spacial.

SAM Broadcaster Cloud

User Guide

Appendices

Table of Contents

TABLE OF CONTENTS **2**
LIBRARY IMPORT UTILITIES **6**
Overview *6*
SAM BROADCASTER CLOUD FILE PATH DETECTION 6
File Path Preservation *6*
The problem explained by example *6*
The Solution *7*
Library Import Utility (Preserved paths) *7*
SAM Broadcaster Cloud & the Library Import Utility (combined) *7*
INSTALLATION **8**
PREREQUISITES **8**
DOWNLOAD **8**
Windows: LibraryImporter-install.exe *8*
Mac OS X and Linux: LibraryImporter-install.jar *8*
WINDOWS INSTALLATION **8**
LINUX/MAC OS X INSTALLATION **10**
POST-INSTALLATION **13**
WINDOWS 13
ImportTools-cmd.exe *14*
Uninstall.exe *14*
MAC OS X AND LINUX 14
Uninstaller *14*
LIBRARY IMPORT UTILITY **15**
OVERVIEW **15**
KEY BENEFITS: **15**
EXAMPLE USE CASES **15**
COMPONENTS **15**
WINDOWS 15
MAC OS X AND LINUX 15
PARAMETER DETAILS **16**
WINDOWS 16
MAC OS X OR LINUX 17
-L 17
Usage *17*
Example *17*
-I 17
Usage *17*
Example *17*
-A 17
Usage *17*
-MOF 18
Usage *18*
-CON 18

Usage *18*
-D 18
Single Directory Example *18*
Multiple Directory Example *18*
-S 18
Single Directory Example *18*
Multiple Directory Example *18*
-F 18
Single Examples *18*
Multiple Example *19*
-M 19
Single Examples *19*
Multiple Example *19*
-O 19
Usage *19*
Example *19*
-N 19
Usage *19*
-PP 19
Usage *19*
-T 19
Usage *20*
-USL 20
Usage *20*
-H 20
Usage *20*
-V 20
Usage *20*
USAGE EXAMPLES 20
EXAMPLE DIRECTORY STRUCTURE 20
SINGLE FILE UPLOAD 21
Windows *21*
Linux/Mac *21*
SINGLE DIRECTORY UPLOAD 21
Windows *21*
Linux/Mac *21*
DIRECTORY AND SUB-DIRECTORIES 21
Windows *21*
Linux/Mac *21*
MULTIPLE FILES 21
Windows *21*
Linux/Mac *21*
LIBRARY PLAYLIST UTILITY 21
INTRODUCTION 22
KEY BENEFITS 22
USAGE 22
WINDOWS 22
MAC OS X AND LINUX 23
PARAMETER DETAILS 24
WINDOWS 24
MAC OS X OR LINUX 24

-L 24
Usage *24*
Example *24*
-I 24
Usage *25*
Example *25*
-F 25
Single Example *25*
Multiple Example *25*
-Q 25
Usage *25*
-Q BOTTOM 25
-P 25
Usage *25*
Single Example *25*
Multiple Example *25*
-PC 26
Usage *26*
-C 26
Usage *26*
Single Example *26*
Multiple Example *26*
-MOF 26
Usage *26*
-ND 26
Usage *26*
Example *26*
Multiple Example *27*
-X 27
Usage *27*
Single Example *27*
Multiple Example *27*
-H 27
Usage *27*
USE CASES AND SAMPLES 27
BASIC SINGLE PLAYLIST UPLOAD 27
Windows *27*
Linux/Mac *27*
REMOVE ALL FILES IN THE PLAYLIST FILE FROM PLAYLIST "CLUBMIX" 27
Windows *27*
Linux/Mac *27*
CLEAR QUEUE AND REMOVE DUPLICATES IN THE "CLUBMIX" PLAYLIST 28
Windows *28*
Linux/Mac *28*
ADD TO QUEUE BOTTOM: 28
Windows *28*
Linux/Mac *28*
CREATE MULTIPLE ONLINE PLAYLISTS: 28
Windows *28*
Linux/Mac *28*

AUTOMATED SCHEDULING 29
OVERVIEW 29
SCHEDULING 29
Windows: 29
Linux 29
https://help.ubuntu.com/community/CronHowto 29
Mac OS X: 29
ANNEX A – TABLE OF FIGURES 30

Library Import Utilities

Overview

The Library Import Utilities are a collection of command line tools which can be used to upload media to the SAM Broadcaster Cloud and insert tracks, **which already exist in the SAM Broadcaster Cloud library**, into Playlists or Queues.

The **ImportUtil.exe** is used to upload tracks to the Cloud Library whilst the **PlaylistUtil.exe** is used to assign tracks which must already exist in the Cloud Library, into Playlists or the Queue.

SAM Broadcaster Cloud File Path Detection

It is important to understand how SAM Broadcaster Cloud handles paths when uploading media files to the cloud. We will highlight some important aspects and give you our recommendations.

File Path Preservation

Due to security restrictions the web browser upload facility does not send the full file path when importing tracks. Therefore you will notice all files imported via the web browser have a `/import/filename.mp3` path.

The problem is SAM Broadcaster Cloud uses the filename to determine if the file already exists in the library.

On the other hand, if you upload your media files with the Library Import Utility, you have the choice to either preserve the full original file path (for example: C:\Music\Filename.mp3) or to ignore the path completely and just match by filename only.

