

**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/>**