
Name

rd_listservices — Rivendell List Services C Library Function

Synopsis

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

int  RD_ListServices(logline[],  hostname[],  username[],  passwd[],
ticket[], trackable, user_agent[], numrecs);

struct rd_logline * logline[];
const char hostname[];
const char username[];
const char passwd[];
const char ticket[];
const int trackable;
const char user_agent[];
unsigned * numrecs;
```

Description

RD_ListServices is the function to use to list services that are stored within the Rivendell Database.

This function lists the names of the Services in the system.

Table 1. RD_ListServices function call fields

| FIELD NAME | FIELD TYPE | MEANING | REMARKS |
|-------------|---------------------------------|--|--|
| *services[] | Pointer to rd_service structure | Memory location to store service 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 Authentification Ticket | Mandatory When NO User/Password Pair Provided. |
| trackable | integer | Limit returns to services that have a valid voicetracking configuration. 0=No(Default), 1=Yes. | 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 function will return the number of records sent (numrecs) and rd_service structure which is stored in the provided memory locations. The rd_service structure has the following fields:

```
struct rd_service {  
    char service_name [41];  
    char service_description[1021];  
};
```

RETURN VALUE

On success, zero is returned. Using the provided parameters an rd_log 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.