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# Rivendell Web Interface API

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## Data Types

**Table 1. Data Types**

| TYPE     | DESCRIPTION                                                                                                                                                                                                       |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DateTime | <p>xs:dateTime format string: <i>YYYY-MM-DDTHH:M-M:SS[Z][+HH:MM][-HH:MM]</i></p> <p>If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.</p> |
| Date     | <p>xs:date format string: <i>YYYY-MM-DD[Z][+HH:MM][-HH:MM]</i></p> <p>If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.</p>               |
| Time     | <p>xs:time format string: <i>HH:MM:SS[Z][+HH:MM][-HH:MM]</i></p> <p>If no timezone information is specified, all values will be assumed to be in the local timezone of the processing system.</p>                 |
| 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 <b>CreateTicket</b> 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>
```

|                        |                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>resp_code</i>       | The HTTP result code, as defined in RFC2616                                                                                                                                                                     |
| <i>resp_string</i>     | A text string describing the result, suitable for displaying in a UI                                                                                                                                            |
| <i>conv_error_code</i> | An extended error code from the audio converter routines. These values are defined in the <code>RDAudioConvert::ErrorCode</code> enumeration in <code>lib/rdaudioconvert.h</code> . 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 RAdmin->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 |
| 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 |

## DeletePodcast

Delete posted podcast audio from the audio store

Command Code: RDXPORT\_COMMAND\_DELETE\_PODCAST

Required User Permissions: Delete Podcast, Feed Permission or Administer System

A 404 error will be returned if the requested podcast's parent feed is not authorized for the specified Rivendell user in RAdmin->ManageUsers->PodcastFeedPermissions.

**Table 13. DeletePodcast Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 39                           | Mandatory |
| ID         | ID of podcast item (integer) | Mandatory |

## DownloadRss

Download podcast RSS XML from the remote archive

### Note

The download is attempted using the *upload* URL and credentials!

Command Code: RDXPORT\_COMMAND\_DOWNLOAD\_RSS

Required User Permissions: Edit Podcast, Feed Permission or Administer System

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

**Table 14. DownloadRss Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 46                           | Mandatory |
| ID         | ID of podcast feed (integer) | 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 RDAAdmin->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 15. 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 16. 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 17. 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 RAdmin->ManageUsers->AssignGroupPerms.

**Table 18. ExportPeaks Call Fields**

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

## GetPodcast

Get posted podcast audio from the Rivendell audio store

Command Code: RDXPORT\_COMMAND\_GET\_PODCAST, Feed Permissions or Administer System

Required User Permissions: Edit Podcast, Feed Permission

A 404 error will be returned if the requested podcast's parent feed is not authorized for the specified Rivendell user in RAdmin->ManageUsers->PodcastFeedPermissions.

**Table 19. GetPodcast Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 37                           | Mandatory |
| ID         | ID of podcast item (integer) | 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 20. Import Call Fields**

| FIELD NAME          | MEANING                                                                                         | REMARKS                         |
|---------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| COMMAND             | 2                                                                                               | Mandatory                       |
| CART_NUMBER         | Number of Cart                                                                                  | Mandatory                       |
| CUT_NUMBER          | Number of Cut                                                                                   | Mandatory                       |
| 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 RDAdmin->ManageUsers->AssignGroupPerms.

**Table 21. 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 22. 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 |
| INCLUDE_CUTS | Include cut information in return                                       | Optional, 0 = no, 1 = yes, default is 1            |
| FILTER       | Limit returns to carts containing specified space-separated key-word(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 23. 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 24. 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 25. 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 26. 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 27. 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 28. 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 29. 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 30. 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 31. ListServices Call Fields**

| FIELD NAME | MEANING                                                                  | REMARKS                                                               |
|------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------|
| COMMAND    | 21                                                                       | Mandatory                                                             |
| 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 32. 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 33. LockLog Call Fields**

| FIELD NAME | MEANING | REMARKS   |
|------------|---------|-----------|
| COMMAND    | 34      | Mandatory |

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

## PostImage

Upload a podcast image to the remote archive

Command Code: RDXPORT\_COMMAND\_POST\_IMAGE

Required User Permissions: Administer System

**Table 34. PostImage Call Fields**

| FIELD NAME | MEANING               | REMARKS   |
|------------|-----------------------|-----------|
| COMMAND    | 44                    | Mandatory |
| ID         | ID of image (integer) | Mandatory |