The problem explained by example

To better explain this, let's say you have an archived live show and you upload it from a folder on your computer from this file path via the SAM Broadcaster Cloud Web Interface:

```
C:\myshows\2014-11-20\myshow_hour1.mp3
```

That worked great, but as previously mentioned the file was imported using the "/import/" path. The end result is in your library you now have a file called filename.mp3 with the full path /import/myshow_hour1.mp3

If tomorrow you have another live show which you archive to:

```
C:\myshows\2014-11-21\myshow_hour1.mp3
```

Again you decide to upload this show into your online library. When it uploads it ends up in the import folder again like this:

```
/import/myshow_hour1.mp3
```

You would not be able to upload this track if the Upload Mode is set to Skip Existing as SAM Broadcaster Cloud will see it as the exact same file. If the upload mode is set to Overwrite then the track will be

replaced and if the upload mode is set to Metadata then the track will be refreshed but only any changes made to the track metadata will be uploaded.

The Solution

Well, there is actually more than one solution so let's first look at preserving the paths via the Library Import Utility.

Library Import Utility (Preserved paths)

The Library Import Utility allows you to upload tracks to your online library and it will by default, preserve the directory path as it is listed on your computer. Extending our example above, you now have the file you uploaded via the SAM Broadcaster Cloud Web Interface and it happily lives in your library as:

```
/import/myshow_hour1.mp3
```

If you have used the Library Import Utility to upload your show for the following day then this is also available in your library as the path has been preserved. The path for this track would therefore be:

```
C:\myshows\2014-11-21\myshow_hour1.mp3
```

If you tried to use the SAM Broadcaster Cloud Web Interface to upload this file, depending on the import mode selected it would either skip the import or replace the file as "`/import/myshow_hour1.mp3`" already exists in the library.

SAM Broadcaster Cloud & the Library Import Utility (combined)

We recommend this combined option where you can use the SAM Broadcaster Cloud Web Interface and the Library Import Utilities to upload your show.

The Library Import Utility also allows you to upload your shows to your online library and specify to ignore paths and "Match on Media Filename Only" (the -mof option). Let's look at our example above again, you now have the file you uploaded via the SAM Broadcaster Cloud Web Interface and it has been stored in your library as `/import/myshow_hour1.mp3`

Using the Library Import Utility with the -mof option enabled to upload your show for the next day, will lead to the path being ignored and the track will not upload as a track with this file path already exists as:

```
/import/myshow_hour1.mp3
```

As you can see, if we want to use the two systems in conjunction with each other we will have to look for a different strategy which will however require you to update your file naming convention.

We recommend making your file names unique and instead of naming your files:

```
C:\myshows\2014-11-20\myshow_hour1.mp3
C:\myshows\2014-11-21\myshow_hour1.mp3
```

We would recommend incorporating a unique identifier into the file name:

```
C:\myshows\2014_11_20_myshow_hour1.mp3
C:\myshows\2014_11_21_myshow_hour1.mp3
```

The above strategy will ensure you can use both the SAM Broadcaster Cloud Web Interface and the Library Import Utility together.

Installation

Prerequisites

- For this tool to work you need to have Java 7 or later installed on your system, follow this link to learn more about java: http://java.com/en/download/index.jsp
- Oracle JDK 7 or later is required for the Linux and Mac OS X Library Import Utility.
- A stable internet connection
- Valid SAM Broadcaster Cloud subscription

Download

Download the appropriate version for your operating system from:

http://spacial.com/library-import-utility

Locate and double-click the appropriate downloaded installation file:

Windows: LibraryImporter-install.exe

Mac OS X and Linux: LibraryImporter-install.jar

Windows Installation

To complete the Windows installation of the please follow these steps:

