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Rocky Enterprise Linux 9.2 Manual Pages on command 'ASN1_STRING_TABLE.3oss'

\$ man ASN1_STRING_TABLE.3oss

ASN1_STRING_TABLE_ADD(3oss) OpenSSL ASN1_STRING_TABLE_ADD(3oss)

NAME

ASN1_STRING_TABLE, ASN1_STRING_TABLE_add, ASN1_STRING_TABLE_get,
ASN1_STRING_TABLE_cleanup - ASN1_STRING_TABLE manipulation functions

SYNOPSIS

```
#include <openssl/asn1.h>

typedef struct asn1_string_table_st ASN1_STRING_TABLE;

int ASN1_STRING_TABLE_add(int nid, long minsize, long maxsize,
                          unsigned long mask, unsigned long flags);

ASN1_STRING_TABLE *ASN1_STRING_TABLE_get(int nid);

void ASN1_STRING_TABLE_cleanup(void);
```

DESCRIPTION

Types

ASN1_STRING_TABLE is a table which holds string information (basically minimum size, maximum size, type and etc) for a NID object.

Functions

ASN1_STRING_TABLE_add() adds a new ASN1_STRING_TABLE item into the local ASN1 string table based on the nid along with other parameters.

If the item is already in the table, fields of `ASN1_STRING_TABLE` are updated (depending on the values of those parameters, e.g., `minsize` and `maxsize >= 0`, `mask` and `flags != 0`). If the `nid` is standard, a copy of the standard `ASN1_STRING_TABLE` is created and updated with other parameters.

`ASN1_STRING_TABLE_get()` searches for an `ASN1_STRING_TABLE` item based on `nid`. It will search the local table first, then the standard one.

`ASN1_STRING_TABLE_cleanup()` frees all `ASN1_STRING_TABLE` items added by `ASN1_STRING_TABLE_add()`.

RETURN VALUES

`ASN1_STRING_TABLE_add()` returns 1 on success, 0 if an error occurred.

`ASN1_STRING_TABLE_get()` returns a valid `ASN1_STRING_TABLE` structure or `NULL` if nothing is found.

`ASN1_STRING_TABLE_cleanup()` does not return a value.

SEE ALSO

`ERR_get_error(3)`

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