
Rivendell Web Interface API

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Table of Contents

Data Types	2
Authentication	2
Username / Password	2
Ticket	2
Result Reporting	3
AddCart	3
AddCut	3
AddLog	4
AssignSchedCode	4
AudioInfo	4
AudioStore	5
CreateTicket	5
DeleteAudio	5
DeleteLog	5
EditCart	6
EditCut	7
Export	8
ExportPeaks	9
Import	9
ListCart	10
ListCarts	10
ListCartSchedCodes	11
ListCut	11
ListCuts	11
ListGroup	12
ListGroups	12
ListLog	12
ListLogs	13
ListSchedulerCodes	13
ListServices	13
ListSystemSettings	14
LockLog	14
Rehash	14
RemoveCart	15
RemoveCut	15
SaveFile	15
SaveLog	15
SaveString	18
TrimAudio	18
UnassignSchedCode	18

Data Types

Table 1. Data Types

TYPE	DESCRIPTION
DateTime	xs:dateTime format string: <code>YYYY-MM-DDTHH:MM:SS[Z][+HH:MM][-HH:MM]</code> If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.
Date	xs:date format string: <code>YYYY-MM-DD[Z][+HH:MM][-HH:MM]</code> If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.
Time	xs:time format string: <code>HH:MM:SS[Z][+HH:MM][-HH:MM]</code> If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.
String	Text data, encoded

Authentication

With the exception of the **CreateTicket** command, all commands in this API must be authenticated by one of the following two methods:

Username / Password

Table 2. Username/Password Authentication Fields

FIELD NAME	MEANING	REMARKS
LOGIN_NAME	Rivendell User Name	Mandatory
PASSWORD	Login Password	Mandatory

Ticket

Table 3. Ticket Authentication Fields

FIELD NAME	MEANING	REMARKS
TICKET	40 character ticket code, obtained from a previous CreateTicket call.	Mandatory

Result Reporting

Commands that return an error or do not return specialized data types (e.g. audio data for the Export command) will return an XML document describing the result of the command, in the following format:

```
<RDWebResult>
  <ResponseCode>resp_code</ResponseCode>
  <ErrorString>resp_string</ErrorString>
  <AudioConvertError>conv_error_code</AudioConvertError>
</RDWebResult>
```

resp_code The HTTP result code, as defined in RFC2616

resp_string A text string describing the result, suitable for displaying in a UI

conv_error_code An extended error code from the audio converter routines. These values are defined in the `RDAudioConvert::ErrorCode` enumeration in `lib/rdaudioconvert.h`. This parameter is optional.

AddCart

Add a new cart

Command Code: `RDXPORT_COMMAND_ADDCART`

Required User Permissions: `Create Carts`

A 403 error will be returned if the requested cart number is not within the configured range for the specified group and 'Enforce Cart Range' is set in `RDAdmin->ManageGroups`.

Table 4. AddCart Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	12	Mandatory
GROUP_NAME	Name of Group	Mandatory
TYPE	Cart type	Valid values are "audio" or "macro"
CART_NUMBER	Number of Cart	Optional, default is to use next available cart number for specified group

AddCut

Add a new cut to an existing cart

Command Code: `RDXPORT_COMMAND_ADDCUT`

Required User Permissions: `Edit Audio`

A 404 error will be returned if the requested cart number is not authorized for the specified Rivendell user in `RDAdmin->ManageUsers->AssignGroupPerms`.

Table 5. AddCut Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	10	Mandatory
CART_NUMBER	Number of Cart	Mandatory

AddLog

Add a new log

Command Code: RDXPORT_COMMAND_ADDLOG

Required User Permissions: Create Log

Table 6. AddLog Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	29	Mandatory
LOG_NAME	Name of log to be created.	Mandatory
SERVICE_NAME	Name of the service to own the new log.	Mandatory

AssignSchedCode

Assign a scheduler code to an existing cart

Command Code: RDXPORT_COMMAND_ASSIGNSCHEDCODE

Required User Permissions: Modify Carts

A 404 error will be returned if the specified cart number is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 7. AssignSchedCode Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	25	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CODE	Scheduler Code to assign	Mandatory

