
Name

rdimport — Audio importation tool for the Rivendell Radio Automation System

Synopsis

```
rdimport [OPTIONS] {group-name} {filespec}
```

Description

rdimport(1) is a command-line tool for importing one or more audio files into the Rivendell Radio Automation System. By default, a new cart will be created for each file imported, although this behavior can be modified by use of the appropriate options (see the `--single-cart` and `--to-cart` options, below). A *filespec* of `-` will cause the list of filespecs to be read from standard input.

Options

<code>--add-scheduler-code=str</code>	Add Scheduler Code <i>str</i> to the target cart. The specified code must exist in RAdmin->SchedulerCodes. This option may be specified multiple times.
<code>--autotrim-level=level</code>	Specify the threshold level to use for autotrimming the audio, in dBFS. Specifying 0 will turn off autotrimming.
<code>--by-isci[=service-name]</code>	Determine the target cart number by looking it up in the ISCI cross-reference table, using the ISCI code provided by the <code>--set-string-isci</code> or <code>--metadata-pattern</code> options. If <i>service-name</i> is given, prepend the Program Code for the specified service followed by an underscore to the ISCI code when doing the cart number lookup in the ISCI cross-reference table. Useful for importing sets of copy-split audio. This option is mutually exclusive with the <code>--to-cart</code> option.
<code>--cart-number-off-set=offset</code>	Add <i>offset</i> to the cart number as determined from the metadata pattern or <code>--use-cartchunk-cutid</code> .
<code>--clear-datetimes</code>	Do not set the cut start and end datetimes, even if such are found in the file's import metadata. Mutually exclusive with the <code>--set-datetimes</code> option.
<code>--clear-daypart-times</code>	Do not set the cut start and end daypart times, even if such are found in the file's import metadata. Mutually exclusive with the <code>--set-daypart-times</code> option.
<code>--create-enddate-off-set=days</code>	If the imported file does not reference an end date, create with end date offset by <i>days</i> days relative to the current date. Cannot be less than the value the value for <code>--create-startdate-offset</code> (default = 0).
<code>--create-startdate-off-set=days</code>	If the imported file does not reference a start date, create with start date offset by <i>days</i> days relative to the current date. Cannot be greater than the value the value for <code>--create-enddate-off-set</code> (default = 0).

<code>--delete-cuts</code>	Delete all cuts within the destination cart before importing. Use with caution!
<code>--delete-source</code>	Delete each source file after successful import. Use with caution!
<code>--drop-box</code>	Operate in DropBox mode, causing rdimport (1) to run continuously, periodically scanning for files matching the specified <i>file-spec</i> , importing and then deleting them when found. WARNING: use of this option also implies the <code>--delete-source</code> option!
<code>--drop-box-scan-count=scan-quant</code>	When operating in DropBox mode, require <i>scan-quant</i> consistent file scans before proceeding to process a file. The default value is 3 . See THE DROPBOX SCANNING ALGORITHM section below for more information on the use of this option.
<code>--drop-box-scan-interval=scan-interval</code>	When operating in DropBox mode, wait <i>scan-interval</i> seconds between file scans. The default value is 5 seconds. See THE DROPBOX SCANNING ALGORITHM section below for more information on the use of this option.
<code>--dump-isci-xref</code>	Print a copy of the current ISCI cross-reference table and then exit. Useless except for debugging.
<code>--enddate-offset=days</code>	If the imported file references an end date, offset the value by <i>days</i> days.
<code>--fix-broken-formats</code>	Attempt to work around malformed audio input data.
<code>--help</code>	Print a short usage message and exit.
<code>--log-filename=filename</code>	The <i>filename</i> to write logs to. This option is mutually exclusive with the <code>--log-syslog</code> option. Rivendell "Filepath" wildcards can be used in <i>filename</i>. See the rivendell-wildcards(7) man page for details.
<code>--log-syslog</code>	Writes the logs to syslog (3). Overrides the [Logs] section of rd.conf (5). This option is mutually exclusive with the <code>--log-directory</code> and <code>--log-filename</code> options.
<code>--mail-per-file</code>	Send an e-mail message for each file processed, rather than a single message per run summarizing all actions taken. Implies the --send-mail switch. See the --send-mail switch (below) for more details about generating e-mailed reports from rdimport(1).
<code>--metadata-pattern=pattern</code>	Attempt to read metadata parameters from the source filename, using the pattern <i>pattern</i>. Patterns consist of a sequence of wildcards and regular characters to indicate boundaries between metadata fields. This option is mutually exclusive with the <code>--xml</code> option. The available wildcards are: %a Artist %b Record Label

