

NAME

CURLOPT_DNS_LOCAL_IP4 – IPv4 address to bind DNS resolves to

SYNOPSIS

```
#include <curl/curl.h>
```

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_DNS_LOCAL_IP4, char *address);
```

DESCRIPTION

Set the local IPv4 *address* that the resolver should bind to. The argument should be of type `char *` and contain a single numerical IPv4 address as a string. Set this option to `NULL` to use the default setting (do not bind to a specific IP address).

The application does not have to keep the string around after setting this option.

Using this option multiple times makes the last set string override the previous ones. Set it to `NULL` to disable its use again.

DEFAULT

`NULL`

PROTOCOLS

This functionality affects all supported protocols

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com/foo.bin");
        curl_easy_setopt(curl, CURLOPT_DNS_LOCAL_IP4, "192.168.0.14");
        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

NOTES

This option requires that libcurl was built with a resolver backend that supports this operation. The c-ares backend is the only such one.

AVAILABILITY

Added in curl 7.33.0

RETURN VALUE

`curl_easy_setopt(3)` returns a `CURLcode` indicating success or error.

`CURLE_OK` (0) means everything was OK, non-zero means an error occurred, see *libcurl-errors(3)*.

SEE ALSO

CURLOPT_DNS_INTERFACE(3),
LOPT_DNS_SERVERS(3)

CURLOPT_DNS_LOCAL_IP6(3),

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