

H5P_SET_ATTR_CREATION_ORDER

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H5P_SET_ATTR_CREATION_ORDER

Sets tracking and indexing of attribute creation order

Procedure:

H5P_SET_ATTR_CREATION_ORDER (ocpl_id, crt_order_flags)

Signature:

```
herr_t H5Pset_attr_creation_order(  
    hid_t ocpl_id,  
    unsigned crt_order_flags  
)
```

Fortran90 Interface: h5pset_attr_creation_order_f

```
SUBROUTINE h5pset_attr_creation_order_f(ocpl_id, crt_order_flags, hdferr)  
    IMPLICIT NONE  
    INTEGER(HID_T), INTENT(IN) :: ocpl_id      ! Object (dataset or group) creation  
                                                ! property list identifier  
    INTEGER, INTENT(IN) :: crt_order_flags    ! Flags specifying whether to track  
                                                ! and index attribute creation order  
    INTEGER, INTENT(OUT) :: hdferr           ! Error code  
                                                ! 0 on success and -1 on failure  
END SUBROUTINE h5pset_attr_creation_order_f
```

Parameters:

| | |
|---------------------------------------|--|
| <code>hid_t ocpl_id</code> | IN: Object creation property list identifier |
| <code>unsigned crt_order_flags</code> | IN: Flags specifying whether to track and index attribute creation order <i>Default: No flag set; attribute creation order is neither tracked nor indexed</i> |

Description:

H5P_SET_ATTR_CREATION_ORDER sets flags for tracking and indexing attribute creation order on an object. `ocpl_id` is a dataset or group creation property list identifier. The term `ocpl`, for object creation property list, is used when more than one type of object may be involved.

`crt_order_flags` contains flags with the following meanings:

| | |
|-----------------------|--|
| H5P_CRT_ORDER_TRACKED | Attribute creation order is tracked but not necessarily indexed |
| H5P_CRT_ORDER_INDEXED | Attribute creation order is indexed (requires H5P_CRT_ORDER_TRACKED) |

Default behavior is that attribute creation order is neither tracked nor indexed.

H5P_SET_ATTR_CREATION_ORDER can be used to set attribute creation order tracking, or to set attribute creation order tracking and indexing.

Note that if a creation order index is to be built, it must be specified in the object creation property list. HDF5 currently provides no mechanism to turn on attribute creation order tracking at object creation time and to build the index later.

Returns:

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

Example:

Coming Soon!

History:

| Release | Change |
|---------|--------------------------------------|
| 1.8.0 | Function introduced in this release. |