

libcarddav-0.6.1

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Chapter 1

libcarddav-0.6.1

This document is the documentation for the public interface to libcarddav. If you want to study the implementation look for the developers API.

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Chapter 2

Deprecated List

Global `carddav_get_error` (`carddav_error *lib_error`)

Function to call in case of errors. Caller provides a pointer to a local `carddav_error` structure. `Carddav_get_error` will initialize pointer if NULL. Caller is responsible for freeing returned memory. After the first call the internal error buffer is reset.

Always returns an initialized empty `carddav_error` Function to call in case of errors. Caller provides a pointer to a local `carddav_error` structure. `Carddav_get_error` will initialize pointer if NULL. Caller is responsible for freeing returned memory. After the first call the internal error buffer is reset.

Global `carddav_set_options` (`debug_curl curl_options`)

Does nothing Function which supports sending various options inside the library.

Chapter 3

Data Structure Index

3.1 Data Structures

Here are the data structures with brief descriptions:

| | | |
|-----------------------------------|---|----|
| _carddav_error | A struct for storing error codes and messages | 9 |
| _CARDDAV_SETTINGS | A struct used to exchange all user input between various parts of the library | 10 |
| _response | A struct used for returning messages from the library to users | 10 |
| config_data | Used to exchange user options to the library | 11 |
| debug_curl | | 11 |
| MD5_CONTEXT | | 12 |
| MemoryStruct | Used to hold messages between the CardDAV server and the library | 12 |
| runtime_info | | 13 |

Chapter 4

File Index

4.1 File List

Here is a list of all documented files with brief descriptions:

| | | |
|---------------------------|--|----|
| carddav.h | Interface to the carddav library | 15 |
|---------------------------|--|----|

Chapter 5

Data Structure Documentation

5.1 `_carddav_error` Struct Reference

A struct for storing error codes and messages.

```
#include <carddav.h>
```

Data Fields

- long **code**
if < 0 internal error > 0 CardDAV protocol error.
- char * [str](#)
For storing human readable error message.

5.1.1 Detailed Description

A struct for storing error codes and messages.

5.1.2 Field Documentation

5.1.2.1 `str`

```
char * _carddav_error::str
```

For storing human readable error message.

The documentation for this struct was generated from the following file:

- [carddav.h](#)

5.2 `_CARDDAV_SETTINGS` Struct Reference

A struct used to exchange all user input between various parts of the library.

```
#include <carddav-utils.h>
```

Data Fields

- `gchar * username`
- `gchar * password`
- `gchar * url`
- `gchar * file`
- `gboolean usehttps`
- `gboolean verify_ssl_certificate`
- `gchar * custom_cacert`
- `gboolean debug`
- `gboolean use_locking`
- `char trace_ascii`
- `CARDDAV_ACTION ACTION`
- `time_t start`
- `time_t end`
- `char use_uri`

5.2.1 Detailed Description

A struct used to exchange all user input between various parts of the library.

The documentation for this struct was generated from the following file:

- `carddav-utils.h`

5.3 `_response` Struct Reference

A struct used for returning messages from the library to users.

```
#include <carddav.h>
```

Data Fields

- `char * msg`
String for storing response.

5.3.1 Detailed Description

A struct used for returning messages from the library to users.

5.3.2 Field Documentation

5.3.2.1 msg

```
char * _response::msg
```

String for storing response.

The documentation for this struct was generated from the following file:

- [carddav.h](#)

5.4 config_data Struct Reference

Used to exchange user options to the library.

```
#include <carddav-utils.h>
```

Data Fields

- char **trace_ascii**

5.4.1 Detailed Description

Used to exchange user options to the library.

The documentation for this struct was generated from the following file:

- carddav-utils.h

5.5 debug_curl Struct Reference

Data Fields

- int [trace_ascii](#)
0 or 1
- int [debug](#)
0 or 1
- int **verify_ssl_certificate**
- int **use_locking**
- char * **custom_cacert**

5.5.1 Field Documentation

5.5.1.1 debug

```
int debug_curl::debug
```

0 or 1

5.5.1.2 trace_ascii

```
int debug_curl::trace_ascii
```

0 or 1

The documentation for this struct was generated from the following file:

- [carddav.h](#)

5.6 MD5_CONTEXT Struct Reference

Data Fields

- u32 **A**
- u32 **B**
- u32 **C**
- u32 **D**
- u32 **nblocks**
- unsigned char **buf** [64]
- int **count**
- int **finalized**

The documentation for this struct was generated from the following file:

- md5.h

5.7 MemoryStruct Struct Reference

Used to hold messages between the CardDAV server and the library.

```
#include <carddav-utils.h>
```


Data Fields

- char * **memory**
- size_t **size**

5.7.1 Detailed Description

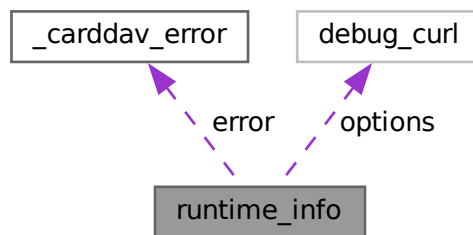
Used to hold messages between the CardDAV server and the library.