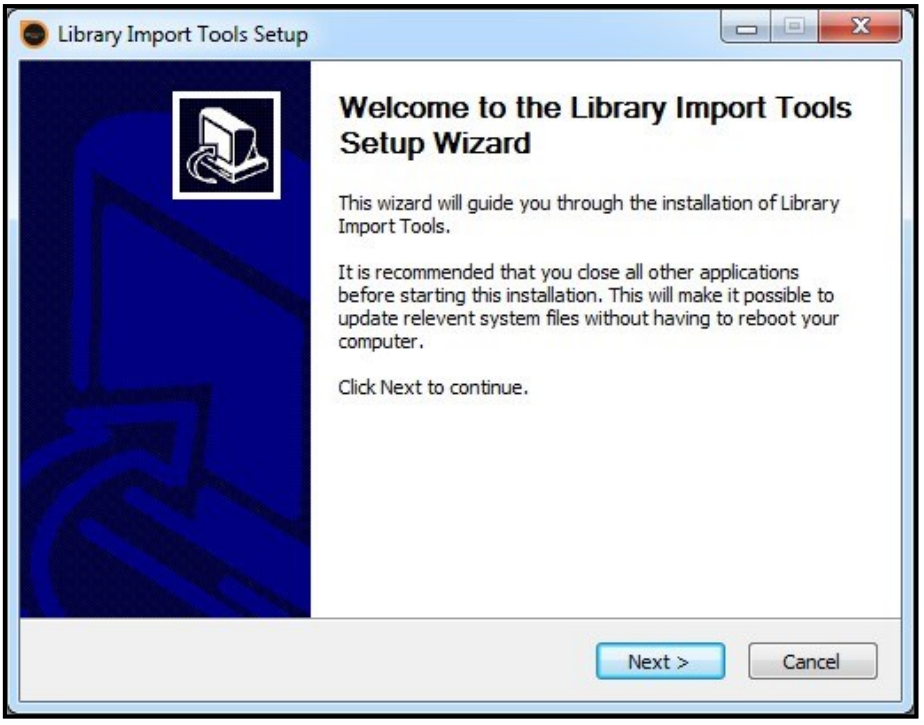

Figure 1 – Windows Installation

Click **Next** to being the installation…

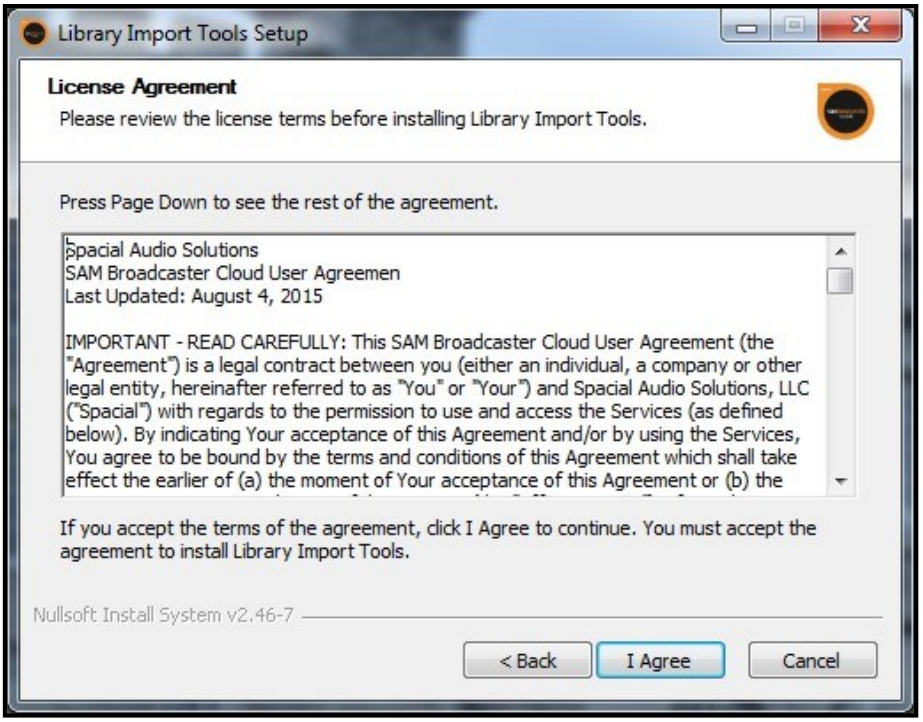

Figure 2 – Windows End User Licensing Agreement (EULA)

Read and click **I Agree** to accept the terms of the license agreement to install the software…

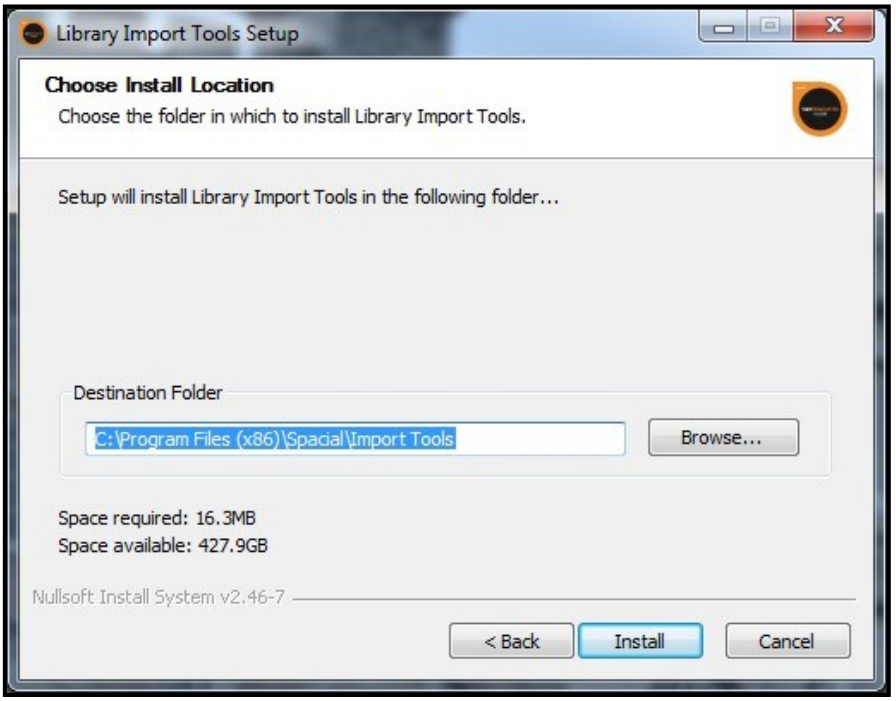

Figure 3 – Windows Select the Installation Folder

Accept the default installation directory or browse to your preferred directory to install the library importer tools and click **Install**…

