

# H5P\_SET\_CHAR\_ENCODING

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# H5P\_SET\_CHAR\_ENCODING

Sets the character encoding used to encode link and attribute names

## Procedure:

H5P\_SET\_CHAR\_ENCODING ( plist\_id, encoding )

## Signature:

```
herr_t H5Pset_char_encoding(  
    hid_t plist_id,  
    H5T_cset_t encoding  
)
```

Fortran90 Interface: h5set\_char\_encoding\_f

```
SUBROUTINE h5pset_char_encoding_f(plist_id, encoding, hdferr)  
  IMPLICIT NONE  
  INTEGER(HID_T), INTENT(IN) :: plist_id  
                                ! Property list identifier  
  INTEGER, INTENT(IN) :: encoding ! String encoding character set:  
                                !   H5T_CSET_ASCII_F -> US ASCII  
                                !   H5T_CSET_UTF8_F -> UTF-8 Unicode encoding  
  INTEGER, INTENT(OUT) :: hdferr ! Error code  
                                ! 0 on success and -1 on failure  
END SUBROUTINE h5pset_char_encoding_f
```

## Parameters:

<i>hid_t</i> plist_id	IN: Link creation or attribute creation property list identifier
<i>H5T_cset_t</i> encoding	IN: String encoding character set

## Description:

`H5P_SET_CHAR_ENCODING` sets the character encoding used for the names of links (which provide the names by which objects are referenced) or attributes created with the property list `plist_id`.

Valid values for `encoding` include the following:

<code>H5T_CSET_ASCII</code>	US ASCII
<code>H5T_CSET_UTF8</code>	UTF-8 Unicode

For example, if the character set for the property list `plist_id` is set to `H5T_CSET_UTF8`, link names pointing to objects created with the link creation property list `plist_id` will be encoded using the UTF-8 character set. Similarly, names of attributes created with the attribute creation property list `plist_id` will be encoded as UTF-8.

ASCII and UTF-8 Unicode are the only currently supported character encodings. Extended ASCII encodings (for example, ISO 8859) are not supported. This encoding policy is not enforced by the HDF5 library. Using encodings other than ASCII and UTF-8 can lead to compatibility and usability problems.

Note that `H5P_SET_CHAR_ENCODING` sets the character set used for an HDF5 link or attribute name while `H5T_SET_CSET` sets the character set used in a character or string datatype.

## See Also:

[Using UTF-8 Encoding in HDF5 Applications](#)

## Returns:

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

## Example:

Coming Soon!

## History:

Release	Change
1.8.0	Function introduced in this release.

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