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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'X509\_http\_nbio.3oss!' command**

**\$ man X509\_http\_nbio.3oss!**

X509\_LOAD\_HTTP(3oss!)          OpenSSL          X509\_LOAD\_HTTP(3oss!)

### 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, pcrl)
```

### 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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