

H5P_GET_VIRTUAL_VSPACE

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H5P_GET_VIRTUAL_VSPACE

Gets a dataspace identifier for the selection within the virtual dataset used in the mapping

Procedure:

H5P_GET_VIRTUAL_VSPACE (dcpl_id, index)

Signature:

```
hid_t H5Pget_virtual_vspace(  
    hid_t dcpl_id,  
    size_t index  
)
```

Fortran Interface: h5pget_virtual_vspace_f

Signature:

```
SUBROUTINE h5pget_virtual_vspace_f(dcpl_id, index, ds_id, hdferr)
  INTEGER(HID_T) , INTENT(IN)  :: dcpl_id
  INTEGER(SIZE_T), INTENT(IN)  :: index
  INTEGER(HID_T) , INTENT(OUT) :: ds_id
  INTEGER, INTENT(OUT)         :: hdferr
```

Inputs:

dcpl_id - The identifier of the virtual dataset creation property list.
index - Mapping index.
The value of index is 0 (zero) or greater and less than count (0 index < count), where count is the number of mappings returned by h5pget_virtual_count.

Outputs:

hdferr - Returns 0 if successful and -1 if fails.

Parameters:

<i>hid_t</i> dcpl_id	IN: The identifier of the virtual dataset creation property list
<i>size_t</i> index	IN: Mapping index The value of index is 0 (zero) or greater and less than <i>count</i> (0 index < <i>count</i>), where <i>count</i> is the number of mappings returned by H5P_GET_VIRTUAL_COUNT.

Description:

H5P_GET_VIRTUAL_VSPACE takes the dataset creation property list for the virtual dataset, dcpl_id, and the mapping index, index, and returns a dataspace identifier for the selection within the virtual dataset used in the mapping.

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 valid dataspace identifier if successful; otherwise returns a negative value.

Example:

```
examples / h5_vds.c [187:188]
```

```
1.10/master
```

```
HDFV/hdf5
```

```
/* Get selection in the virtual dataset */  
vspace = H5Pget_virtual_vspace (dcpl, (size_t)i);
```

History:

Release	Change
1.10.0	C function introduced with this release.

--- Last Modified: August 08, 2019 | 02:42 PM