The documentation for this struct was generated from the following file:

- carddav-utils.h

5.8 runtime_info Struct Reference

Collaboration diagram for runtime_info:



Data Fields

- [carddav_error](#) * **error**
- [debug_curl](#) * **options**

The documentation for this struct was generated from the following file:

- [carddav.h](#)

Chapter 6

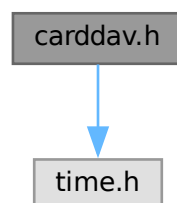
File Documentation

6.1 carddav.h File Reference

interface to the carddav library.

```
#include <time.h>
```

Include dependency graph for carddav.h:



Data Structures

- struct [debug_curl](#)
- struct [_carddav_error](#)

A struct for storing error codes and messages.

- struct [runtime_info](#)
- struct [_response](#)

A struct used for returning messages from the library to users.

Macros

- `#define __CARDDAV_USERAGENT "libcurl-agent/0.1"`

Typedefs

- typedef struct [_carddav_error](#) **carddav_error**
Pointer to a [carddav_error](#) structure.
- typedef struct [_response](#) **response**
Pointer to a [_response](#) structure.

Enumerations

- enum [CARDDAV_ACTION](#) {
UNKNOWN , **ADD** , **DELETE** , **FREEBUSY** ,
MODIFY , **GET** , **GETALL** , **GETCALNAME** ,
ISCARDDAV , **OPTIONS** }
specifies supported CardDAV actions.
- enum [CARDDAV_RESPONSE](#) {
OK , **FORBIDDEN** , **CONFLICT** , **LOCKED** ,
NOTIMPLEMENTED }
specifies CardDAV error states.

Functions

- [CARDDAV_RESPONSE](#) [carddav_add_object](#) (const char *object, const char *URL, [runtime_info](#) *info)
Function for adding a new card.
- [CARDDAV_RESPONSE](#) [carddav_delete_object](#) (const char *object, const char *URL, [runtime_info](#) *info)
Function for deleting a card.
- [CARDDAV_RESPONSE](#) [carddav_delete_object_by_uri](#) (const char *object, const char *URL, [runtime_info](#) *info)
Function for deleting a card by URI.
- [CARDDAV_RESPONSE](#) [carddav_modify_object](#) (const char *object, const char *URL, [runtime_info](#) *info)
Function for modifying a card.
- [CARDDAV_RESPONSE](#) [carddav_modify_object_by_uri](#) (const char *object, const char *URL, [runtime_info](#) *info)
Function for modifying a card by URI.
- [CARDDAV_RESPONSE](#) [carddav_get_object](#) ([response](#) *result, time_t start, time_t end, const char *URL, [runtime_info](#) *info)
Function for getting a collection of cards determined by time range.
- [CARDDAV_RESPONSE](#) [carddav_getall_object](#) ([response](#) *result, const char *URL, [runtime_info](#) *info)
Function for getting all cards from the collection.
- [CARDDAV_RESPONSE](#) [carddav_getall_object_by_uri](#) ([response](#) *result, const char *URL, [runtime_info](#) *info)
Function for getting all cards from the collection.
- [CARDDAV_RESPONSE](#) [carddav_get_displayname](#) ([response](#) *result, const char *URL, [runtime_info](#) *info)
Function for getting the stored display name for the collection.
- int [carddav_enabled_resource](#) (const char *URL, [runtime_info](#) *info)
Function to test whether a calendar resource is CardDAV enabled or not.
- [CARDDAV_RESPONSE](#) [carddav_get_freebusy](#) ([response](#) *result, time_t start, time_t end, const char *URL, [runtime_info](#) *info)
Function for getting free/busy information.
- [carddav_error](#) * [carddav_get_error](#) ([carddav_error](#) *lib_error)
- void [carddav_free_error](#) ([carddav_error](#) *lib_error)
Function for freeing memory for a previous initialization of a [carddav_error](#).

- void `carddav_set_options` (`debug_curl` curl_options)
Function which supports sending various options inside the library.
- char ** `carddav_get_server_options` (const char *URL, `runtime_info` *info)
Function to call to get a list of supported CardDAV options for a server.
- `runtime_info` * `carddav_get_runtime_info` ()
Function for getting an initialized `runtime_info` structure.
- void `carddav_free_runtime_info` (`runtime_info` **info)
Function for freeing memory for a previous initialization of an info structure.
- `response` * `carddav_get_response` ()
Function for getting an initialized response structure.
- void `carddav_free_response` (`response` **info)
Function for freeing memory for a previous initialization of an response structure.

