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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ASN1_STRING_TABLE.3ossl' command

\$ man ASN1_STRING_TABLE.3ossl

ASN1_STRING_TABLE_ADD(3ossl) OpenSSL ASN1_STRING_TABLE_ADD(3ossl)

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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3.0.7 2023-07-13 ASN1_STRING_TABLE_ADD(3ossl)