# H5O_VISIT

Expand all  Collapse all

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

Summary
Description
Example
JAVA
FORTRAN
C++
C

# 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<br>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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