

NAME

asn1_der_decoding_startEnd – API function

SYNOPSIS

```
#include <libtasn1.h>
```

```
int asn1_der_decoding_startEnd(asn1_node element, const void * ider, int ider_len, const char *
name_element, int * start, int * end);
```

ARGUMENTS

asn1_node element

pointer to an ASN1 element

const void * ider

vector that contains the DER encoding.

int ider_len number of bytes of * ider : ider [0].. ider [len-1]

const char * name_element

an element of NAME structure.

int * start the position of the first byte of NAME_ELEMENT decoding (ider [*start])

int * end the position of the last byte of NAME_ELEMENT decoding (ider [*end])

DESCRIPTION

Find the start and end point of an element in a DER encoding string. I mean that if you have a der encoding and you have already used the function **asn1_der_decoding()** to fill a structure, it may happen that you want to find the piece of string concerning an element of the structure.

One example is the sequence "tbsCertificate" inside an X509 certificate.

Note that since libtasn1 3.7 the *ider* and *ider_len* parameters can be omitted, if the element is already decoded using **asn1_der_decoding()**.

RETURNS

ASN1_SUCCESS if DER encoding OK, **ASN1_ELEMENT_NOT_FOUND** if ELEMENT is **asn1_node** **EMPTY** or *name_element* is not a valid element, **ASN1_TAG_ERROR** or **ASN1_DER_ERROR** if the der encoding doesn't match the structure ELEMENT.

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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/
```