H5O_GET_INFO_BY_NAME2

Expand all Collapse all

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

Summary
Description
Example
JAVA
FORTRAN
C++
C

H5O_GET_INFO_BY_NAME2

Retrieves the metadata for an object, identifying the object by location and relative name

> *As of HDF5-1.12 this function has been deprecated in favor of the function H5O_GET_INFO_BY_NAME3 or the macro H5O_GET_INFO_BY_NAME .*

Procedure:

H5O_GET_INFO_BY_NAME2 (loc_id, name, oinfo, fields, lapl_id)

Signature:

```
herr_t H5Oget_info_by_name2 ( hid_t loc_id, const char *name, H5O_info1_t *oinfo, unsigned fields, hid_t
lapl_id )
```

```
SUBROUTINE h5oget_info_by_name_f(loc_id, name, object_info, hdferr,  &
        lapl_id, fields)

    INTEGER(HID_T)  , INTENT(IN)            :: loc_id
    CHARACTER(LEN=*), INTENT(IN)            :: name
    TYPE(h5o_info_t), INTENT(OUT), TARGET   :: object_info
    INTEGER         , INTENT(OUT)           :: hdferr
    INTEGER(HID_T)  , INTENT(IN) , OPTIONAL :: lapl_id
    INTEGER         , INTENT(IN) , OPTIONAL :: fields
```

Parameters:

hid_t `loc_id`	IN: Location identifier specifying group in which object is located; may be a file, group, dataset, named datatype or attribute identifier
const char *`name`	IN: Name of group, relative to `loc_id`
H5O_info1_t *`oinfo`	OUT: Buffer in which to return object information
unsigned int `fields`	IN: Flags specifying the fields to include in `oinfo`
hid_t `lapl_id`	IN: Link access property list *—(Not currently used; pass as `H5P_DEFAULT`.)*

Description:

H5O_GET_INFO_BY_NAME2 specifies an object's location and name, `loc_id` and `object_name`, respectively, and retrieves the metadata describing that object in `oinfo`, an *H5O_info1_t* struct.

The struct *H5O_info1_t* is defined in `H5Opublic.h` and described in the H5O_GET_INFO1 function entry.

The `fields` parameter contains flags to determine which fields will be filled in in the *H5O_info1_t* struct returned in `oinfo`. These flags are defined in the `H5Opublic.h` file:

Flag	Purpose
H5O_INFO_BASIC	Fill in the fileno, addr, type, and rc fields
H5O_INFO_TIME	Fill in the atime, mtime, ctime, and btime fields
H5O_INFO_NUM_ATTRS	Fill in the num_attrs field
H5O_INFO_HDR	Fill in the hdr field
H5O_INFO_META_SIZE	Fill in the meta_size field
H5O_INFO_ALL	H5O_INFO_BASIC | H5O_INFO_TIME | H5O_INFO_NUM_ATTRS | H5O_INFO_HDR | H5O_INFO_META_SIZE

The link access property list, `lapl_id`, is not currently used; it should be passed in as `H5P_DEFAULT`.

Returns:

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

Example:

History:

Release	Change
1.10.3	C function introduced in this release.

--- Last Modified: February 19, 2020 | 03:06 PM