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

\$ man NCONF_new.3ossl

NCONF_NEW_EX(3ossl) OpenSSL NCONF_NEW_EX(3ossl)

NAME

NCONF_new_ex, NCONF_new, NCONF_free, NCONF_default, NCONF_load,
NCONF_get0_libctx, NCONF_get_section, NCONF_get_section_names -
functionality to Load and parse configuration files manually

SYNOPSIS

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

typedef struct {
    char *section;
    char *name;
    char *value;
} CONF_VALUE;

CONF *NCONF_new_ex(OSSL_LIB_CTX *libctx, CONF_METHOD *meth);
CONF *NCONF_new(CONF_METHOD *meth);
void NCONF_free(CONF *conf);
CONF_METHOD *NCONF_default(void);
int NCONF_load(CONF *conf, const char *file, long *eline);
OSSL_LIB_CTX *NCONF_get0_libctx(const CONF *conf);
STACK_OF(CONF_VALUE) *NCONF_get_section(const CONF *conf, const char *name);
STACK_OF(OPENSSSL_CSTRING) *NCONF_get_section_names(const CONF *conf);
```

DESCRIPTION

NCONF_new_ex() creates a new CONF object in heap memory and assigns to it a context libctx that can be used during loading. If the method

table meth is set to NULL then the default value of NCONF_default() is used.

NCONF_new() is similar to NCONF_new_ex() but sets the libctx to NULL.

NCONF_free() frees the data associated with conf and then frees the conf object.

NCONF_load() parses the file named filename and adds the values found to conf. If an error occurs file and eline list the file and line that the load failed on if they are not NULL.

NCONF_default() gets the default method table for processing a configuration file.

NCONF_get0_libctx() gets the library context associated with the conf parameter.

NCONF_get_section_names() gets the names of the sections associated with the conf as STACK_OF(OPENSSSL_CSTRING) strings. The individual strings are associated with the conf and will be invalid after conf is freed. The returned stack must be freed with sk_OPENSSSL_CSTRING_free().

NCONF_get_section() gets the config values associated with the conf from the config section name as STACK_OF(CONF_VALUE) structures. The returned stack is associated with the conf and will be invalid after conf is freed. It must not be freed by the caller.

RETURN VALUES

NCONF_load() returns 1 on success or 0 on error.

NCONF_new_ex() and NCONF_new() return a newly created CONF object or NULL if an error occurs.

SEE ALSO

CONF_modules_load_file(3),

HISTORY

NCONF_new_ex(), NCONF_get0_libctx(), and NCONF_get_section_names() were added in OpenSSL 3.0.

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