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## Name

rd\_listgroups — Rivendell List Groups C Library Function

## Synopsis

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

```
int RD_ListGroups(group[], hostname[], username[], passwd[], ticket[],  
groupname[], user_agent[], numrecs);
```

```
struct rd_group * group[];  
const char hostname[];  
const char username[];  
const char passwd[];  
const char ticket[];  
const char groupname[];  
const char user_agent[];  
unsigned * numrecs;
```

## Description

**RD\_ListGroups** is the function to use to list the fields that are stored for a user's groups within the Rivendell Database.

This function lists the fields in all pre-existing Groups for the Requesting User. Lists the group fields for each group that the User has permission to see.

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

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*group	Pointer to rd_group structure	Memory location to store group 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.
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 rd\_group structure(s) which is stored in the provided memory locations. The rd\_group structure has the following fields:

```
struct rd_group {
    char grp_name[41]; /* Group Name */
    char grp_desc[1021]; /* Description */
    unsigned grp_default_cart_type; /* Default cart type */
    unsigned grp_lo_limit; /* Group starting Cart Number */
    unsigned grp_hi_limit; /* Group Ending Cart Number */
    int grp_shelf_life;
    char grp_default_title[1021];
    int grp_enforce_range;
    int grp_report_tfc;
    int grp_report_mus;
    int grp_now_next;
    char grp_color[8];
    char grp_reserved[457];
};
```

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

The cart number is a unsigned integer.

The Default cart\_type is 1=Audio,2=Macro.

## RETURN VALUE

On success, zero is returned. Using the provided parameters an rd\_group 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.

nnn Unknown Error Occurred.