6.1.1 Detailed Description

interface to the carddav library.

The library conforms to IETF carddav draft specification daboo-10. For further information follow this link <http://tools.ietf.org/html/draft-ietf-vcarddav-carddav-10>

6.1.2 Enumeration Type Documentation

6.1.2.1 CARDDAV_ACTION

enum `CARDDAV_ACTION`

specifies supported CardDAV actions.

UNKNOWN. An unknown action. ADD. Add a CardDAV calendar object. DELETE. Delete a CardDAV calendar object. MODIFY. Modify a CardDAV calendar object. GET. Get one or more CardDAV calendar object(s). GETALL. Get all CardDAV calendar objects.

6.1.2.2 CARDDAV_RESPONSE

enum `CARDDAV_RESPONSE`

specifies CardDAV error states.

OK (HTTP 200). Request was satisfied. FORBIDDEN (HTTP 403). Access not allowed. Dont repeat request. CONFLICT (HTTP 409). Conflict between current state of CardDAV collection and request. Client must solve the conflict and then resend request. LOCKED (HTTP 423). Locking failed.

6.1.3 Function Documentation

6.1.3.1 carddav_add_object()

```
CARDDAV_RESPONSE carddav_add_object (
    const char * object,
    const char * URL,
    runtime_info * info )
```

Function for adding a new card.

Parameters

| | |
|---------------|---|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for adding a new card.

Parameters

| | |
|---------------|---|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.2 `carddav_delete_object()`

```
CARDDAV_RESPONSE carddav_delete_object (
    const char * object,
    const char * URL,
    runtime_info * info )
```

Function for deleting a card.

Parameters

| | |
|---------------|---|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). Generated by Doxygen |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for deleting a card.

Parameters

| | |
|---------------|--|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.3 carddav_delete_object_by_uri()

```
CARDDAV_RESPONSE carddav_delete_object_by_uri (  
    const char * object,  
    const char * URL,  
    runtime_info * info )
```

Function for deleting a card by URI.

Parameters

| | |
|---------------|--|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for deleting a card by URI.

Parameters

| | |
|---------------|--|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.4 carddav_enabled_resource()

```
int carddav_enabled_resource (
    const char * URL,
    runtime_info * info )
```

Function to test whether a calendar resource is CardDAV enabled or not.

Parameters

| | |
|-------------|--|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

0 (zero) means no CardDAV support, otherwise CardDAV support detected.

Parameters

| | |
|------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
|------------|---|

Returns

0 (zero) means no CardDAV support, otherwise CardDAV support detected.

6.1.3.5 carddav_free_error()

```
void carddav_free_error (
    carddav_error * lib_error )
```

Function for freeing memory for a previous initialization of a `carddav_error`.

See also

[carddav_get_error\(\)](#) Caller provides a pointer to a local `carddav_error` structure.

Parameters

| | |
|------------------|---|
| <i>lib_error</i> | A pointer to a struct <code>_carddav_error</code> . |
|------------------|---|

See also

[_carddav_error](#)

6.1.3.6 carddav_free_response()

```
void carddav_free_response (
    response ** resp )
```

Function for freeing memory for a previous initialization of an response structure.

Parameters

| | |
|-------------|---|
| <i>info</i> | Address to a pointer to a response structure. |
|-------------|---|

See also

[_response](#)

6.1.3.7 `carddav_free_runtime_info()`

```
void carddav_free_runtime_info (
    runtime_info ** info )
```

Function for freeing memory for a previous initialization of an info structure.

Parameters

| | |
|-------------|---|
| <i>info</i> | Address to a pointer to a runtime_info structure. |
|-------------|---|

See also

[runtime_info](#)

6.1.3.8 `carddav_get_displayname()`

```
CARDDAV_RESPONSE carddav_get_displayname (
    response * result,
    const char * URL,
    runtime_info * info )
```

Function for getting the stored display name for the collection.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|-------------|--|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|------------|--|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
|------------|--|

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.9 carddav_get_error()

```
carddav_error * carddav_get_error (
    carddav_error * lib_error )
```

Deprecated Always returns an initialized empty `carddav_error` Function to call in case of errors. Caller provides a pointer to a local `carddav_error` structure. `Carddav_get_error` will initialize pointer if NULL. Caller is responsible for freeing returned memory. After the first call the internal error buffer is reset.

Parameters

| | |
|------------------|--|
| <i>lib_error</i> | A pointer to a struct _carddav_error . |
|------------------|--|

See also

[_carddav_error](#)

Returns

An initialized `carddav_error` pointer to memory where error messages can be found from the last call to the library.

