

H5D_GET_TYPE

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H5D_GET_TYPE

Returns an identifier for a copy of the datatype for a dataset

Procedure:

H5D_GET_TYPE(dataset_id)

Signature:

```
hid_t H5Dget_type(hid_t dataset_id )
```

```
SUBROUTINE h5dget_type_f(dataset_id, datatype_id, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: dataset_id      ! Dataset identifier
  INTEGER(HID_T), INTENT(OUT) :: datatype_id    ! Datatype identifier
  INTEGER, INTENT(OUT) :: hdferr                ! Error code
                                              ! 0 on success and -1 on failure
END SUBROUTINE h5dget_type_f
```

Parameters:

<i>hid_t</i> dataset_id	IN: Identifier of the dataset to query
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Description:

H5D_GET_TYPE returns an identifier for a copy of the datatype for a dataset. The datatype should be released with the H5T_CLOSE function.

If a dataset has a named datatype, then an identifier to the opened datatype is returned. Otherwise, the returned datatype is read-only. If atomization of the datatype fails, then the datatype is closed.

A datatype identifier returned from this function should be released with H5T_CLOSE when the identifier is no longer needed so that resource leaks will not occur.

Returns:

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

Example:

Coming Soon!

--- Last Modified: April 13, 2018 | 09:37 AM