

H5P_SET_LINK_PHASE_CHANGE

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H5P_SET_LINK_PHASE_CHANGE

Sets the parameters for conversion between compact and dense groups

Procedure:

H5P_SET_LINK_PHASE_CHANGE (gcpl_id, max_compact, min_dense)

Signature:

```
herr_t H5Pset_link_phase_change(  
    hid_t gcpl_id,  
    unsigned max_compact,  
    unsigned min_dense  
)
```

Fortran90 Interface: h5pset_link_phase_change_f

```
SUBROUTINE h5pset_link_phase_change_f(gcpl_id, max_compact, min_dense, hdferr)  
    IMPLICIT NONE  
    INTEGER(HID_T), INTENT(IN) :: gcpl_id ! Group creation property list id  
    INTEGER, INTENT(IN) :: max_compact ! Maximum number of attributes to be  
    ! stored in compact storage  
    INTEGER, INTENT(IN) :: min_dense ! Minimum number of attributes to be  
    ! stored in dense storage  
    INTEGER, INTENT(OUT) :: hdferr ! Error code  
    ! 0 on success and -1 on failure  
END SUBROUTINE h5pset_link_phase_change_f
```

Parameters:

<i>hid_t</i> gcpl_id	IN: Group creation property list identifier
<i>unsigned</i> max_compact	IN: Maximum number of links for compact storage (Default: 8)
<i>unsigned</i> min_dense	IN: Minimum number of links for dense storage (Default: 6)

Description:

H5P_SET_LINK_PHASE_CHANGE sets the maximum number of entries for a *compact* group and the minimum number of links to allow before converting a *dense* group to back to the compact format.

max_compact is the maximum number of links to store as header messages in the group header as before converting the group to the dense format. Groups that are in compact format and in which the exceed this number of links rises above this threshold are automatically converted to dense format.

min_dense is the minimum number of links to store in the dense format. Groups which are in dense format and in which the number of links falls below this threshold are automatically converted to compact format.

See [Group implementations in HDF5](#) in the H5G API introduction for a discussion of the available types of HDF5 group structures.

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.