

H5P_GET_VIRTUAL_COUNT

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H5P_GET_VIRTUAL_COUNT

Gets the number of mappings for the virtual dataset

Procedure:

H5P_GET_VIRTUAL_COUNT (dcpl_id, count)

Signature:

```
herr_t H5Pget_virtual_count(  
    hid_t dcpl_id,  
    size_t *count  
)
```

Fortran Interface: h5pget_virtual_count_f

Signature:

```
SUBROUTINE h5pget_virtual_count_f(dcpl_id, count, hdferr)  
    INTEGER(HID_T), INTENT(IN)    :: dcpl_id  
    INTEGER(SIZE_T), INTENT(OUT)  :: count  
    INTEGER, INTENT(OUT)          :: hdferr
```

Inputs:

dcpl_id - The identifier of the virtual dataset creation property list.

Outputs:

count - The number of mappings.
hdferr - Returns 0 if successful and -1 if fails

Parameters:

<code>hid_t dcpl_id</code>	IN: The identifier of the virtual dataset creation property list
<code>size_t *count</code>	OUT: The number of mappings

Description:

`H5P_GET_VIRTUAL_COUNT` gets the number of mappings for a virtual dataset that has the creation property list specified by `dcpl_id`.

See Also:

[Virtual Dataset Overview](#)

Supporting Functions:

- `H5P_SET_LAYOUT`
- `H5P_GET_LAYOUT`
- `H5S_IS_REGULAR_HYPERSLAB`
- `H5S_GET_REGULAR_HYPERSLAB`
- `H5S_SELECT_HYPERSLAB`

VDS Functions:

- `H5P_GET_VIRTUAL_COUNT`
- `H5P_GET_VIRTUAL_DSETNAME`
- `H5P_GET_VIRTUAL_FILENAME`
- `H5P_GET_VIRTUAL_PREFIX`
- `H5P_GET_VIRTUAL_PRINTF_GAP`
- `H5P_GET_VIRTUAL_SRCSPACE`
- `H5P_GET_VIRTUAL_VIEW`
- `H5P_GET_VIRTUAL_VSPACE`
- `H5P_SET_VIRTUAL`
- `H5P_SET_VIRTUAL_PREFIX`
- `H5P_SET_VIRTUAL_PRINTF_GAP`
- `H5P_SET_VIRTUAL_VIEW`

Returns:

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

Example:

```
examples / h5_vds.c [174:180]
```

```
1.10/master HDF5/hdf5
```

```
/*  
 * Find the number of mappings.  
 */  
status = H5Pget_virtual_count (dcpl, &num_map);  
printf(" Number of mappings is %lu\n", (unsigned long)num_map);
```

History:

Release	Change
1.10.0	C function introduced with this release.

--- Last Modified: August 08, 2019 | 02:36 PM