%c	Client
%e	Agency
%g	Rivendell group name (overrides the <i>group-name</i> parameter)
%i	Cut Description
%k	Time component of the cut start date/time, in format HH:M-M:SS
%K	Time component of the cut end date/time, in format HH:M-M:SS
%l	Album
%m	Composer
%n	Cart Number
%o	Outcue
%p	Publisher
%q	Date component of the cut start date/time, in format YYYY-MM-DD . If the %Q wildcard has not also been provided, the end date will be assumed to be the same as the start date. If the %k wildcard has not been provided, a start time of 00:00:00 will be assumed, while if the %K wildcard has not been provided, an end time of 23:59:59 will be assumed.
%Q	Date component of the cut end date/time, in format YYYY-MM-DD . If the %K wildcard has not been provided, an end time of 23:59:59 will be assumed.
%r	Conductor
%s	Song ID
%t	Title
%u	User Defined
%wc	Industry Standard Commercial Identification [ISCI] Code
%wi	International Standard Recording Code [ISRC]
%wm	MusicBrainz Recording ID
%wr	MusicBrainz Release ID
%y	Release Year
%%	A literal '%'

Detection of either the Rivendell Group [%g] or Rivendell Cart [%n] will cause **rdimport**(1) to attempt to import the file to the specified Group and/or Cart, overriding whatever values were specified on the command line. If the `--set-user-defined` option has been used, then the value specified there will be used instead of %u.

Boundaries between metadata fields are indicated by placing regular characters between macros. For example, the pattern %t_%a_%g_%n., when processing a filename of 'My Song_My Artist_TEMP_123456.mp3', would extract 'My Song' as the title and 'My Artist' as the artist, while importing it into cart 123456 in the TEMP group.

`--normalization-level=level` Specify the *level* to use for peak normalizing the audio, in dBFS. Specifying 0 will turn off normalization.

`--output-pattern=pattern` Specify a *pattern* string (which may include metadata wildcards), which will cause **rdimport**(1) to print this string to standard output once for each file successfully imported, with the wildcards appropriately resolved.

See the `--metadata-pattern` section (above) for the list of supported wildcards.

`--segue-length=length` Length of the added segue in *length* msecs. See `--segue-level`, below.

`--segue-level=level` Specify the threshold *level* to use for setting the segue start marker, in dBFS, as measured after any specified normalization has been applied. Default action is not to create segue markers.

`--send-mail` Send e-mail to the address(es) specified in the destination group's Notification E-Mail Addresses setting in **rdadmin**(1) summarizing the action(s) performed during the run. Each invocation of **rdimport**(1) will potentially generate one message for all successful imports and another for all failed imports (but see the `--mail-per-file` switch (above) for a way to modify this behavior).

NOTE: Rivendell uses the system's **sendmail**(1) interface when originating e-mail. For many modern e-mail setups, additional site- and distro-specific configuration will likely be necessary beyond what can be covered here.

`--set-datetimes=start-datetime,end-datetime` Set the cut start and end datetimes, in the format YYYYMMDD-HHMMSS. Mutually exclusive with `--clear-datetimes`.

`--set-daypart-times=start-time,end-time` Set the cut start and end datetimes, in the format HHMMSS. Mutually exclusive with `--clear-daypart-times`.

`--set-marker-end-marker=offset` Set the *marker* end marker to a given offset value, with *offset* specified in milliseconds. If positive, it is taken to indicate a marker position relative to the absolute beginning of the audio cut, while

if negative, it is taken to indicate a marker position relative to the absolute end of the audio cut.

The following *marker* values are recognized:

cut The Cut markers

hook The Hook markers

segue The Segue markers

talk The Talk markers

--set-marker-fade-down=offset Set the FadeDown marker to *offset*. See the discussion of the **--set-marker-end-marker** option above for a description of the *offset* parameter.

--set-marker-fadeup=offset Set the FadeUp marker to *offset*. See the discussion of the **--set-marker-end-marker** option above for a description of the *offset* parameter.

