

# 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:

<i>hid_t</i> ocpl_id	IN: Object creation property list identifier
<i>unsigned</i> crt_order_flags	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.