AudioInfo

Get information about an entry in the audio store

Command Code: RDXPORT_COMMAND_AUDIOINFO

Required User Permissions: none

Table 8. AudioInfo Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	19	Mandatory

FIELD NAME	MEANING	REMARKS
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory

AudioStore

Get information about the audio store

Command Code: RDXPORT_COMMAND_AUDIOSTORE

Required User Permissions: none

Table 9. AudioStore Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	23	Mandatory

CreateTicket

Create an authorization ticket for a given user/client IP address

Command Code: RDXPORT_COMMAND_CREATETICKET

Required User Permissions: none

Table 10. CreateTicket Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	31	Mandatory
LOGIN_NAME	Rivendell User Name	Mandatory
PASSWORD	Login Password	Mandatory

DeleteAudio

Delete PCM/MPEG data from the audio store

Command Code: RDXPORT_COMMAND_DELETEAUDIO

Required User Permissions: Delete Carts

Table 11. DeleteAudio Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	3	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory

DeleteLog

Delete a log

Command Code: RDXPORT_COMMAND_DELETELOG

Required User Permissions: Delete Log

Table 12. DeleteLog Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	30	Mandatory
LOG_NAME	Name of log to be deleted.	Mandatory

EditCart

Write metadata changes for an existing cart into the database

Command Code: RDXPORT_COMMAND_EDITCART

Required User Permissions: Modify Carts

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms, or if it is attempted to assign the cart to such a group.

A 409 error will be returned if the requested cart's number falls outside the valid range for the requested GROUP_NAME.

If the tags for an 'optional' field are omitted, then the respective parameter on the target cart will be left unchanged.

Table 13. EditCart Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	14	Mandatory
CART_NUMBER	Number of Cart	Mandatory
INCLUDE_CUTS	Include cut data in return, 0 = no, 1 = yes	Optional, default is 0
GROUP_NAME	Set Rivendell group	Optional
TITLE	Set Title	Optional
ARTIST	Set Artist	Optional
ALBUM	Set Album	Optional
YEAR	Set Year	Optional
LABEL	Set Record Label	Optional
CLIENT	Set Client	Optional
AGENCY	Set Agency	Optional
PUBLISHER	Set Publisher	Optional
COMPOSER	Set Composer	Optional
USER_DEFINED	Set User Defined	Optional
USAGE_CODE	Set Usage Code	Optional
ENFORCE_LENGTH	Set Enforce Length State	Optional, Numeric, 0 = No, 1 = Yes
FORCED_LENGTH	Set Forced Length	Optional, in milliseconds

FIELD NAME	MEANING	REMARKS
ASYNCHRONOUS	Set Asynchronous	Optional, Numeric, 0 = No, 1 = Yes
OWNER	Set Owner	Optional
NOTES	Set Notes Text	Optional

EditCut

Write metadata changes for an existing cut into the database

Command Code: RDXPORT_COMMAND_EDITCUT

Required User Permissions: Edit Audio

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

If the tags for an 'optional' field are omitted, then the respective parameter on the target cart will be left unchanged.

Table 14. EditCut Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	15	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory
EVERGREEN	Set the Evergreen Flag, valid values are 0 = no, 1 = yes	Optional
DESCRIPTION	Set Description	Optional
OUTCUE	Set Outcue	Optional
ISRC	Set International Standard Recording Code	Optional
ISCI	Set International Standardized Commercial Identifier	Optional
START_DATETIME	Set Start Date/Time	Optional, RFC-822 or XML xs:dateTime format
END_DATETIME	Set End Date/Time	Optional, RFC-822 or XML xs:dateTime format
MON	Set Monday daypart flag	Optional, 0 = no, 1 = yes
TUE	Set Tuesday daypart flag	Optional, 0 = no, 1 = yes
WED	Set Wednesday daypart flag	Optional, 0 = no, 1 = yes
THU	Set Thursday daypart flag	Optional, 0 = no, 1 = yes
FRI	Set Friday daypart flag	Optional, 0 = no, 1 = yes
SAT	Set Saturday daypart flag	Optional, 0 = no, 1 = yes
SUN	Set Sunday daypart flag	Optional, 0 = no, 1 = yes
START_DAYPART	Set Start daypart time	Optional, XML xs:time format