--set-marker-start-marker=offset Set the *marker* start marker to a given offset value, with *offset* specified in milliseconds. See the discussion of the **--set-marker-end-marker** option above for a description of the *marker* and *offset* parameters.

--set-string-field=string Set the cart label field *field* to *string*. This will override any other values --e.g. from **--metadata-pattern**.

Values recognized for *field* are:

agency	Agency Name
album	Album Name
artist	Artist Name
bpm	Beats per Minute (integer numeric)
client	Client Name
composer	Composer Name
conductor	Conductor Name
description	Cut Description
isci	Industry Standard Commercial Identification [ISCI] Code
isrc	International Standard Recording Code [ISRC]
label	Record Label Name (rights holder)
outcue	Cut Outcue
publisher	Music Publisher (rights holder)

	recording-mbid	MusicBrainz Recording ID
	release-mbid	MusicBrainz Release ID
	song-id	Song ID
	title	Title
	user-defined	Miscellaneous Information
	year	Year Released (four digit numeric)
<code>--set-user-defined=<i>string</i></code>		Deprecated. Use <code>--set-string-user-defined</code> instead.
<code>--single-cart</code>		If more than one file is imported, place them within multiple cuts within a single cart, rather than creating separate carts for each file.
<code>--startdate-offset=<i>days</i></code>		If the imported file references a start date, add <i>days</i> days to it.
<code>--title-from-cartchunk-cutid</code>		Set the cart title from CartChunk CutID.
<code>--ticket=<i>ticket-hash:ipv4-address</i></code>		Run rdimport (1) as the Rivendell user specified by <i>ticket</i> rather than as the currently "logged in" user.
<code>--to-cart=<i>cartnum</i></code>		Import into cart <i>cartnum</i> , rather than using the next available cart number for the group. If the cart does not exist, it will be created. Each file will be imported into a separate new cut within the cart. Use of this option implies <code>--single-cart</code> and is mutually exclusive with <code>--use-cartchunk-cutid</code> .
<code>--to-mono</code>		Import the file as a monaural cut. If the file is stereo, both left and right channels will be mixed together.
<code>--update-metadata</code>		Attempt to update the library metadata from the embedded data in the source audio file when importing <i>new</i> audio into an <i>existing</i> cart.
<code>--use-cartchunk-cutid</code>		Import the audio into the cart specified by the CartChunk CutID parameter associated with the file. If the cart does not exist, it will be created. Use of this option is mutually exclusive with <code>--to-cart</code> .
<code>--verbose</code>		Print progress messages during processing.
<code>--version</code>		Output version information and exit.
<code>--xml</code>		Attempt to read file metadata in RDXML format from the file <i>basename.xml</i> . This option is mutually exclusive with the <code>--metadata-pattern</code> option.

THE DROPBOX SCANNING ALGORITHM

When operating in *dropbox mode*, **rdimport**(1) will repeatedly scan (by default, every **5** seconds) each file that matches the *filespec*, noting the file's size. Only after the size remains unchanged after a certain number of scans (default value **3**) will further processing of the file (importation and, optionally, deletion)

be carried out. This is done to ensure that the complete file payload has been transferred to the *filepath* location before processing begins.

The default values should yield reliable results in the great majority of situations, but in certain cases -- e.g. file transfers utilizing very slow links-- it may be necessary to increase the default values. Typical indications that this is needed are transferred files that get "stuck" in the *filepath* or truncated imports. The values can be increased by means of the `--drop-box-scan-count` and `--drop-box-scan-interval` options. However, note that increasing these values will result in a correspondingly larger lag between the time that a file is transferred and commencement of processing.

Exit Values

: 0
: Normal exit
: 2
: Unable to open database
: 4
: Unknown/invalid command line option
: 13
: One or more audio imports failed
: 14
: Unknown dropbox ID
: 15
: No such group
: 16
: Invalid cart number
: 17
: No such scheduler code

NOTES

It may be necessary to enclose individual *filespec* clauses in quotes in order to protect wildcard characters from expansion by the shell. A typical indicator that this is necessary is the failure of **rdimport(1)** to process newly added files when running in DropBox mode.

BUGS

It could be argued that RMS rather than peak normalization would be more appropriate for use with the `--normalization-level` option.

See Also

sendmail(1) , rdexport(1) , rdmarkerset(8)