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## Name

rd\_listschedcodes — Rivendell List Scheduler Codes C Library Function

## Synopsis

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

int  RD_ListSchedCodes(cart[],  hostname[],  username[],  passwd[],
ticket[],  user_agent[],  numrecs);

struct rd_schedcodes * cart[];
const char hostname[];
const char username[];
const char passwd[];
const char ticket[];
const char user_agent[];
unsigned * numrecs;
```

## Description

**RD\_ListSchedCodes** is the function to use to list the Scheduler Codes that currently exist in the Rivendell Database.

This function lists the scheduler codes.

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

FIELD NAME	FIELD TYPE	MEANING	REMARKS
*schedcodes	Pointer to rd_schedcodes structure	Memory location to store scheduler code 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 a rd\_schedcodes structure which is stored in the provided memory locations. The rd\_schedcodes structure has the following fields:

```
struct rd_schedcodes {  
    char code[41];  
    char description[1021];  
};
```

All character arrays above are the sizes listed and must be null-terminated.

## RETURN VALUE

On success, zero is returned. Using the provided parameters an rd\_schedcodes 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 Missing Cart Number.

403 User Authentication Error.

404 No Such Cart Exists or Unauthorized.

nnn Unknown Error Occurred.