

NAME

asn1_parser2tree – API function

SYNOPSIS

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

```
int asn1_parser2tree(const char * file, asn1_node * definitions, char * error_desc);
```

ARGUMENTS

const char * file

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

asn1_node * definitions

return the pointer to the structure created from "file" ASN.1 declarations.

char * error_desc

return the error description or an empty string if success.

DESCRIPTION

Function used to start the parse algorithm. Creates the structures needed to manage the definitions included in *file* file.

RETURNS

ASN1_SUCCESS if the file has a correct syntax and every identifier is known, **ASN1_ELEMENT_NOT_EMPTY** if *definitions* not **NULL**, **ASN1_FILE_NOT_FOUND** if an error occurred while opening *file* , **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/>