

NAME

libcurl-env-dbg - environment variables libcurl DEBUGBUILD understands

DESCRIPTION

This is a set of variables only recognized and used if libcurl was built "debug enabled", which should never be true for a library used in production. These variables are intended for internal use only, subject to change and have many effects on the behavior of libcurl. Refer to the source code to determine how exactly they are being used.

CURL_ALTSVC_HTTP

Bypass the AltSvc HTTPS protocol restriction if this variable exists.

CURL_DBG_SOCKET_RBLOCK

The percentage of `recv()` calls that should be answered with a `EAGAIN` at random. For TCP/UNIX sockets.

CURL_DBG_SOCKET_RMAX

The maximum data that shall be received from the network in one `recv()` call. For TCP/UNIX sockets. This is applied to every `recv`.

Example: **CURL_DBG_SOCKET_RMAX=400** means `recv` buffer size is limited to a maximum of 400 bytes.

CURL_DBG_SOCKET_WBLOCK

The percentage of `send()` calls that should be answered with a `EAGAIN` at random. For TCP/UNIX sockets.

CURL_DBG_SOCKET_WPARTIAL

The percentage of data that shall be written to the network. For TCP/UNIX sockets. This is applied to every `send`.

Example: **CURL_DBG_SOCKET_WPARTIAL=80** means a `send` with 1000 bytes would only send 800.

CURL_DBG_QUIC_WBLOCK

The percentage of `send()` calls that should be answered with `EAGAIN` at random. QUIC only.

CURL_DEBUG

Trace logging behavior as an alternative to calling `curl_global_trace(3)`.

Example: **CURL_DEBUG=http/2** means trace details about HTTP/2 handling.

CURL_DEBUG_SIZE

Fake the size returned by `CURLINFO_HEADER_SIZE` and `CURLINFO_REQUEST_SIZE`.

CURL_GETHOSTNAME

Fake the local machine's unqualified hostname for NTLM and SMTP.

CURL_HSTS_HTTP

Bypass the HSTS HTTPS protocol restriction if this variable exists.

CURL_FORCETIME

A time of 0 is used for AWS signatures and NTLM if this variable exists.

CURL_ENTROPY

A fixed faked value to use instead of a proper random number so that functions in libcurl that are otherwise getting random outputs can be tested for what they generate.

CURL_SMALLREQSEND

An alternative size of HTTP data to be sent at a time only if smaller than the current.

CURL_SMALLSENDS

An alternative size of socket data to be sent at a time only if smaller than the current.

CURL_TIME

Fake unix timestamp to use for AltSvc, HSTS and `CURLINFO` variables that are time related.

This variable can also be used to fake the data returned by some `CURLINFO` variables that are not time-related (such as `CURLINFO_LOCAL_PORT`), and in that case the value is not a timestamp.

CURL_TRACE

LDAP tracing is enabled if this variable exists and its value is 1 or greater.

OpenLDAP tracing is separate. Refer to `CURL_OPENLDAP_TRACE`.

CURL_NTLM_WB_FILE

Debug-version of the *ntlm-wb* executable.

CURL_OPENLDAP_TRACE

OpenLDAP tracing is enabled if this variable exists and its value is 1 or greater. There's a number of debug levels, refer to *openldap.c* comments.

SEE ALSO**libcurl-env(3)**