

H5F_GET_FILESIZE

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H5F_GET_FILESIZE

Returns the size of an HDF5 file

Procedure:

H5F_GET_FILESIZE(file_id, size)

Signature:

```
herr_t H5Fget_filesize( hid_t file_id, hsize_t *size )
```

```
SUBROUTINE h5fget_filesize_f(file_id, size, hdferr)
```

```
    IMPLICIT NONE
    INTEGER(HID_T), INTENT(IN) :: file_id      ! file identifier
    INTEGER(HSIZE_T), INTENT(OUT) :: size      ! Size of the file
    INTEGER, INTENT(OUT) :: hdferr            ! Error code: 0 on success,
                                              ! -1 if fail
END SUBROUTINE h5fget_filesize_f
```

Parameters:

<i>hid_t</i> file_id	IN: Identifier of a currently-open HDF5 file
<i>hsize_t</i> *size	OUT: Size of the file, in bytes

Description:

H5F_GET_FILESIZE returns the size of the HDF5 file specified by `file_id`.

The returned size is that of the entire file, as opposed to only the HDF5 portion of the file. I.e., `size` includes the user block, if any, the HDF5 portion of the file, and any data that may have been appended beyond the data written through the HDF5 library.

Returns:

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

Example:

```
1_10 / C / H5G / h5ex_g_compact.c [61:65] master H5FFV/hdf5-e
examples
/*
 * Obtain and print the file size.
 */
status = H5Fget_filesize (file, &size);
printf ("File size for %s is: %d bytes\n\n", FILE1, (int)size);
```

```
1_10 / FORTRAN / H5G / h5ex_g_compact.f90 [62:65] master HD
FFV/hdf5-examples
! Obtain and print the file size.
!
CALL h5fget_filesize_f(file, size, hdferr)
WRITE(*,('File size for ",A," is: ",i6," bytes",/)) filename1, size
```

History:

Release	Change
1.6.3	Function introduced in this release. Fortran subroutine introduced in this release.