NAME

asn1_der_decoding2 - API function

SYNOPSIS

#include <libtasn1.h>

int asn1_der_decoding2(asn1_node * *element***, const void *** *ider***, int *** *max_ider_len***, unsigned int** *flags***, char *** *errorDescription***);**

ARGUMENTS

asn1_node * element

pointer to an ASN1 structure.

const void * ider

vector that contains the DER encoding.

int * max_ider_len

pointer to an integer giving the information about the maximal number of bytes occupied by * *ider* . The real size of the DER encoding is returned through this pointer.

unsigned int flags

flags controlling the behaviour of the function.

char * errorDescription

null-terminated string contains details when an error occurred.

DESCRIPTION

Fill the structure * *element* with values of a DER encoding string. The structure must just be created with function **asn1_create_element()**.

If **ASN1_DECODE_FLAG_ALLOW_PADDING** flag is set then the function will ignore padding after the decoded DER data. Upon a successful return the value of * *max_ider_len* will be set to the number of bytes decoded.

If **ASN1_DECODE_FLAG_STRICT_DER** flag is set then the function will not decode any BER-encoded elements.

RETURNS

ASN1_SUCCESS if DER encoding OK, **ASN1_ELEMENT_NOT_FOUND** if *ELEMENT* is **NULL**, and **ASN1_TAG_ERROR** or **ASN1_DER_ERROR** if the der encoding doesn’t match the structure name (* *ELEMENT* deleted).

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SEE ALSO

The full documentation for **libtasn1** is maintained as a Texinfo manual. If the **info** and **libtasn1** programs are properly installed at your site, the command

```
info libtasn1
```

should give you access to the complete manual. As an alternative you may obtain the manual from:

https://www.gnu.org/software/libtasn1/manual/