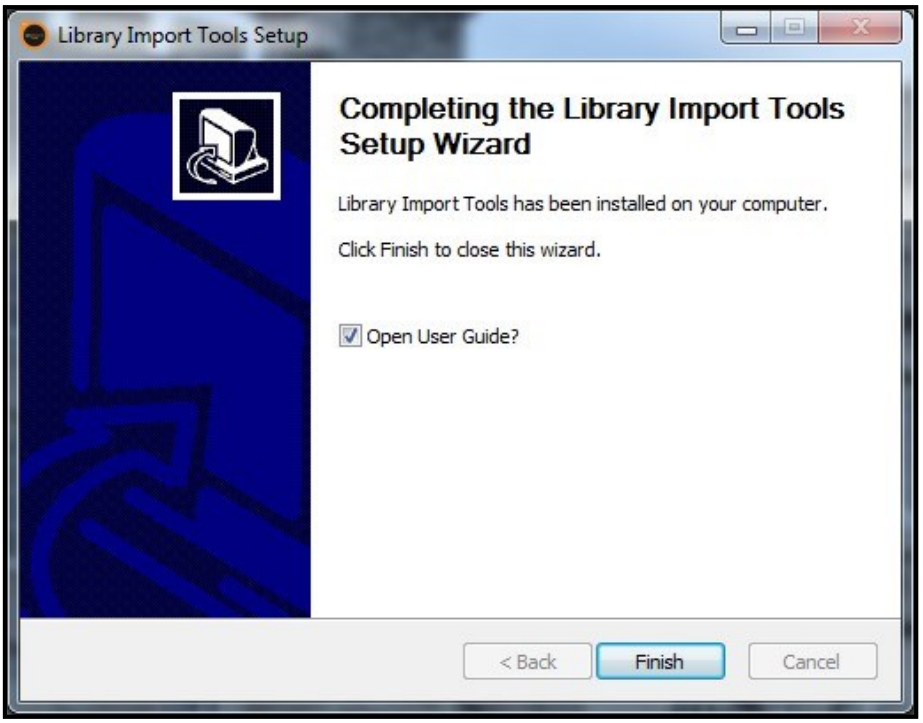

Figure 4 – Windows Installation Complete

Once the installation has completed, select whether you would like to open the User Guide or not and click **Finish**.

Linux/Mac OS X Installation

Open Terminal and navigate to the download directory.

Enter the following command:

```
java -jar LibraryImporter-install -console
```

Figure 5 – Mac/Linux GUIs Installation

Select the installation language and click **OK**…

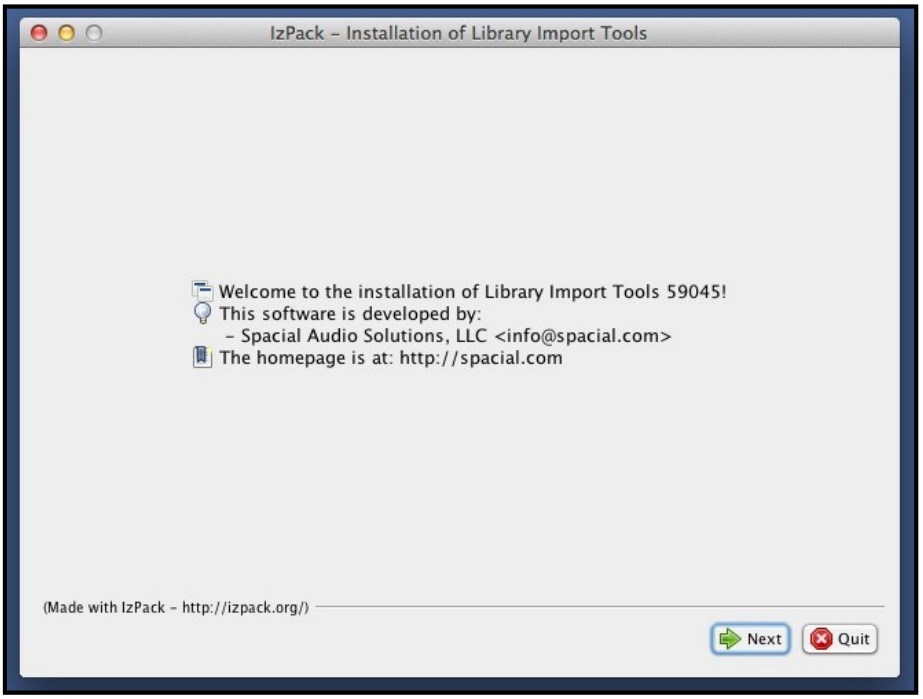

Figure 6 – Mac/Linux Installation

Click **Next** to continue…

Figure 7 – Mac/Linux End User Licensing Agreement (EULA)

Read the License agreement and click Next to accept the terms of the license agreement to install the software…

