H5A_GET_TYPE

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H5A_GET_TYPE

Gets an attribute datatype

Procedure:

H5A_GET_TYPE (attr_id)

Signature:

```
hid_t H5Aget_type(hid_t attr_id)


Fortran90 Interface: h5aget_type_f

SUBROUTINE h5aget_type_f(attr_id, type_id, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: attr_id  ! Attribute identifier
  INTEGER(HID_T), INTENT(OUT) :: type_id ! Attribute datatype identifier
  INTEGER, INTENT(OUT) :: hdferr         ! Error code:
                                         ! 0 on success and -1 on failure
END SUBROUTINE h5aget_type_f
```

Parameters:

hid_t `attr_id` IN: Identifier of an attribute

Description:

H5A_GET_TYPE retrieves a copy of the datatype for an attribute.

The datatype is reopened if it is a named type before returning it to the application. The datatypes returned by this function are always read-only. If an error occurs when atomizing the return datatype, then the datatype is closed.

The datatype identifier returned from this function must be released with H5T_CLOSE or resource leaks will develop.

Returns:

Returns a datatype identifier if successful; otherwise returns a negative value.

Example:

1_10 / C / H5T / h5ex_t_opaqueatt.c [107:108] master HDFFV/hdf5-examples

```
*/
    dtype = H5Aget_type (attr);
```

1_10 / FORTRAN / H5T / h5ex_t_opaqueatt_F03.f90 [96:98] master HDFFV/hdf5-examples

```
! Get datatype and properties for the datatype.
  !
  CALL h5aget_type_f(attr, dtype, hdferr)
```

History:

None

--- Last Modified: April 10, 2018 | 02:29 PM