FIELD NAME	MEANING	REMARKS
END_DAYPART	Set End daypart time	Optional, XML xs:time format
WEIGHT	Set rotation weight	Optional, numeric
START_POINT	Set Start Marker position	Optional, mS from absolute start of audio data
END_POINT	Set End Marker position	Optional, mS from absolute start of audio data
FADEUP_POINT	Set Fadeup Marker position	Optional, mS from absolute start of audio data
FADEDOWN_POINT	Set Fadedown Marker position	Optional, mS from absolute start of audio data
SEGUE_START_POINT	Set Segue Start Marker position	Optional, mS from absolute start of audio data
SEGUE_END_POINT	Set Segue End Marker position	Optional, mS from absolute start of audio data
HOOK_START_POINT	Set Hook Start Marker position	Optional, mS from absolute start of audio data
HOOK_END_POINT	Set Hook End Marker position	Optional, mS from absolute start of audio data
TALK_START_POINT	Set Talk Start Marker position	Optional, mS from absolute start of audio data
TALK_END_POINT	Set Talk End Marker position	Optional, mS from absolute start of audio data

Export

Export audio data from the audio store

Command Code: RDXPORT_COMMAND_EXPORT

Required User Permissions: none

Table 15. Export Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	1	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory
FORMAT	Encoding format of exported data	Mandatory, 0 = PCM16 WAV, 2 = MPEG L2 native, 3 = MPEG L3 native, 4 = FLAC, 5 = OggVorbis, 6 = MPEG L2 WAV, 7 = PCM24 WAV
CHANNELS	Number of audio channels	Mandatory
SAMPLE_RATE	Sample rate	Mandatory, in samples/sec
BIT_RATE	Bit rate	Mandatory, set to '0' for PCM or VBR

FIELD NAME	MEANING	REMARKS
QUALITY	Quality Level	Mandatory, used only by OggVorbis, set to '0' for others
START_POINT	Start point of audio export	Mandatory, mS from absolute start of stored audio
END_POINT	End point of audio export	Mandatory, mS from absolute start of stored audio
NORMALIZATION_LEVEL	Normalization level, in dBFS	Mandatory, 0 = No normalization
ENABLE_METADATA	Include metadata in export	Mandatory, 0 = no, 1 = yes

ExportPeaks

Export audio peak data from the audio store

Command Code: RDXPORT_COMMAND_EXPORT

Required User Permissions: none

A 404 error will be returned if the requested cart is not authorized for the specified Rivendell user in RDAdmin->ManageUsers->AssignGroupPerms.

Table 16. ExportPeaks Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	16	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory

Import

Import audio data into the audio store

Command Code: RDXPORT_COMMAND_IMPORT

Required User Permissions: Edit Audio

A 404 error will be returned if the requested cart is not authorized for the specified Rivendell user in RDAdmin->ManageUsers->AssignGroupPerms or if the system is configured to require unique titles and a non-unique title is provided in the TITLE field.

NOTE: The method must be called with 'multipart/form-data' encoding.

If the CREATE field is set to '1', a valid GROUP_NAME specified and both CART_NUMBER and CUT_NUMBER fields are set to zero, the system will attempt to create a new cart/cut in the specified group. If successful, the cart and cut numbers will be returned as part of the RDWebResult return.

