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# Rivendell C Library API

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## Overview

This is a C Library that can be used to access and query the Rivendell database. These functions allow the programmer to access the Rivendell Web API components directly, and provides almost complete functionality in relation to content in an existing Rivendell system. See function descriptions for further information on using these functions below.

## Function Descriptions

**RD\_AudioInfo** This function returns information about an entry in the audio store.

**RD\_AddCart** This function adds a cart to a Rivendell Database.

**RD\_AddCut** This function adds a cut to a Rivendell Database.

**RD\_AssignSchedCode** This function assigns a Scheduler Code to carts in a Rivendell database.

**RD\_AudioStore** This function returns information about the audio store.

**RD\_CopyAudio** This function copies PCM/MPEG data from one Cart/Cut to another Cart/Cut.

**RD\_CreateTicket** This function will create an Authentication ticket in the Rivendell database that can be used in leu of username/password pair.

**RD\_DeleteAudio** This function deletes PCM/MPEG data from the audio store.

**RD\_EditCart** This function edits the fields within a cart in the Rivendell Database.

**RD\_EditCut** This function edit the fields within a cut in the Rivendell Database.

**RD\_Export** This function exports PCM/MPEG data from the audio store.

**RD\_ExportPeaks** This function exports Peak Data from the audio store.

**RD\_Import** This function imports PCM/MPEG data into the audio store.

**RD\_ListCart** This function lists the fields within a cart in the Rivendell Database.

**RD\_ListCarts** This function lists the carts in the Rivendell Database.

**RD\_ListCartSchedCodes** This function lists the Scheduler Codes assigned to a cart in the Rivendell Database.

**RD\_ListCut** This function lists the fields within a cut in the Rivendell Database.

**RD\_ListCuts** This function lists the cuts that exist in a Cart entry.

**RD\_ListGroup** This function lists the group field entries for a specific group in the Rivendell database.

**RD\_ListGroups** This function lists the groups within the Rivendell Database.

**RD\_ListLog** This function lists the log lines for a particular log file within the Rivendell Database.

**RD\_ListLogs** This function lists the Log Files within the Rivendell Database.

**RD\_ListSchedCodes** This function lists the Scheduler Codes that currently exist in the Rivendell Database.

**RD\_ListServices** This function lists the Servicess that are stored within the Rivendell Database.

**RD\_ListSystemSettings** This function lists the System Settings that are stored within the Rivendell Database.

**RD\_RemoveCart** This function removes a cart from the Rivendell database.

**RD\_RemoveCut** This function removes a cut from the Rivendell database.

**RD\_TrimAudio** This function returns a time pointer to the first and last instance of a particular dB level in a cut.

**RD\_UnassignSchedCode** This function unassigns a Scheduler Code from a cart in the Rivendell database.