NAME

      CURLOPT_RTSP_REQUEST − specify RTSP request

SYNOPSIS

      #include <curl/curl.h>

      CURLcode curl_easy_setopt(CURL *handle, CURLOPT_RTSP_REQUEST, long request);

DESCRIPTION

      Tell libcurl what kind of RTSP request to make. Pass one of the following RTSP enum values as a long in the *request* argument. Unless noted otherwise, commands require the Session ID to be initialized.

      CURL_RTSPREQ_OPTIONS

            Used to retrieve the available methods of the server. The application is responsible for parsing and obeying the response. **(The session ID is not needed for this method.)**

      CURL_RTSPREQ_DESCRIBE

            Used to get the low level description of a stream. The application should note what formats it understands in the *'Accept:'* header. Unless set manually, libcurl will automatically fill in *'Accept: application/sdp'*. Time-condition headers will be added to Describe requests if the *CURLOPT_TIMECONDITION(3)* option is active. **(The session ID is not needed for this method)**

      CURL_RTSPREQ_ANNOUNCE

            When sent by a client, this method changes the description of the session. For example, if a client is using the server to record a meeting, the client can use Announce to inform the server of all the meta-information about the session. ANNOUNCE acts like a HTTP PUT or POST just like *CURL_RTSPREQ_SET_PARAMETER*

      CURL_RTSPREQ_SETUP

            Setup is used to initialize the transport layer for the session. The application must set the desired Transport options for a session by using the *CURLOPT_RTSP_TRANSPORT(3)* option prior to calling setup. If no session ID is currently set with *CURLOPT_RTSP_SESSION_ID(3)*, libcurl will extract and use the session ID in the response to this request. **(The session ID is not needed for this method).**

      CURL_RTSPREQ_PLAY

            Send a Play command to the server. Use the *CURLOPT_RANGE(3)* option to modify the playback time (e.g. 'npt=10-15').

      CURL_RTSPREQ_PAUSE

            Send a Pause command to the server. Use the *CURLOPT_RANGE(3)* option with a single value to indicate when the stream should be halted. (e.g. npt='25')

      CURL_RTSPREQ_TEARDOWN

            This command terminates an RTSP session. Simply closing a connection does not terminate the RTSP session since it is valid to control an RTSP session over different connections.

      CURL_RTSPREQ_GET_PARAMETER

            Retrieve a parameter from the server. By default, libcurl will automatically include a *Content-Type: text/parameters* header on all non-empty requests unless a custom one is set. GET_PARAMETER acts just like a HTTP PUT or POST (see *CURL_RTSPREQ_SET_PARAMETER*). Applications wishing to send a heartbeat message (e.g. in the presence of a server-specified timeout) should send use an empty GET_PARAMETER request.

      CURL_RTSPREQ_SET_PARAMETER

            Set a parameter on the server. By default, libcurl will automatically include a *Content-Type: text/parameters* header unless a custom one is set. The interaction with SET_PARAMETER is much like a HTTP PUT or POST. An application may either use *CURLOPT_UPLOAD(3)* with *CURLOPT_READDATA(3)* like a HTTP PUT, or it may use *CURLOPT_POSTFIELDS(3)* like a HTTP POST. No chunked transfers are allowed, so the application must set the *CURLOPT_INFILESIZE(3)* in the former and *CURLOPT_POSTFIELDSIZE(3)* in the latter. Also,

there is no use of multi-part POSTs within RTSP.

CURL_RTSPREQ_RECORD

Used to tell the server to record a session. Use the *CURLOPT_RANGE(3)* option to modify the record time.

CURL_RTSPREQ_RECEIVE

This is a special request because it does not send any data to the server. The application may call this function in order to receive interleaved RTP data. It will return after processing one read buffer of data in order to give the application a chance to run.

DEFAULT
PROTOCOLS
EXAMPLE

TODO

AVAILABILITY

Added in 7.20.0

RETURN VALUE

Returns CURLE_OK if the option is supported, and CURLE_UNKNOWN_OPTION if not.

SEE ALSO

CURLOPT_RTSP_SESSION_ID(3), **CURLOPT_RTSP_STREAM_URI**(3),