Table 17. Import Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	2	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory

FIELD NAME	MEANING	REMARKS
CHANNELS	Number of audio channels	Mandatory
NORMALIZATION_LEVEL	Normalization level, in dBFS	Mandatory, 0 = no normalization
AUTOTRIM_LEVEL	Autotrim level, in dBFS	Mandatory, 0 = no autotrim
USE_METADATA	Apply source metadata to cart	Mandatory, 0 = No, 1 = Yes
CREATE	Create cart/cut if it does not exist	Optional, 0 = No, 1 = Yes
GROUP_NAME	Add newly created cart/cut to specified group.	Optional
TITLE	The TITLE value for the imported audio. This will override any value found in in-file metadata.	Optional
FILENAME	Binary file data	Mandatory

ListCart

Return information about a specified cart

Command Code: RDXPORT_COMMAND_LISTCART

Required User Permissions: none

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 18. ListCart Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	7	Mandatory
CART_NUMBER	Number of Cart	Mandatory
INCLUDE_CUTS	Include cut information in return	Optional, 0 = no, 1 = yes, default is 1

ListCarts

Return information about a set of carts

Command Code: RDXPORT_COMMAND_LISTCARTS

Required User Permissions: none

Only those carts that belong to groups authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms will be returned.

Table 19. ListCarts Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	6	Mandatory
GROUP_NAME	Limit returns to members of specified group	Optional, default is to search all available carts

FIELD NAME	MEANING	REMARKS
INCLUDE_CUTS	Include cut information in return	Optional, 0 = no, 1 = yes, default is 1
FILTER	Limit returns to carts containing specified space-separated keyword(s)	Optional, default is to apply no filtering
TYPE	Limit returns to carts of the specified type	Optional, valid values are 'audio' or 'macro'

ListCartSchedCodes

Return information about all scheduler codes assigned to a cart

Command Code: RDXPORT_COMMAND_LISTCARTSCHEDCODES

Required User Permissions: none

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 20. ListCartSchedCodes Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	27	Mandatory
CART_NUMBER	Number of Cart	Mandatory

ListCut

Return information about a specified cut

Command Code: RDXPORT_COMMAND_LISTCUT

Required User Permissions: none

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 21. ListCut Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	8	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CUT_NUMBER	Number of Cut	Mandatory

ListCuts

Return information about all cuts belonging to a cart

Command Code: RDXPORT_COMMAND_LISTCUTS

Required User Permissions: none

A 404 error will be returned if the requested cart belongs to a group that is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 22. ListCuts Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	9	Mandatory
CART_NUMBER	Number of Cart	Mandatory

ListGroup

Return information about a specified group

Command Code: RDXPORT_COMMAND_LISTGROUP

Required User Permissions: none

A 404 error will be returned if the requested group is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 23. ListGroup Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	5	Mandatory
GROUP_NAME	Name of group	Mandatory

ListGroups

Return information about all available groups

Command Code: RDXPORT_COMMAND_LISTGROUPS

Required User Permissions: none

The set of returned groups will be tailored according to what the specified Rivendell user is authorized to see in RAdmin->ManageUsers->AssignGroupPerms.

Table 24. ListGroups Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	4	Mandatory

ListLog

Return a listing of the specified log

Command Code: RDXPORT_COMMAND_LISTLOG

Required User Permissions: none

Table 25. ListLog Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	22	Mandatory
NAME	The name of the log	Mandatory

ListLogs

Return information about one or more logs

Command Code: RDXPORT_COMMAND_LISTLOGS

Required User Permissions: none

Table 26. ListLogs Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	20	Mandatory
SERVICE_NAME	Limit returns to logs that are owned by specified service	Optional. Default is to return all logs.
LOG_NAME	Return the log with this name.	Optional. Default is to return all logs.
TRACKABLE	Limit returns to logs that contain one or more voicetrack slots	Optional, valid values 0=no, 1=yes. Default is to return all logs.
FILTER	Limit returns to logs that contain the specified string in the Name, Description or Service fields.	Optional. Default is to return all logs.
RECENT	Limit returns to the 14 most recently created logs.	Optional, valid values 0=no, 1=yes. Default is to return all logs.

