

H5LT_TEXT_TO_DTYPE

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H5LT_TEXT_TO_DTYPE

Creates an HDF5 datatype given a text description.

Procedure:

H5LT_TEXT_TO_DTYPE(text, lang_type)

Signature:

```
hid_t H5LTtext_to_dtype( const char *text, H5LT_lang_t lang_type)
```

Parameters:

<code>const char *str</code>	IN: A character string containing a DDL definition of the datatype to be created.
<code>H5LT_lang_t lang_type</code>	IN: The language used to describe the datatype. The only currently supported language is <code>H5LT_DDL</code> .

Description:

Given a text description of a datatype, this function creates an HDF5 datatype and returns the datatype identifier. The text description of the datatype has to comply with the `lang_type` definition of HDF5 datatypes. Currently, only the DDL(`H5LT_DDL`) is supported. The complete DDL definition of HDF5 datatypes can be found in the last chapter of the *HDF5 User's Guide*.

An example of DDL definition of `enum` type is shown as follows.

```
"H5T_ENUM { H5T_NATIVE_INT;  
    "Bob"      0;  
    "Elena"    1;  
    "Quincey"  2;  
    "Frank"    3;    }"
```

Returns:

Returns the datatype identifier(non-negative) if successful; otherwise returns a negative value.

Example:

Coming Soon!

--- Last Modified: December 04, 2017 | 07:15 AM