



Rocky Enterprise Linux 9.2 Manual Pages on command 'X509_load_http.3ossl'

\$ man X509_load_http.3ossl

X509_LOAD_HTTP(3ossl) OpenSSL X509_LOAD_HTTP(3ossl)

NAME

X509_load_http, X509_http_nbio, X509_CRL_load_http, X509_CRL_http_nbio

- certificate and CRL loading functions

SYNOPSIS

```
#include <openssl/x509.h>
```

```
X509 *X509_load_http(const char *url, BIO *bio, BIO *rbio, int timeout);
```

```
X509_CRL *X509_CRL_load_http(const char *url, BIO *bio, BIO *rbio, int timeout);
```

The following macros have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining OPENSSL_API_COMPAT with a suitable version value, see openssl_user_macros(7):

```
#define X509_http_nbio(rctx, pcert)
```

```
#define X509_CRL_http_nbio(rctx, pcr)
```

DESCRIPTION

`X509_load_http()` and `X509_CRL_load_http()` loads a certificate or a CRL, respectively, in ASN.1 format using HTTP from the given url.

If `bio` is given and `rbio` is `NULL` then this BIO is used instead of an internal one for connecting, writing the request, and reading the response. If both `bio` and `rbio` are given (which may be memory BIOs, for instance) then no explicit connection is attempted, `bio` is used for writing the request, and `rbio` for reading the response.

If the `timeout` parameter is > 0 this indicates the maximum number of seconds to wait until the transfer is complete. A value of 0 enables waiting indefinitely, while a value < 0 immediately leads to a timeout condition.

`X509_http_nbio()` and `X509_CRL_http_nbio()` are macros for backward compatibility that have the same effect as the functions above but with infinite timeout and without the possibility to specify custom BIOs.

RETURN VALUES

On success the function yield the loaded value, else `NULL`. Error conditions include connection/transfer timeout, parse errors, etc.

SEE ALSO

`OSSL_HTTP_get(3)`

HISTORY

`X509_load_http()` and `X509_CRL_load_http()` were added in OpenSSL 3.0.

`X509_http_nbio()` and `X509_CRL_http_nbio()` were deprecated in OpenSSL 3.0.

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