

# H5P\_GET\_FAPL\_DIRECT

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# H5P\_GET\_FAPL\_DIRECT

Retrieves direct I/O driver settings

## Procedure:

H5P\_GET\_FAPL\_DIRECT ( fapl\_id, alignment, block\_size, cbuf\_size )

## Signature:

```
herr_t H5Pget_fapl_direct(  
    hid_t fapl_id,  
    size_t *alignment,  
    size_t *block_size,  
    size_t *cbuf_size  
)
```

```

Fortran90 Interface: H5Pget_fapl_direct_f

SUBROUTINE H5Pget_fapl_direct_f(fapl_id, alignment, block_size, cbuf_size, &
                               hdferr)

  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: fapl_id ! File access property list identifier
  INTEGER(SIZE_T), INTENT(OUT) :: alignment
                                     ! Required memory alignment boundary!
  INTEGER(SIZE_T), INTENT(OUT) :: block_size
                                     ! File system block size
  INTEGER(SIZE_T), INTENT(OUT) :: cbuf_size
                                     ! Copy buffer size
  INTEGER, INTENT(OUT) :: hdferr      ! Error code
                                     ! 0 on success and -1 on failure
END SUBROUTINE H5Pget_fapl_direct_f

```

**Parameters:**

<i>hid_t</i> fapl_id	IN: File access property list identifier
<i>size_t</i> *alignment	OUT: Required memory alignment boundary
<i>size_t</i> *block_size	OUT: File system block size
<i>size_t</i> *cbuf_size	OUT: Copy buffer size

**Description:**

H5P\_GET\_FAPL\_DIRECT retrieves the required memory alignment (*alignment*), file system block size (*block\_size*), and copy buffer size (*cbuf\_size*) settings for the direct I/O driver, H5FD\_DIRECT, from the file access property list *fapl\_id*.

See H5P\_SET\_FAPL\_DIRECT for discussion of these values, requirements, and important considerations.

**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.