

H5G_GET_INFO_BY_NAME

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H5G_GET_INFO_BY_NAME

Retrieves information about a group

Procedure:

H5G_GET_INFO_BY_NAME(loc_id, group_name, group_info, lapl_id)

Signature:

```
herr_t H5Gget_info_by_name( hid_t loc_id, const char *group_name, H5G_info_t *group_info, hid_t lapl_id )
```

```

SUBROUTINE h5gget_info_by_name_f(loc_id, group_name, &
    storage_type, nlinks, max_corder, hdferr, lapl_id, mounted)

    IMPLICIT NONE
    INTEGER(HID_T), INTENT(IN) :: loc_id
        ! File or group identifier
    CHARACTER(LEN=*), INTENT(IN) :: group_name
        ! Name of group containing group for which
        ! information is to be retrieved
    INTEGER, INTENT(OUT) :: storage_type
        ! Type of storage for links in group:
        !   H5G_STORAGE_TYPE_COMPACT_F: Compact storage
        !   H5G_STORAGE_TYPE_DENSE_F: Indexed storage
        !   H5G_STORAGE_TYPE_SYMBOL_TABLE_F: Symbol tables
    INTEGER, INTENT(OUT) :: nlinks
        ! Number of links in group
    INTEGER, INTENT(OUT) :: max_corder
        ! Current maximum creation order value for group

    INTEGER, INTENT(OUT) :: hdferr
        ! Error code:
        ! 0 on success and -1 on failure
    INTEGER(HID_T), OPTIONAL, INTENT(IN) :: lapl_id
        ! Link access property list
    LOGICAL, INTENT(OUT), OPTIONAL :: mounted
        ! Whether group has a file mounted on it
END SUBROUTINE h5gget_info_by_name_f

```

Parameters:

<i>hid_t</i> loc_id	IN: File, group, dataset, named datatype, or attribute identifier
<i>const char *</i> group_name	IN: Name of group for which information is to be retrieved
<i>H5G_info_t *</i> group_info	OUT: Struct in which group information is returned
<i>hid_t</i> lapl_id	IN: Link access property list

Description:

H5G_GET_INFO_BY_NAME retrieves information about the group `group_name` specified by `loc_id`. The information is returned in the `group_info` struct.

If `loc_id` specifies the group for which information is queried, `group_name` can be a dot (.).

`group_info` is an *H5G_info_t* struct and is defined (in `H5Gpublic.h`) as follows:

<i>H5G_storage_type_t</i> storage_type	Type of storage for links in group H5G_STORAGE_TYPE_COMPACT: Compact storage H5G_STORAGE_TYPE_DENSE: Dense storage H5G_STORAGE_TYPE_SYMBOL_TABLE: Symbol tables, the original HDF5 structure
<i>hsize_t</i> nlinks	Number of links in group
<i>int64_t</i> max_corder	Current maximum creation order value for group
<i>hbool_t</i> mounted	Whether the group has a file mounted on it

Returns:

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

Example:

Coming soon!

History:

Release	Change
1.8.2	Added 'mounted' field.
1.8.0	Function introduced in this release.

--- Last Modified: April 25, 2019 | 11:15 AM