Deprecated Function to call in case of errors. Caller provides a pointer to a local `carddav_error` structure. `Carddav_get_error` will initialize pointer if NULL. Caller is responsible for freeing returned memory. After the first call the internal error buffer is reset.

Parameters

| | |
|------------------|--|
| <i>lib_error</i> | A pointer to a struct _carddav_error . |
|------------------|--|

See also

[_carddav_error](#)

Returns

An initialized `carddav_error` pointer to memory where error messages can be found from the last call to the library.

6.1.3.10 carddav_get_freebusy()

```
CARDDAV_RESPONSE carddav_get_freebusy (
    response * result,
    time_t start,
    time_t end,
    const char * URL,
    runtime_info * info )
```

Function for getting free/busy information.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|--------------|--|
| <i>start</i> | <code>time_t</code> variable specifying start and end for range. Both are included in range. |
| <i>end</i> | <code>time_t</code> variable specifying start and end for range. Both are included in range. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.11 carddav_get_object()

```
CARDDAV_RESPONSE carddav_get_object (
    response * result,
    time_t start,
    time_t end,
    const char * URL,
    runtime_info * info )
```

Function for getting a collection of cards determined by time range.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|--------------|--|
| <i>start</i> | time_t variable specifying start for range. Included in search. |
| <i>end</i> | time_t variable specifying end for range. Included in search. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for getting a collection of cards determined by time range.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|--------------|--|
| <i>start</i> | time_t variable specifying start and end for range. Both are included in range. |
| <i>end</i> | time_t variable specifying start and end for range. Both are included in range. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.12 carddav_get_response()

```
response * carddav_get_response ( )
```

Function for getting an initialized response structure.

Returns

response.

See also

[_response](#)

6.1.3.13 carddav_get_runtime_info()

```
runtime_info * carddav_get_runtime_info ( )
```

Function for getting an initialized [runtime_info](#) structure.

Returns

[runtime_info](#).

See also

[runtime_info](#)

6.1.3.14 carddav_get_server_options()

```
char ** carddav_get_server_options (
    const char * URL,
    runtime_info * info )
```

Function to call to get a list of supported CardDAV options for a server.

Parameters

| | |
|-------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

A list of available options or NULL in case of any error.

Parameters

| | |
|------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
|------------|---|

Returns

A list of available options or NULL in case of any error.

6.1.3.15 carddav_getall_object()

```
CARDDAV_RESPONSE carddav_getall_object (  
    response * result,  
    const char * URL,  
    runtime_info * info )
```

Function for getting all cards from the collection.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|-------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for getting all cards from the collection.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|------------|--|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
|------------|--|

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.16 `carddav_getall_object_by_uri()`

```
CARDDAV_RESPONSE carddav_getall_object_by_uri (
    response * result,
    const char * URL,
    runtime_info * info )
```

Function for getting all cards from the collection.

This version stores the URI as a VCARD parameter.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|-------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for getting all cards from the collection.

This version stores the URI as a VCARD parameter.

Parameters

| | |
|---------------|--|
| <i>result</i> | A pointer to struct _response where the result is to stored. |
|---------------|--|

See also

[response](#). Caller is responsible for freeing the memory.

Parameters

| | |
|------------|---|
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
|------------|---|

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.17 carddav_modify_object()

```
CARDDAV_RESPONSE carddav_modify_object (
    const char * object,
    const char * URL,
    runtime_info * info )
```

Function for modifying a card.

Parameters

| | |
|---------------|--|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for modifying a card.

Parameters

| | |
|---------------|--|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://][username[:password]@]host[:port]/url-path. See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.18 carddav_modify_object_by_uri()

```
CARDDAV_RESPONSE carddav_modify_object_by_uri (
    const char * object,
    const char * URL,
    runtime_info * info )
```

Function for modifying a card by URI.

Parameters

| | |
|---------------|---|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |
| <i>info</i> | Pointer to a runtime_info structure. |

See also

[runtime_info](#)

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

Function for modifying a card by URI.

Parameters

| | |
|---------------|---|
| <i>object</i> | Appointment following ICal format (RFC2445). Receiver is responsible for freeing the memory. |
| <i>URL</i> | Defines CardDAV resource. Receiver is responsible for freeing the memory. [http://[username[:password]@]host[:port]/url-path . See (RFC1738). |

Returns

Ok, FORBIDDEN, or CONFLICT.

See also

[CARDDAV_RESPONSE](#)

6.1.3.19 carddav_set_options()

```
void carddav_set_options (
    debug_curl curl_options )
```

Function which supports sending various options inside the library.

Deprecated Does nothing Function which supports sending various options inside the library.

Parameters

| | |
|---------------------|--|
| <i>curl_options</i> | A struct debug_curl . See debug_curl . |
| <i>curl_options</i> | A struct debug_curl . See debug_curl . |

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