ListSchedulerCodes

Return information about all available scheduler codes

Command Code: RDXPORT_COMMAND_LISTSCHEDCODES

Required User Permissions: none

Table 27. ListSchedCodes Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	24	Mandatory

ListServices

Return information about all available services

Command Code: RDXPORT_COMMAND_LISTSERVICES

Required User Permissions: none

Table 28. ListServices Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	21	Mandatory

FIELD NAME	MEANING	REMARKS
TRACKABLE	Limits returns to services that have a valid voicetracking configuration	Optional, valid values 0=no, 1=yes. Default is to return all services

ListSystemSettings

Return information about system-wide settings

Command Code: RDXPORT_COMMAND_LISTSYSTEMSETTINGS

Required User Permissions: none

Table 29. ListSystemSettings Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	33	Mandatory

LockLog

Set / Update / Clear a log lock

Command Code: RDXPORT_COMMAND_LOCKLOG

Required User Permissions: none

Table 30. LockLog Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	34	Mandatory
OPERATION	Operation to Perform	Mandatory. Possible values: CREATE UPDATE CLEAR
LOG_NAME	Name of log	Mandatory
LOCK_GUID	Opaque GUID string, returned by the CREATE operation.	Mandatory. For CREATE, send an empty string.

Rehash

Generate a SHA-1 hash for a cut and write it to the database

Command Code: RDXPORT_COMMAND_REHASH

Required User Permissions: None

Table 31. Rehash Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	32	Mandatory
CART_NUMBER	Number of cart	Mandatory
CUT_NUMBER	Number of cut	Mandatory

RemoveCart

Remove a cart from the Library

Command Code: RDXPORT_COMMAND_REMOVECART

Required User Permissions: Delete Cart

Table 32. RemoveCart Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	13	Mandatory
CART_NUMBER	Number of cart	Mandatory

RemoveCut

Remove an existing cut from a cart

Command Code: RDXPORT_COMMAND_REMOVECUT

Required User Permissions: Edit Audio

Table 33. RemoveCut Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	11	Mandatory
CART_NUMBER	Number of cart	Mandatory
CUT_NUMBER	Number of cut	Mandatory

SaveFile

Write a specified file to the '/tmp' directory. (Test only)

Command Code: RDXPORT_COMMAND_SAVEFILE

Required User Permissions: none

NOTE: The method must be called with 'multipart/form-data' encoding.

Table 34. SaveString Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	36	Mandatory
FILENAME	Binary file data	Mandatory

SaveLog

Save a log to the Rivendell Database

Command Code: RDXPORT_COMMAND_SAVELOG

Required User Permissions: none

Table 35. ListLogs Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	28	Mandatory.
LOG_NAME	Save the log to this name. If it does not already exist, it will be created.	Mandatory. String, 64 characters max.
SERVICE_NAME	The name of the Service to which the log belongs.	Mandatory. String, 10 characters max.
LOCK_GUID	The GUID string, obtained from the LockLog API call.	Optional. If not provided, the service will attempt to acquire a lock before processing the save.
DESCRIPTION	The Description field.	Mandatory. String, 64 characters max.
PURGE_DATE	The date on which the log should be automatically deleted.	Mandatory. Date.
AUTO_REFRESH	Enable/disable auto-refresh.	Mandatory. Boolean.
START_DATE	The Start Date.	Mandatory. Date.
END_DATE	The End Date.	Mandatory. Date.
LINE_QUANTITY	The number of log line entries in this call.	Mandatory. Positive integer.
LINE _{num} _ID	Integer Id.	Mandatory. Unique positive integer.
LINE _{num} _TYPE	Event type.	Mandatory. One of the following key words: Audio Chain Macro Marker Track MusicLink TrafficLink
LINE _{num} _CART_NUMBER	Cart number for Audio or Macro events.	Mandatory. Positive integer in the range 0 - 999999.
LINE _{num} _START_TIME	Event start time.	Mandatory. Integer, expressing milliseconds past midnight.
LINE _{num} _GRACE_TIME	Event start time.	Mandatory. Integer, expressing milliseconds.
LINE _{num} _TIME_TYPE	Start time type.	Mandatory. One of the following key words: Hard Relative
LINE _{num} _TRANS_TYPE	Event transition type.	Mandatory. One of the following key words: Play