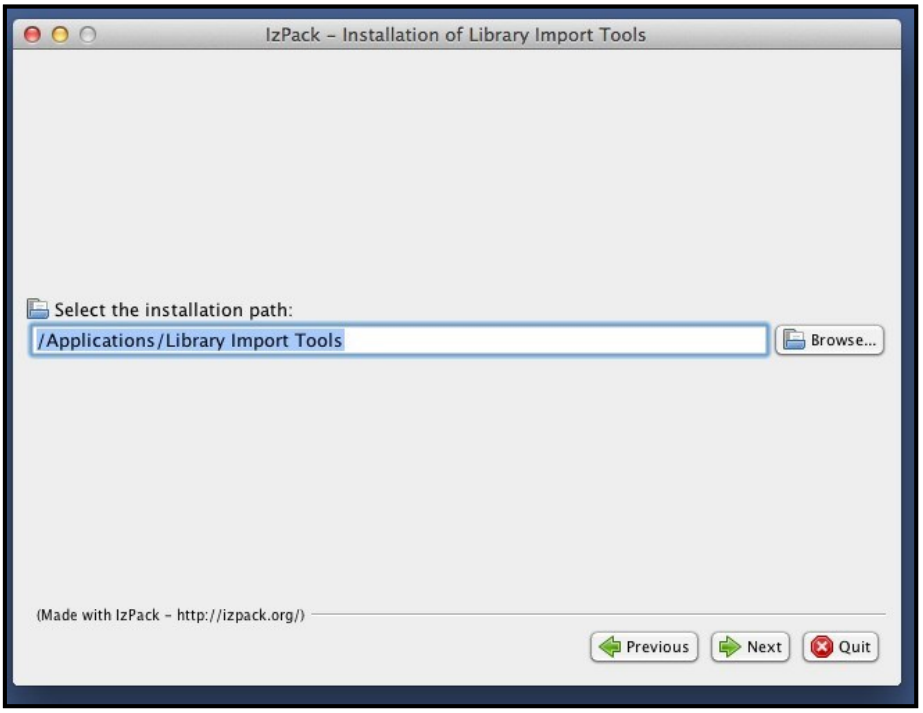

Figure 8 – Mac/Linux Select the Installation Folder

Accept the default installation directory or browse to your preferred directory to install the library importer tools and click **Next**...

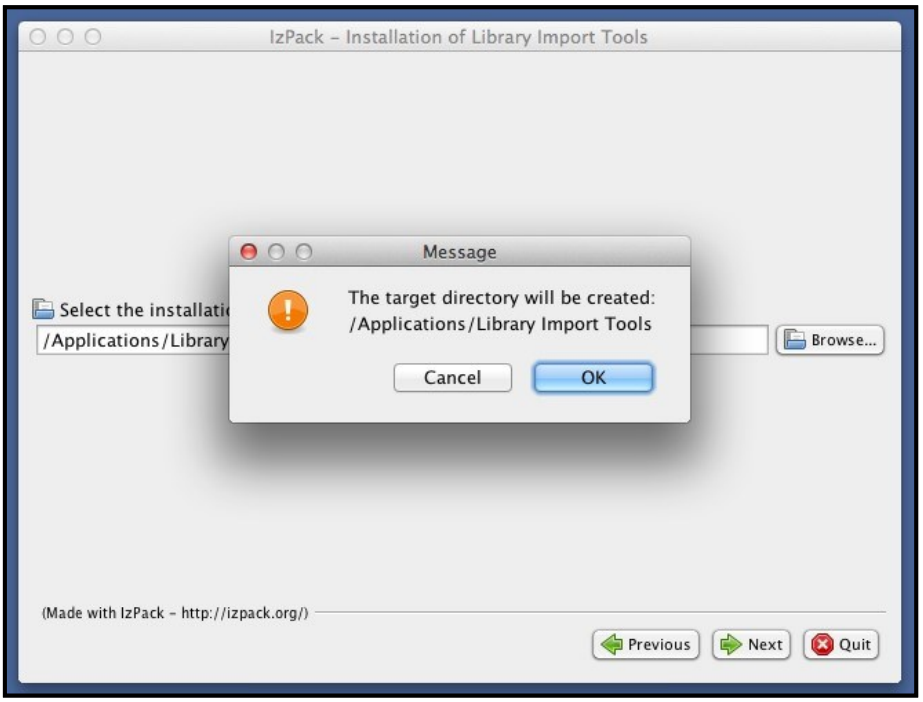

Figure 9 – Mac/Linus Creating the Target Directory

Select **OK** to create the directory if it does not already exist and click **Next** to create the target directory…

