

# H5F\_SET\_LIBVER\_BOUNDS

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# H5F\_SET\_LIBVER\_BOUNDS

Enables the switch of version bounds setting for a file

## Procedure:

H5F\_SET\_LIBVER\_BOUNDS (file\_id, low, high)

## Signature:

```
herr_t H5Fset_libver_bounds(  
    hid_t file_id,  
    H5F_libver_t low,  
    H5F_libver_t high  
)
```

## Parameters:

<i>hid_t</i> file_id	IN: A file identifier
<i>H5F_libver_t</i> low	IN: The earliest version of the library that will be used for writing objects
<i>H5F_libver_t</i> high	IN: The latest version of the library that will be used for writing objects

## Description:

H5F\_SET\_LIBVER\_BOUNDS enables the switch of version bounds setting for an open file associated with `file_id`.

For the parameters `low` and `high`, see the description for [H5P\\_SET\\_LIBVER\\_BOUNDS](#).

#### Returns:

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

#### Example:

```
/*
 * Create a file with fapl setting (A): (H5F_LIBVER_EARLIEST, H5F_LIBVER_V18).
 * Create a chunked dataset in the file with "no filter edge chunks", which
 * is introduced in library release 1.10.
 * The first attempt to create the dataset should fail with fapl setting (A).
 * Switch the fapl setting to (B): (H5F_LIBVER_EARLIEST, H5F_LIBVER_LATEST).
 * The second attempt to create the dataset should succeed with fapl setting (B).
 */
/* Create a file access property list */
fapl = H5Pcreate(H5P_FILE_ACCESS);
/* Set the fapl */
H5Pset_libver_bounds(fapl, H5F_LIBVER_EARLIEST, H5F_LIBVER_V18);
/* Create a file with this fapl */
fid = H5Fcreate(FILE8, H5F_ACC_TRUNC, H5P_DEFAULT, fapl);
/* Set up to create a chunked dataset with "no filter edge chunks" enabled */
sid = H5Screate_simple(2, fix_dims2, NULL);
dcpl = H5Pcreate(H5P_DATASET_CREATE);
H5Pset_chunk(dcpl, 2, fix_chunks2);
H5Pset_chunk_opts(dcpl, H5D_CHUNK_DONT_FILTER_PARTIAL_CHUNKS);

/* Should fail in creating the dataset */
did = H5Dcreate2(fid, "DSETA", H5T_NATIVE_INT, sid, H5P_DEFAULT, dcpl, H5P_DEFAULT);
:
:
/* Switch the fapl setting to (H5F_LIBVER_EARLIEST, H5F_LIBVER_LATEST) for this opened file. */
H5Fset_libver_bounds(fid, H5F_LIBVER_LATEST, H5F_LIBVER_LATEST);
/* Should succeed in creating the dataset */
did = H5Dcreate2(fid, "DSETA", H5T_NATIVE_INT, sid, H5P_DEFAULT, dcpl, H5P_DEFAULT);
:
```

#### History:

Release	Change
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1.10.2

Function introduced in this release.

--- Last Modified: December 20, 2018 | 12:26 PM