

NAME

asn1_parser2array – API function

SYNOPSIS

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

```
int asn1_parser2array(const char * inputFileName, const char * outputFileName, const char * vector-  
Name, char * error_desc);
```

ARGUMENTS

const char * inputFileName

specify the path and the name of file that contains ASN.1 declarations.

const char * outputFileName

specify the path and the name of file that will contain the C vector definition.

const char * vectorName

specify the name of the C vector.

char * error_desc

return the error description or an empty string if success.

DESCRIPTION

Function that generates a C structure from an ASN1 file. Creates a file containing a C vector to use to manage the definitions included in *inputFileName* file. If *inputFileName* is "/aa/bb/xx.yy" and *outputFileName* is **NULL**, the file created is "/aa/bb/xx_asn1_tab.c". If *vectorName* is **NULL** the vector name will be "xx_asn1_tab".

RETURNS

ASN1_SUCCESS if the file has a correct syntax and every identifier is known, **ASN1_FILE_NOT_FOUND** if an error occurred while opening *inputFileName*, **ASN1_SYNTAX_ERROR** if the syntax is not correct, **ASN1_IDENTIFIER_NOT_FOUND** if in the file there is an identifier that is not defined, **ASN1_NAME_TOO_LONG** if in the file there is an identifier with more than **ASN1_MAX_NAME_SIZE** characters.

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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/>