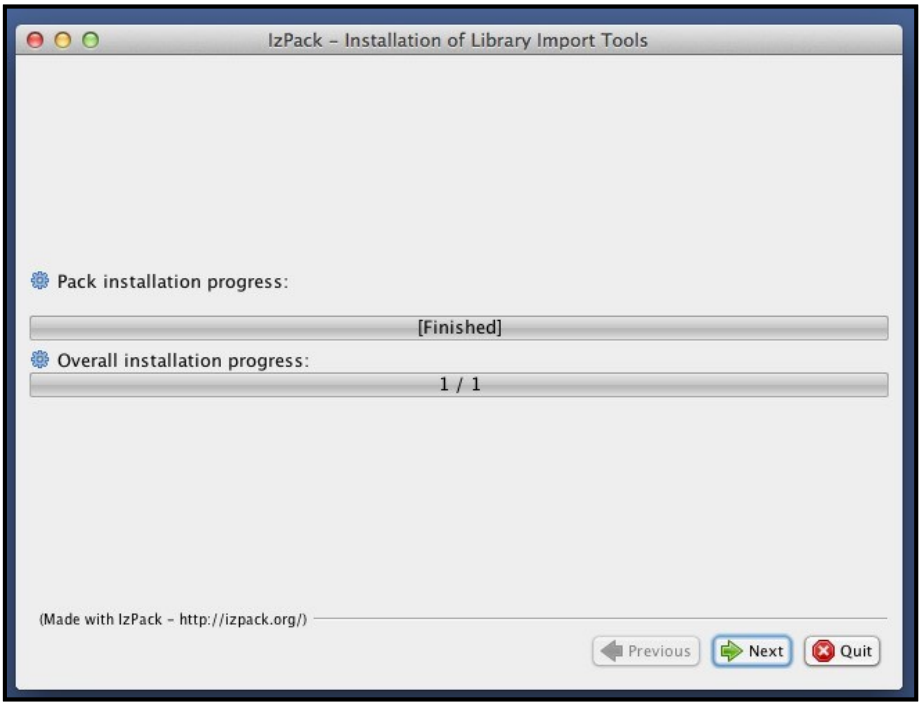

Figure 10 – Mac/Linux Installation Progress

Click **Next** to continue…

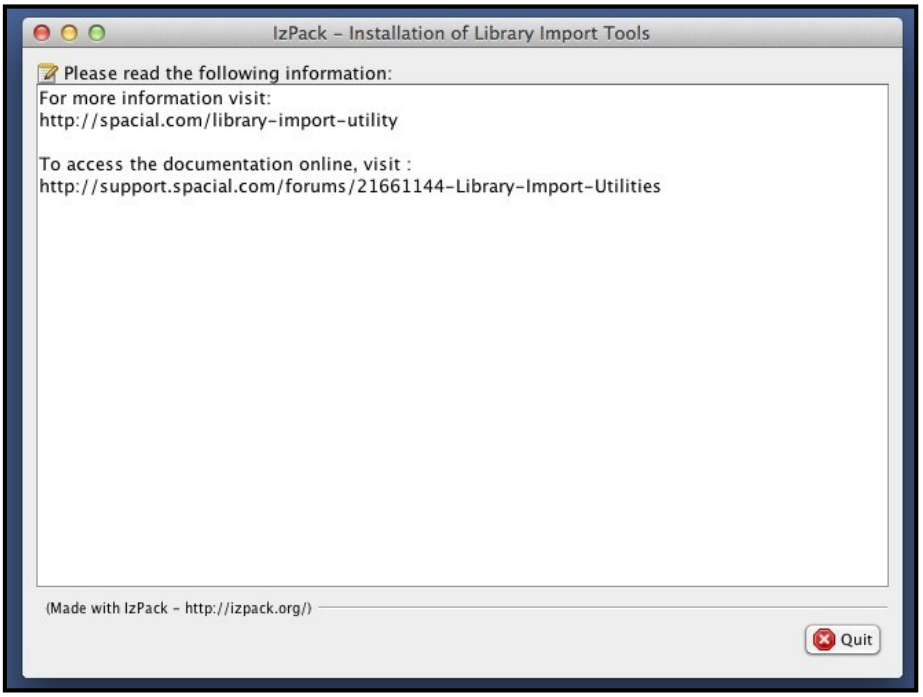

Figure 11 – Mac/Linux Installation Complete

Click **Quit** completing the installation.

Post-Installation

Follow the section that is applicable to your Operating System

Windows

Open Windows Explorer and navigate to the installation directory:

```
C:\Program Files (x86)\Spacial\Import Tools
```

In this directory you will find 6 files:

```
ImportTools-cmd.exe        ImportUtil.exe            PlaylistUtil.exe
Uninstall.exe              ImportUtil.jar            PlaylistUtil.jar
```

ImportTools-cmd.exe

This application is specific to the Windows version of the Library Import Tools and double-clicking `ImportTools-cmd.exe` will open a command prompt window in this folder which can be used to run either the ImportUtil.exe or the PlaylistUtil.exe:

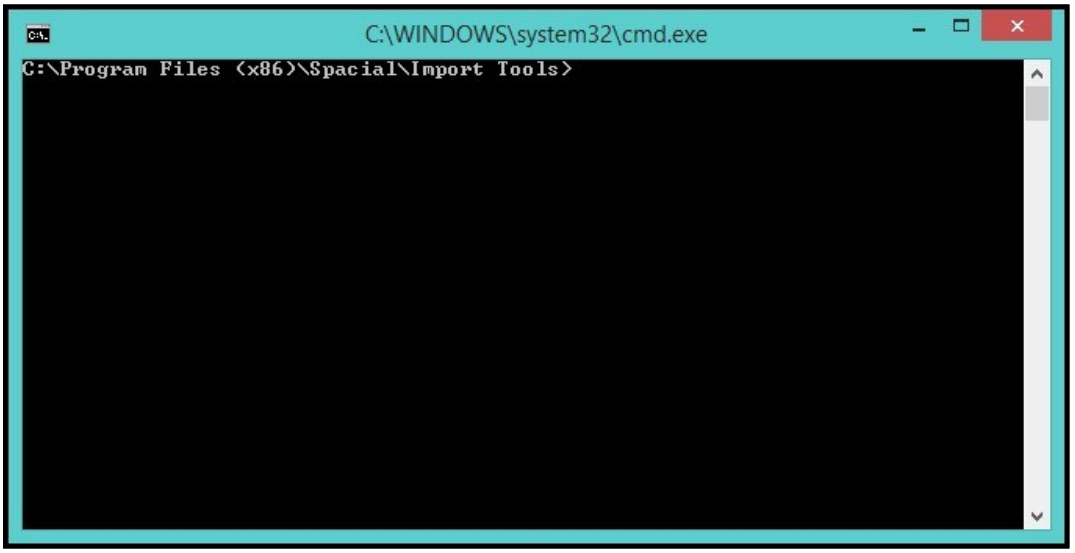

Figure 12 – Windows ImportTools-cmd.exe

Uninstall.exe

The `Uninstall.exe` executable will uninstall the Library Import Toolset

Mac OS X and Linux

Follow these steps to get the application up and running:

