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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'X509\_http\_nbio.3ossl'***

***\$ man X509\_http\_nbio.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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