
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.