Open terminal

Navigate to the installation directory which by default would be:

```
/opt/spacial/LibraryImportUtils
```

Type `ls -a` and press Enter. In this directory you will find 5 files:

```
Uninstaller                ImportUtil                PlaylistUtil
                           ImportUtil.jar            PlaylistUtil.jar
```

Uninstaller

The `Uninstaller` will uninstall the Library Import Toolset.

The remaining four files will be discussed under the relevant section of this document.

Library Import Utility

Overview

The Library Import Utility is a command line tool that can be used to upload media to the SAM Broadcaster Cloud.

Key benefits:

- Ability to upload hundreds or even thousands of tracks including multiple directories
- Automate the process of uploading content
- Preserve the path information of media when importing
- ImportUtil.exe is the tool you should use to upload tracks to your Cloud Library.

Example use cases

If you have a new SAM Broadcaster Cloud account you may have hundreds or thousands of tracks to import. The Library Import Utility can import up to 10,000 tracks at a time much more efficiently than you can do with the Web Browser Track Uploader.

Have an hourly news show that is recorded live or import new music on a daily basis? You can automate the importing of this content so all you have to do is make sure the file is stored in a specific folder and configure an automated task to carry out the import.

SAM Broadcaster Cloud uses the filename of a track to decide if the item already exists in the library. For security reasons, Web Browsers can only provide the filename without the path information so if you have tracks with the same name but in different folders like /Promos/ClientA/Promo1.mp3 and /Promos/ClientB/Promo1.mp3 you can only import both tracks by using this utility or by changing the file names.

Components

There are two components to the Import Utility (ImportUtil):

Windows

`ImportUtil.exe`	(This is the executable file)
`ImportUtil.jar`	(This is the main application)

Mac OS X and Linux

`ImportUtil`	(This is the executable file)
`ImportUtil.jar`	(This is the main application)

Within the command prompt or terminal window type the following command based on your operating system and press Enter to display the Utility usage and help information:

`ImportUtil.exe -h` (for Windows Operating Systems)

`./ImportUtil -h` (for Linux and Mac OS Systems)

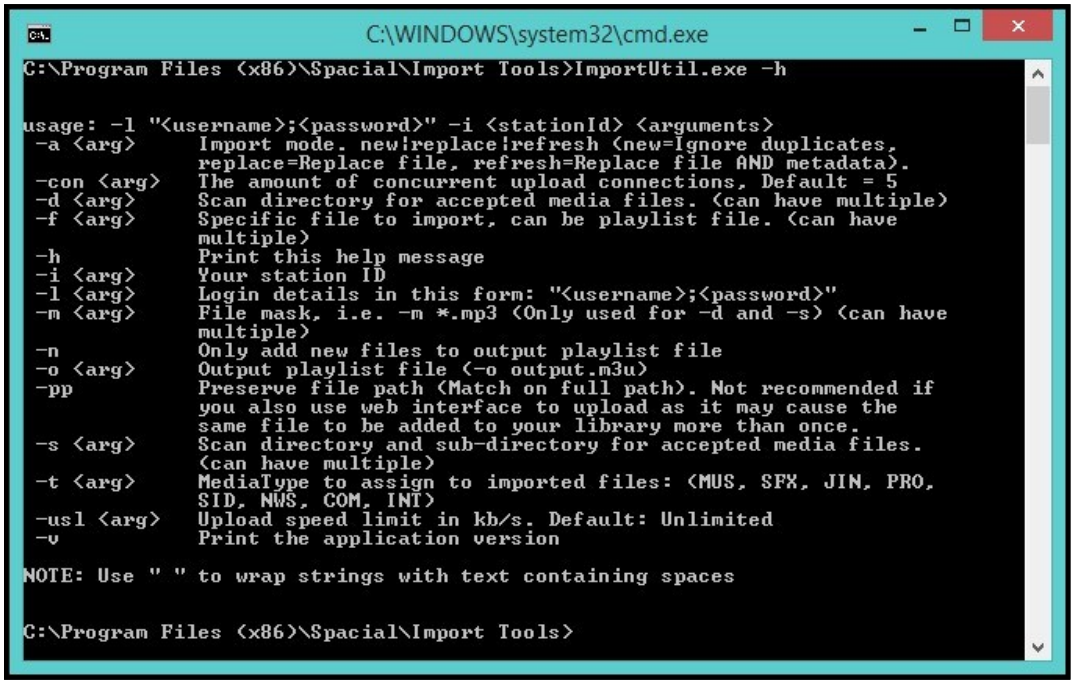

Figure 13 – ImportUtil.exe Usage and Help Menu (Windows)

