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Rocky Enterprise Linux 9.2 Manual Pages on command 'NCONF_new_ex.3oss1'

\$ man NCONF_new_ex.3oss1

NCONF_NEW_EX(3oss1) OpenSSL NCONF_NEW_EX(3oss1)

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_OPENSSL_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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