

H5S_ENCODE

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H5S_ENCODE

Encodes a data space object description into a binary buffer

Signature:

```
herr_t H5Sencode ( hid_t obj_id, void *buf, size_t *nalloc )
```

```
herr_t H5Sencode ( hid_t obj_id, void *buf, size_t *nalloc, hid_t fapl_id )
```

Description:

H5S_ENCODE is a macro that is mapped to either [H5S_ENCODE1](#) or [H5S_ENCODE2](#), depending on the needs of the application.

Such macros are provided to facilitate application compatibility. Their use and mappings are fully described in [API Compatibility Macros in HDF5](#).

When both the HDF5 library and the application are built and installed with no specific compatibility flags, H5S_ENCODE is mapped to the most recent version of the function. If the library and/or application is compiled for Release 1.10 emulation, H5S_ENCODE will be mapped to [H5S_ENCODE1](#). Function-specific flags are available to override these settings on a function-by-function basis when the application is compiled.

Specific compile-time compatibility flags and the resulting mappings are as follows:

Compatibility setting	H5S_ENCODE mapping
Global settings:	
No compatibility flag	H5S_ENCODE2
Enable deprecated symbols	H5S_ENCODE2

Disable deprecated symbols	H5S_ENCODE2
Emulate Release 1.10 interface	H5S_ENCODE 1
Function-level macros:	
H5Sencode_vers = 2	H5S_ENCODE2
H5Sencode_vers = 1	H5S_ENCODE 1

Returns:

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

Example:

See [H5S_ENCODE2](#).

History:

Release	Change
1.12.0	<p>The function H5S_ENCODE was renamed to H5S_ENCODE1 and deprecated in this release.</p> <p>The macro H5S_ENCODE and the function H5S_ENCODE2 were introduced in this release.</p>