

H5P_GET_DATA_TRANSFORM

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H5P_GET_DATA_TRANSFORM

Retrieves a data transform expression

Procedure:

H5P_GET_DATA_TRANSFORM (plist_id, expression, size)

Signature:

```
ssize_t H5Pget_data_transform  
      (hid_t plist_id,  
       char *expression,  
       size_t size)
```

Parameters:

<i>hid_t</i> plist_id	IN: Identifier of the property list or class
<i>char</i> *expression	OUT: Pointer to memory where the transform expression will be copied
<i>size_t</i> size	IN: Number of bytes of the transform expression to copy to

Description:

H5P_GET_DATA_TRANSFORM retrieves the data transform expression previously set in the dataset transfer property list `plist_id` by `H5P_S`

ET_DATA_TRANSFORM.

H5P_GET_DATA_TRANSFORM can be used to both retrieve the transform expression and to query its size.

If `expression` is non-NULL, up to `size` bytes of the data transform expression are written to the buffer. If `expression` is NULL, `size` is ignored and the function does not write anything to the buffer. The function always returns the size of the data transform expression.

If 0 is returned for the size of the expression, no data transform expression exists for the property list.

If an error occurs, the buffer pointed to by `expression` is unchanged and the function returns a negative value.

Returns:

Success: size of the transform expression

Failure: a negative value

Example:

examples / h5_dtransform.c [167:171]

1.10/master

HDF5V/hdf5

```
transform_size = H5Pget_data_transform(dxpl_id_f_to_c, NULL, 0);
transform = (char*) malloc(transform_size+1);
H5Pget_data_transform(dxpl_id_f_to_c, transform, transform_size+1);

printf("\nTransform string (from dxpl_id_f_to_c) is: %s\n", transform);
```

History:

Release	Change
1.8.0	Function introduced in this release.

--- Last Modified: August 09, 2019 | 11:48 AM