
Name

rd_addcart — Rivendell Add Cart C Library Function

Synopsis

```
#include <rivwebcapi/rd_addcart.h>
```

```
int RD_AddCart(cart[], hostname[], username[], passwd[], ticket[],  
group[], type[], cartnumber, user_agent[], numrecs);
```

```
struct rd_cart * cart[];  
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const char group[];  
const char type[];  
const unsigned cartnumber;  
const char user_agent[];  
unsigned * numrecs;
```

Description

RD_AddCart is the function to use to add a cart to an existing Rivendell Database.

This function adds the cart number to the Rivendell database on hostname. Default values are used when the cart is created.

Table 1. RD_AddCart function call fields

| FIELD NAME | FIELD TYPE | MEANING | REMARKS |
|------------|------------------------------|--|--|
| *rd_cart | Pointer to rd_cart structure | Memory location to store cart information | Mandatory |
| hostname | Character Array | Name Of Rivendell DB Host | Mandatory |
| username | Character Array | Rivendell User Name | Mandatory When NO Ticket Provided. |
| passwd | Character Array | Rivendell User Password | Mandatory When NO Ticket Provided. |
| ticket | Character Array | Rivendell Authentication Ticket | Mandatory When NO User/Password Pair Provided. |
| group | Character Array | Rivendell Group Name | Mandatory |
| type | Character Array | Cart Type | Mandatory |
| cartnumber | unsigned integer | Cart Number | Mandatory |
| user_agent | Character Array | User Agent Value put into HTTP request | Optional (default is Rivendell-C-API/x.x.x) |
| *numrecs | pointer to integer | memory location for number of records returned | Mandatory |

When successful function will return the number of records sent (numrecs) and a rd_cart structure which is stored in the provided memory locations. The rd_cart structure has the following fields:

```
struct rd_cart {
    unsigned cart_number;           /* Cart Number */
    unsigned cart_type;             /* Cart Type */
    char cart_grp_name[41];         /* Group Name */
    char cart_title[1021];          /* Cart Title */
    char cart_artist[1021];         /* Artist */
    char cart_album[1021];          /* Album */
    int cart_year;                  /* Year */
    char cart_label[257];           /* Label */
    char cart_client[257];          /* Client */
    char cart_agency[257];          /* Agency */
    char cart_publisher[257];       /* Publisher */
    char cart_composer[257];        /* Composer */
    char cart_user_defined[1021];   /* User Defined */
    int cart_usage_code;            /* Usage Code */
    int cart_forced_length;          /* Forced Length */
    int cart_average_length;         /* AverageLength */
    int cart_length_deviation;       /* Length Deviation */
    int cart_average_segue_length;   /* Average Segue Length */
    int cart_average_hook_length;    /* Average Hook Length */
    unsigned cart_cut_quantity;      /* Cut Quantity */
    unsigned cart_last_cut_played;   /* Last Cut Played */
    unsigned cart_validity;          /* Validity */
    int cart_enforce_length;         /* Enforce Length Flag */
    int cart_asynchronous;           /* Asynchronous Flag */
    char cart_owner[257];            /* Owner */
    struct tm cart_metadata_datetime; /* Metadata Datetime */
    char cart_notes[4098];           /* Notes */
};
```

All character arrays above are the sizes listed and are null-terminated. Character encoding is UTF-8.

The cart number is a unsigned integer.

The cart_type is 1=Audio,2=Macro. The default is Audio(1).

The cart_grp_name must be a valid Rivendell DB Group.

The cart_title is 255 characters Default is [new cart].

The cart_artist is 255 characters. Default is NULL.

The cart_album is 255 characters. Default is NULL.

The cart_year is a date (YYYY). Default is NULL.

The cart_label is 64 characters. Default is NULL.

The cart_client is 64 characters. Default is NULL.

The `cart_agency` is 64 characters. Default is NULL.

The `cart_publisher` is 64 characters. Default is NULL.

The `cart_composer` is 64 characters. Default is NULL.

The `cart_user_defined` is 255 characters. Default is NULL.

The `cart_usage_code` is 0=Feature (Default), 1=Theme Open,
2=Theme Close, 3=Theme Open/Close,
4=Background, 5=Comm/Promo

The `cart_forced_length` is in milliseconds. Default is 0.

The `cart_average_length` is in milliseconds. Default is 0.

The `cart_length_deviation` is in milliseconds. Default is 0.

The `cart_average_segue_length` is in milliseconds. Default is 0.

The `cart_average_hook_length` is in milliseconds. Default is 0.

The `cart_cut_quantity` is number of cuts. Default is 0.

The `cart_last_cut_played` is self explanatory. Default is 0.

The `cart_validity` is 0=NeverValid, 1=Conditional, 2=AlwaysValid (Default)
3=EvergreenValid, 4=FutureValid

The `cart_enforce_length` is True(1) or False(0). Default is False(0).

The `cart_asynchronous` is True(1) or False(0). Default is False(0).

The `cart_owner` is 64 characters. Default is NULL.

The `cart_metadata_datetime` is in tm struct format. Default is NULL.

The `cart_user_notes` is a character array up to 1024 characters. Default is N

RETURN VALUE

On success, zero is returned. Using the provided parameters an `rd_cart` structure is returned and the number of records is returned.

If a server error occurs a -1 is returned. If a client error occurs a specific error number is returned.

ERRORS

400 Invalid Parameter for GROUP or TYPE.

400 Cart Already Exists.

403 User Authentication Error.

404 No Such Group Exists or Cart Out Of Range.

500 Unable to Create Cart.

nnn Unknown Error Occurred.