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## Name

rd\_listcartscuts — Rivendell List Cart/Cuts C Library Function

## Synopsis

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

int   RD_ListCartsCuts(cart[], hostname[], username[], passwd[],
ticket[], group_name[], filter[], type[], user_agent[], numrecs);

struct rd_cart * cart[];
const char hostname[];
const char username[];
const char passwd[];
const char ticket[];
const char group_name[];
const char filter[];
const char type[];
const char user_agent[];
unsigned * numrecs;

struct rd_cut *RD_ListCartsCuts_GetCut(carts[], cart_rec, cut_rec);

struct rd_cart carts[];
int cart_rec;
int cut_rec;

void RD_ListCartsCuts_Free(carts[], numrecs);

struct rd_cart carts[];
unsigned numrecs;
```

## Description

This function lists the fields in one or more pre-existing cart(s). The user can also filter the records by group name, cart type, and/or a user provided search string. Unlike **RD\_ListCarts(7)**, **RD\_ListCartsCuts(7)** will also fetch the full list of cuts associated with each cart.

**Table 1. RD\_ListCartsCuts function call fields**

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*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.

FIELD NAME	FIELD TYPE	MEANING	REMARKS
group_name	character array	Group Name	Optional
filter	character array	Filter - searches for specific strings within the following fields: Title, Artist, Client, Agency, Album, Label, Publisher, Composer, Conductor, Song_Id, User_Defined, and Cart Number.	Optional
type	character array	Type of Cart records. If set can be Audio, or Macro.	Optional
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 the function will return the number of records sent (numrecs) and a `rd_cart` structure which is stored in the provided memory locations. (See the **rd\_listcartcuts(7)** man page for a listing of the `rd_cart` structure).

## Accessing Cut Information

Information about the cuts associated with each cart can be accessed from the returned `rd_cart` structure through use of the **RD\_ListCartsCuts\_GetCut()** function. The `cart_rec` parameter should range between 0 and one less than the value returned in the `numrecs` argument to **RD\_ListCartsCuts**, while the `cut_rec` parameter should range between 0 and one less than the value of the `cart_cut_quantity` member of the cart's `rd_cart` structure.

Cut information is returned in the form of a `rd_cut` structure. (See the **rd\_listcartcuts(7)** man page for a listing of the `rd_cut` structure).

## Freeing Memory

When the returned `rd_cart` structure is no longer required, it should be freed by passing it to the **RD\_ListCartsCuts\_Free()** function.

## 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

403 User Authentication Error.

404 No Such Group Exists.

nnn Unknown Error Occurred.