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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL\_CTX\_config.3ossl'***

***\$ man SSL\_CTX\_config.3ossl***

SSL\_CTX\_CONFIG(3ossl)            OpenSSL            SSL\_CTX\_CONFIG(3ossl)

#### NAME

SSL\_CTX\_config, SSL\_config - configure SSL\_CTX or SSL structure

#### SYNOPSIS

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

int SSL_CTX_config(SSL_CTX *ctx, const char *name);

int SSL_config(SSL *s, const char *name);
```

#### DESCRIPTION

The functions `SSL_CTX_config()` and `SSL_config()` configure an `SSL_CTX` or `SSL` structure using the configuration name.

By calling `SSL_CTX_config()` or `SSL_config()` an application can perform many complex tasks based on the contents of the configuration file: greatly simplifying application configuration code. A degree of future proofing can also be achieved: an application can support configuration features in newer versions of OpenSSL automatically.

A configuration file must have been previously loaded, for example using `CONF_modules_load_file()`. See `config(5)` for details of the configuration file syntax.

## RETURN VALUES

SSL\_CTX\_config() and SSL\_config() return 1 for success or 0 if an error occurred.

## EXAMPLES

If the file "config.cnf" contains the following:

```
testapp = test_sect
[test_sect]
# list of configuration modules
ssl_conf = ssl_sect
[ssl_sect]
server = server_section
[server_section]
RSA.Certificate = server-rsa.pem
ECDSA.Certificate = server-ecdsa.pem
Ciphers = ALL:!RC4
```

An application could call:

```
if (CONF_modules_load_file("config.cnf", "testapp", 0) <= 0) {
    fprintf(stderr, "Error processing config file\n");
    goto err;
}
ctx = SSL_CTX_new(TLS_server_method());
if (SSL_CTX_config(ctx, "server") == 0) {
    fprintf(stderr, "Error configuring server.\n");
    goto err;
}
```

In this example two certificates and the cipher list are configured without the need for any additional application code.

## SEE ALSO

ssl(7), config(5), SSL\_CONF\_cmd(3), CONF\_modules\_load\_file(3)

## HISTORY

The SSL\_CTX\_config() and SSL\_config() functions were added in OpenSSL

1.1.0.

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3.0.7                    2023-07-13            SSL\_CTX\_CONFIG(3ossl)