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## 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.