H5T_ENUM_VALUEOF

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H5T_ENUM_VALUEOF

Returns the value corresponding to a specified member of an enumeration datatype

Procedure:

H5T_ENUM_VALUEOF (dtype_id, name, value)

Signature:

```
herr_t H5Tenum_valueof( hid_t dtype_id, char *name, void *value )
```

```
SUBROUTINE h5tenum_valueof_f(type_id,  name, value, hdferr)
  IMPLICIT NONE
  INTEGER(HID_T), INTENT(IN) :: type_id ! Datatype identifier
  CHARACTER(LEN=*), INTENT(IN) :: name  ! Name of the enumeration datatype
  INTEGER, INTENT(OUT) :: value         ! Value of the enumeration datatype
  INTEGER, INTENT(OUT) :: hdferr        ! Error code
END SUBROUTINE h5tenum_valueof_f
```

Parameters:

hid_t `dtype_id`	IN: Enumeration datatype identifier
const char *`name`	IN: Symbol name of the enumeration datatype
void *`value`	OUT: Buffer for output of the value of the enumeration datatype

Description:

H5T_ENUM_VALUEOF finds the value that corresponds to the specified `name` of the enumeration datatype `dtype_id`.

Values returned in `value` will be of the enumerated type's base type, that is, the datatype used by H5T_ENUM_CREATE when the enumerated type was created.

The `value` buffer must be at least large enough to hold a value of that base type. If the size is unknown, you can determine it with H5T_GET_SIZE, `H5Tget_size(dtype_id)`, where `dtype_id` is set to the base type.

Returns:

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

Example:

Coming Soon!

--- Last Modified: May 16, 2019 | 08:58 AM