

H5P_GET_LIBVER_BOUNDS

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H5P_GET_LIBVER_BOUNDS

Retrieves library version bounds settings that indirectly control the format versions used when creating objects

Procedure:

H5P_GET_LIBVER_BOUNDS (fapl_id, low, high)

Signature:

```
herr_t H5Pget_libver_bounds(  
    hid_t fapl_id,  
    H5F_libver_t *low,  
    H5F_libver_t *high  
)
```

Parameters:

<i>hid_t</i> fapl_id	IN: File access property list identifier
<i>H5F_libver_t</i> *low	OUT: The earliest version of the library that will be used for writing objects
<i>H5F_libver_t</i> *high	OUT: The latest version of the library that will be used for writing objects

Description:

H5P_GET_LIBVER_BOUNDS retrieves the lower and upper bounds on the HDF5 library release versions that indirectly determine the object format versions used when creating objects in the file.

This property is retrieved from the file access property list specified by the parameter `fapl_id`.

The value returned in the parameters `low` and `high` is one of the enumerated values in the `H5F_libver_t struct`, which is defined in `H5Fpublic.h`:

```
typedef enum H5F_libver_t {  
    H5F_LIBVER_EARLIEST,  
    H5F_LIBVER_V18 = 1,  
    H5F_LIBVER_V110 = 2,  
    H5F_LIBVER_NBOUNDS  
} H5F_libver_t;
```

Returns:

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

Example:

```
/* Create a file with default fapl setting */  
fid = H5Fcreate(FILE8, H5F_ACC_TRUNC, H5P_DEFAULT, H5P_DEFAULT);  
/* Get the file's file access property list */  
fid_fapl = H5Fget_access_plist(fid);  
/* Retrieve the low/high bounds from the file's fapl */  
ret = H5Pget_libver_bounds(fid_fapl, &low, &high);  
/* The low and high values retrieved will be H5F_LIBVER_EARLIEST and H5F_LIBVER_LATEST respectively */  
:  
:  
:
```

History:

Release	Changes
1.10.2	Add <code>H5F_LIBVER_V18</code> to the enumerated defines in <code>H5F_libver_t</code>
1.8.0	Function introduced in this release.