

H5D_OPEN2

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H5D_OPEN2

Opens an existing dataset

Procedure:

H5D_OPEN2(loc_id, name, dapl_id)

Signature:

```
hid_t H5Dopen2( hid_t loc_id, const char *name, hid_t dapl_id )
```

```
SUBROUTINE h5dopen_f(loc_id, name, dset_id, hdferr, dapl_id)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: loc_id    ! File or group identifier
  CHARACTER(LEN=*), INTENT(IN) :: name    ! Name of the dataset
  INTEGER(HID_T), INTENT(OUT) :: dset_id  ! Dataset identifier
  INTEGER, INTENT(OUT) :: hdferr          ! Error code:
                                           ! 0 on success and -1 on failure
  INTEGER(HID_T), OPTIONAL, INTENT(IN) :: dapl_id
                                           ! Dataset access property list
END SUBROUTINE h5dopen_f
```

Parameters:

<i>hid_t</i> loc_id	IN: Location identifier; may be a file, group, named datatype, dataset, or attribute
<i>const char</i> *name	IN: Dataset name
<i>hid_t</i> dapl_id	IN: Dataset access property list

Description:

H5D_OPEN2 opens the existing dataset specified by a location identifier and name, loc_id and name, respectively. loc_id may be a file, group, dataset, named datatype or attribute. If an attribute, dataset, or named datatype is specified for loc_id then the dataset will be opened at the location where the attribute, dataset, or named datatype is attached.

The dataset access property list, dapl_id, provides information regarding access to the dataset.

To conserve and release resources, the dataset should be closed when access is no longer required.

Returns:

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

Example:

Coming Soon!

History:

Release	Change
1.8.0	Function introduced in this release.