H5P_GET_NFILTERS

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H5P_GET_NFILTERS

Returns the number of filters in the pipeline

Procedure:

H5P_GET_NFILTERS (plist)

Signature:

```
int H5Pget_nfilters(hid_t plist)
```

```
Fortran90 Interface: h5pget_nfilters_f

SUBROUTINE h5pget_nfilters_f(prp_id, nfilters, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: prp_id   ! Dataset creation property
                                         ! list identifier
  INTEGER, INTENT(OUT) :: nfilters       ! The number of filters in
                                         ! the pipeline
  INTEGER, INTENT(OUT)       :: hdferr   ! Error code
                                         ! 0 on success and -1 on failure
END SUBROUTINE h5pget_nfilters_f
```

Parameters:

hid_t `plist` IN: Property list identifier

Description:

H5P_GET_NFILTERS returns the number of filters defined in the filter pipeline associated with the property list `plist`.

In each pipeline, the filters are numbered from 0 through *N*-1, where *N* is the value returned by this function. During output to the file, the filters are applied in increasing order; during input from the file, they are applied in decreasing order.

H5P_GET_NFILTERS returns the number of filters in the pipeline, including zero (`0`) if there are none.

Returns:

Returns the number of filters in the pipeline if successful; otherwise returns a negative value.

Example:

examples / h5_cmprss.c [93:96] 1.10/master HDFFV/hdf5

```
/* Retrieve filter information. */
    plist_id = H5Dget_create_plist (dataset_id);

    numfilt = H5Pget_nfilters (plist_id);
```

fortran / examples / h5_cmprss.f90 [103:105] 1.10/master HDFFV/hdf5

```
CALL h5dget_create_plist_f(dataset_id, plist_id, error)

  CALL h5pget_nfilters_f(plist_id, numfilt, error)
```

History:

--- Last Modified: August 07, 2019 | 11:40 AM