTEGER, INTENT(OUT) :: return_value  
    INTEGER, INTENT(OUT) :: hdferr
```

## Description:

H5O\_VISIT is a macro that is mapped to one of the following:

- [H5O\\_VISIT3](#)
- [H5O\\_VISIT1](#)

Such macros are provided to facilitate application compatibility. Their use and mappings are fully described in [API Compatibility Macros in HDF5](#); we urge you to read that document closely.

In HDF5 versions 1.12 and after, H5O\_VISIT is mapped to [H5O\\_VISIT3](#). In version 1.10, H5O\_VISIT is identical to [H5O\\_VISIT1](#).

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

Compatibility settings	H5O_VISIT
No compatibility flag	H5O_VISIT3 in 1.12 or after H5O_VISIT1 for 1.8 and 1.10
Emulate Release 1.12	H5O_VISIT3
Emulate Release 1.10 or 1.8 interface	H5O_VISIT1

#### History:

Release	Change
1.12.0	The macro H5O_VISIT and function H5O_VISIT3 were added, and H5O_VISIT1 was deprecated.
1.10.5	The macro H5O_VISIT was removed. The functions H5O_VISIT and H5O_VISIT1 are identical in this release. This change was added to restore the broken API compatibility introduced in HDF5-1.10.3.
1.10.3	The function H5O_VISIT was renamed to H5O_VISIT1. The macro H5O_VISIT and the function H5O_VISIT2 H5 were introduced in this release.
1.8.8	Fortran subroutine and data structure added.
1.8.0	C function introduced.

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