

NAME

curl_url – create a URL handle

SYNOPSIS

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

```
CURLU *curl_url();
```

DESCRIPTION

This function allocates a URL object and returns a *CURLU* handle for it, to be used as input to all other URL API functions.

This is a handle to a URL object that holds or can hold URL components for a single URL. When the object is first created, there is of course no components stored. They are then set in the object with the *curl_url_set(3)* function.

The object must be destroyed with a call to *curl_url_cleanup(3)* when no longer needed.

PROTOCOLS

This functionality affects all supported protocols

EXAMPLE

```
int main(void)
{
    CURLUcode rc;
    CURLU *url = curl_url();
    rc = curl_url_set(url, CURLUPART_URL, "https://example.com", 0);
    if(!rc) {
        char *scheme;
        rc = curl_url_get(url, CURLUPART_SCHEME, &scheme, 0);
        if(!rc) {
            printf("the scheme is %s\n", scheme);
            curl_free(scheme);
        }
        curl_url_cleanup(url);
    }
}
```

AVAILABILITY

Added in curl 7.62.0

RETURN VALUE

Returns a *CURLU ** if successful, or *NULL* if out of memory.

SEE ALSO

CURLOPT_CURLU(3), *curl_url_cleanup(3)*, *curl_url_dup(3)*, *curl_url_get(3)*, *curl_url_set(3)*, *curl_url_strerror(3)*