

H5F_SET_DSET_NO_ATTRS_HINT

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H5F_SET_DSET_NO_ATTRS_HINT

Sets the flag to create minimized dataset object headers

Procedure:

H5F_SET_DSET_NO_ATTRS_HINT (file_id, minimize)

Signature:

```
herr_t H5Fset_dset_no_attrs_hint(hid_t file_id, hbool_t minimize)
```

Fortran Interface:

```
SUBROUTINE h5fset_dset_no_attrs_hint_f(file_id, minimize, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T) , INTENT(IN)           :: file_id
  LOGICAL        , INTENT(IN)           :: minimize
  INTEGER        , INTENT(OUT)          :: hdferr

END SUBROUTINE h5fset_dset_no_attrs_hint_f
```

Parameters:

<i>hid_t</i> file_id	IN: File identifier (from H5F_OPEN or H5F_CREATE)
<i>hbool_t</i> minimize	IN: Flag indicating whether the library will or will not create minimized dataset object headers

Description:

H5F_SET_DSET_NO_ATTRS_HINT sets the *no dataset attributes hint* setting for the file specified by the file identifier `file_id`. If the boolean flag `minimize` is set to TRUE, then the library will create minimized dataset object headers in the file. **All** files that refer to the same file-on-disk will be affected by the most recent setting, regardless of the file identifier/handle (e.g., as returned by [H5F_OPEN](#)). By setting the `minimize` flag to TRUE, the library expects that no attributes will be added to the dataset -- attributes can be added, but they are appended with a continuation message, which can reduce performance.

This setting interacts with [H5P_SET_DSET_NO_ATTRS_HINT](#): if **either** is set to TRUE, then the created dataset's object header will be minimized.

Returns:

Non-negative value (SUCCEED) if successful. Negative (FAIL) on failure.

Example:

```
hid_t  fid_1, fid_2;
hbool_t set;

fid_1 = H5Fcreate("myfile", H5F_ACC_TRUNCATE, H5P_DEFAULT, H5P_DEFAULT);
assert(fid_1 != H5I_INVALID_FILE_ID);

/* Open second file ID referring to same actual file */
fid_2 = H5Fopen("myfile", H5F_ACC_RDWR, H5P_DEFAULT);
assert(fid_2 != H5I_INVALID_FILE_ID);

/* Get default value from ID 1 */
assert(H5Fget_dset_no_attrs_hint(fid_1, &set) == SUCCEED);
assert(set == FALSE);

/* Change setting with ID 2 */
assert(H5Fset_dset_no_attrs_hint(fid_2, TRUE) == SUCCEED);

/* Re-check value with ID 1 */
assert(H5Fget_dset_no_attrs_hint(fid_1, &set) == SUCCEED);
assert(set == TRUE);
```

History:

Release	Change
1.10.5	Function introduced.

--- Last Modified: February 05, 2019 | 12:12 PM