FIELD NAME	MEANING	REMARKS
		Segue Stop
LINEnum_START_POINT	Start point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_END_POINT	End point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_SEGUE_START_POINT	Segue start point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_SEGUE_END_POINT	Segue end point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_FADEUP_POINT	FadeUp point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_FADEUP_GAIN	Gain for FadeUp events.	Mandatory. 1/100 dBFS.
LINEnum_FADEDOWN_POINT	FadeDown point for one-off (voice-tracked) play-outs.	Mandatory. Positive integer, or -1 if not defined.
LINEnum_FADEDOWN_GAIN	Gain for FadeDown events.	Mandatory. 1/100 dBFS.
LINEnum_DUCK_UP_GAIN	Duck Up level for one-off (voice-tracked) play-outs.	Mandatory. Negative integer, or 0 if not defined.
LINEnum_DUCK_DOWN_GAIN	Duck Down level for one-off (voice-tracked) play-outs.	Mandatory. Negative integer, or 0 if not defined.
LINEnum_COMMENT	Marker and Track event body text.	Mandatory. String, max length 255.
LINEnum_LABEL	Marker and Track event label text.	Mandatory. String, max length 64.
LINEnum_ORIGIN_USER	User name for one-off (voice-tracked) events.	Mandatory. String, max length 255.
LINEnum_ORIGIN_DATETIME	Date/time stamp for one-off (voice-tracked) events.	Mandatory. DateTime value.
LINEnum_EVENT_LENGTH	Link event length, in mS.	Mandatory. Integer.
LINEnum_LINK_EVENT_NAME	Link event name.	Mandatory. String, max length 64.
LINEnum_LINK_START_TIME	Link event start time, in mS past midnight.	Mandatory. Integer.
LINEnum_LINK_LENGTH	Link event length, in mS.	Mandatory. Integer.
LINEnum_LINK_START_SLOP	Link event start slop, in mS.	Mandatory. Integer.
LINEnum_LINK_END_SLOP	Link event end slop, in mS.	Mandatory. Integer.
LINEnum_LINK_ID	Link event id.	Mandatory. Integer.
LINEnum_LINK_EMBEDDED	Link event embedded flag.	Mandatory. Boolean.
LINEnum_EXT_START_TIME	External data start time.	Mandatory. Time value.
LINEnum_EXT_LENGTH	External data length.	Mandatory. Integer.
LINEnum_EXT_CART_NAME	External data cart name.	Mandatory. String, max length 32.

FIELD NAME	MEANING	REMARKS
LINE _{num} _EXT_DATA	External data data field.	Mandatory. String, max length 32.
LINE _{num} _EXT_EVENT_ID	External data event id.	Mandatory. String, max length 32.
LINE _{num} _EXT_ANNC_TYPE	External data announcement type.	Mandatory. String, max length 8.

SaveString

Write a specified string to the syslog. (Test only)

Command Code: RDXPORT_COMMAND_SAVESTRING

Required User Permissions: none

Table 36. SaveString Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	35	Mandatory
STRING	UTF-8 String	Mandatory

TrimAudio

Return a time pointer to the first or last instance of a particular level in a cut.

Command Code: RDXPORT_COMMAND_TRIMAUDIO

Required User Permissions: Edit Audio

A 404 error will be returned if the requested cart is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 37. TrimAudio Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	17	Mandatory
CART_NUMBER	Number of cart	Mandatory
CUT_NUMBER	Number of cut	Mandatory
TRIM_LEVEL	Level in 1/100 dB, relative to Rivendell reference level (-16 dBFS)	Mandatory

UnassignSchedCode

Unassign a scheduler code from an existing cart

Command Code: RDXPORT_COMMAND_UNASSIGNSCHEDCODE

Required User Permissions: Modify Carts

A 404 error will be returned if the specified cart number is not authorized for the specified Rivendell user in RAdmin->ManageUsers->AssignGroupPerms.

Table 38. UnassignSchedCode Call Fields

FIELD NAME	MEANING	REMARKS
COMMAND	26	Mandatory
CART_NUMBER	Number of Cart	Mandatory
CODE	Scheduler Code to assign	Mandatory