

H5G_GET_INFO

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H5G_GET_INFO

Retrieves information about a group

Procedure:

H5G_GET_INFO(group_id, group_info)

Signature:

```
herr_t H5Gget_info( hid_t group_id, H5G_info_t *group_info )
```

```

SUBROUTINE h5gget_info_f(group_id, storage_type, nlinks, max_corder, hdferr, &
                        mounted)

  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: group_id
  ! Group identifier
  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
  LOGICAL, INTENT(OUT), OPTIONAL :: mounted
  ! Whether group has a file mounted on it

END SUBROUTINE h5gget_info_f

```

Parameters:

<i>hid_t</i> loc_id	IN: File, group, dataset, named datatype or attribute identifier
<i>H5G_info_t</i> *group_info	OUT: Struct in which group information is returned

Description:

H5G_GET_INFO retrieves information about the group at location specified by *loc_id*. The information is returned in the *group_info* struct.

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: Indexed 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.

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