## PostPodcast

Upload podcast audio from the audio store to the remote archive

Command Code: RDXPORT\_COMMAND\_POST\_PODCAST

Required User Permissions: Add Podcast, Feed Permission or Administer System

A 404 error will be returned if the requested podcast's parent feed is not authorized for the specified Rivendell user in RAdmin->ManageUsers->PodcastFeedPermissions.

**Table 35. PostPodcast Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 40                           | Mandatory |
| ID         | ID of podcast item (integer) | Mandatory |

## PostRss

Upload podcast RSS XML to the remote archive

Command Code: RDXPORT\_COMMAND\_POST\_RSS

Required User Permissions: Edit Podcast, Feed Permission or Administer System

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



**Table 36. PostRss Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 42                           | Mandatory |
| ID         | ID of podcast feed (integer) | Mandatory |

## 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 37. 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 38. 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 39. RemoveCut Call Fields**

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

## RemoveImage

Remove a podcast image from the remote archive

Command Code: RDXPORT\_COMMAND\_REMOVE\_IMAGE

Required User Permissions: Administer System

**Table 40. PostRss Call Fields**

| FIELD NAME | MEANING               | REMARKS   |
|------------|-----------------------|-----------|
| COMMAND    | 45                    | Mandatory |
| ID         | ID of image (integer) | Mandatory |

## RemovePodcast

Delete podcast audio from the remote archive

Command Code: RDXPORT\_COMMAND\_REMOVE\_PODCAST

Required User Permissions: Delete Podcast, Feed Permission or Administer System

A 404 error will be returned if the requested podcast's parent feed is not authorized for the specified Rivendell user in RAdmin->ManageUsers->PodcastFeedPermissions.

**Table 41. RemovePodcast Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 41                           | Mandatory |
| ID         | ID of podcast item (integer) | Mandatory |

## RemoveRss

Remove podcast RSS XML from the remote archive

Command Code: RDXPORT\_COMMAND\_REMOVE\_RSS

Required User Permissions: Delete Podcast, Feed Permission or Administer System

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

**Table 42. RemoveRss Call Fields**

| FIELD NAME | MEANING                      | REMARKS   |
|------------|------------------------------|-----------|
| COMMAND    | 43                           | Mandatory |
| ID         | ID of podcast feed (integer) | 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 43. 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 44. 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 <sub>num</sub> _ID   | Integer Id.                                                                  | Mandatory. Unique positive integer.                                                               |
| LINE <sub>num</sub> _TYPE | Event type.                                                                  | Mandatory. One of the following key words:<br><br><b>Audio Chain</b>                              |

| FIELD NAME                | MEANING                                                  | REMARKS                                                                                       |
|---------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                           |                                                          | <b>Macro</b><br><b>Marker</b><br><b>Track</b><br><b>MusicLink</b><br><b>TrafficLink</b>       |
| LINEnum_CART_NUMBER       | Cart number for Audio or Macro events.                   | Mandatory. Positive integer in the range 0 - 999999.                                          |
| LINEnum_START_TIME        | Event start time.                                        | Mandatory. Integer, expressing milliseconds past midnight.                                    |
| LINEnum_GRACE_TIME        | Event start time.                                        | Mandatory. Integer, expressing milliseconds.                                                  |
| LINEnum_TIME_TYPE         | Start time type.                                         | Mandatory. Integer enumeration, as follows:<br><br><b>0</b> - [Relative]<br><b>1</b> - [Hard] |
| LINEnum_TRANS_TYPE        | Event transition type.                                   | Mandatory. One of the following key words:<br><br><b>Play</b><br><b>Segue</b><br><b>Stop</b>  |
| 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.                                                            |

| FIELD NAME                   | MEANING                                             | REMARKS                           |
|------------------------------|-----------------------------------------------------|-----------------------------------|
| LI-<br>Nenum_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_EVEN-<br>T_NAME | Link event name.                                    | Mandatory. String, max length 64. |
| LINEnum_LINK_S-<br>TART_TIME | Link event start time, in mS past midnight.         | Mandatory. Integer.               |
| LINEnum_LINK_LENGTH          | Link event length, in mS.                           | Mandatory. Integer.               |
| LINEnum_LINK_S-<br>TART_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. |
| LINEnum_EXT_DATA             | External data data field.                           | Mandatory. String, max length 32. |
| LINEnum_EXT_EVENT_ID         | External data event id.                             | Mandatory. String, max length 32. |
| LINEnum_EXT_ANNC_TYPE        | External data announcement type.                    | Mandatory. String, max length 8.  |

## SavePodcast

Save posted podcast audio to the Rivendell audio store

Command Code: RDXPORT\_COMMAND\_SAVE\_PODCAST

Required User Permissions: Create Podcast, Feed Permission or Administer System

A 404 error will be returned if the requested podcast's parent feed is not authorized for the specified Rivendell user in RAdmin->ManageUsers->PodcastFeedPermissions.

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

**Table 45. SavePodcast Call Fields**

| FIELD NAME | MEANING                 | REMARKS   |
|------------|-------------------------|-----------|
| COMMAND    | 38                      | Mandatory |
| ID         | ID of podcast (integer) | Mandatory |
| FILENAME   | Binary file data        | Mandatory |

## SaveString

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

Command Code: RDXPORT\_COMMAND\_SAVESTRING

Required User Permissions: none

**Table 46. 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 47. 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 48. UnassignSchedCode Call Fields**

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