

H5O_GET_INFO_BY_NAME2

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H5O_GET_INFO_BY_NAME2

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

Procedure:

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

Signature:

```
herr_t H5Oget_info_by_name( hid_t loc_id, const char *object_name, H5O_info_t *object_info, unsigned int
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:

<i>hid_t</i> loc_id	IN: Location identifier specifying group in which object is located; may be a file, group, dataset, named datatype or attribute identifier
<i>const char</i> *name	IN: Name of group, relative to loc_id

<code>H5O_info_t *object_info</code>	OUT: Buffer in which to return object information
<code>unsigned int fields</code>	IN: Flags specifying the fields to include in <code>object_info</code>
<code>hid_t lapl_id</code>	IN: Link access property list —(Not currently used; pass as <code>H5P_DEFAULT</code> .)

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 `object_info`, an `H5O_info_t` struct.

The struct `H5O_info_t` is defined in `H5Opublic.h` and described in the `H5O_GET_INFO` function entry.

The `fields` parameter contains flags to determine which fields will be filled in in the `H5O_info_t` struct returned in `object_info`. These flags are defined in the `H5Opublic.h` file:

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

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:

Coming Soon!

History:

Release	Change
1.10.3	C function introduced in this release.
1.8.0	C function introduced in this release.
1.8.8	Fortran 2003 subroutine and <code>h5o_info_t</code> derived type introduced in this release.