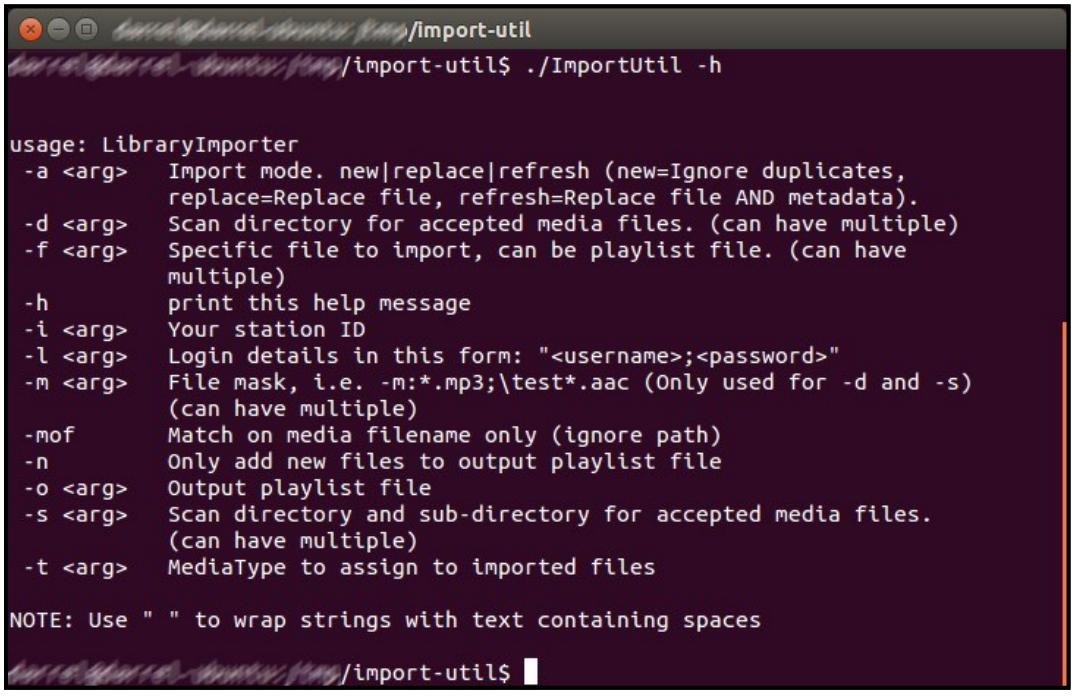

Figure 14 – ImportUtil Usage and Help Menu (Linux)

Parameter Details

The parameters are identical for both the Windows and Mac/Linux versions but the executable files names are different. If you are using Windows then all of the following parameters would follow

`ImportUtil.exe` and if you are using Mac OS X or Linux, you would use `./ImportUtil` in front of the parameters. With all of the parameters, you should encapsulate any text containing spaces within double quotation marks " " as shown in the examples below.

Windows

```
ImportUtil.exe -l "test@gmail.com;password123" -i 78787 -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

Mac OS X or Linux

```
./ImportUtil -l "test@gmail.com;password123" -i 78787 -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

-l

This is a required field and is used to enter your username and password with l indicating login:

Usage

```
-l <username>;<password>
```

Example

```
-l "test@email.com;mypassword"
```

-i

This is a required field and is used to identify the station in question however, if you have multiple stations sharing the same Cloud Library, any tracks uploaded will be available to all stations under the same service.

Usage

```
-i <StationID>
```

Example

```
-i 1234
```

Where 1234 is your station ID and the station ID can be found under the Settings tab within the Cloud.

-a

This specifies the upload mode and has three options.

Usage

```
-a new
-a replace
-a refresh
```

New is also known as Skip Mode and is also the default mode. Any tracks which already exist in the Cloud Library will not be uploaded.

Replace is also known as Overwrite Mode and will as the name suggests, the items uploaded will replace the physical files of existing items in the library but the current track metadata will not be changed/refreshed. If the items do not exist in library then they will be imported as new items.

Refresh is also known as Metadata Mode and items imported will replace the physical files and also read the tag information from the uploaded content and update the library metadata.

You should see `-mof` flag below for details on how the system decides when a track is new or already exist in the library.

-mof

This stands for Match On Filename and whilst the default mode identifies tracks by their path and filename, if `-mof` option is added then the file path is ignored and tracks are only identified by the filename. With `-mof` selected `/music/a.mp3` and `/promos/a.mp3` would be matched as the same track.

Note: Matches are not case sensitive regardless of the mode so A.mp3 and a.mp3 would be seen as the same file.

Usage

```
-mof
```

-con

This sets the number of concurrent upload connections. The default value is 5 which means a maximum of 5 tracks can be uploaded at the same time.

Usage

```
-con 3
```

-d

This is used to import media from a specific directory however, multiple, specific directories can be included. Either `-d`, `-s` or `-f` must be included.

Single Directory Example

```
-d "/home/music/"
```

Multiple Directory Example

```
-d "/artist1" -d "/artist2"
```

-s

This enables us to import media from a directory and all subdirectories and again, multiple selections can be made. Either `-d`, `-s` or `-f` must be included.

Single Directory Example

```
-s "/home/music/"
```

Multiple Directory Example

```
-s "/tracksA" -s "/tracksB"
```

-f

With this option we can upload individual tracks or the contents of a valid playlist file in either .M3U or .PLS format. As with the previous two options, multiple selections can be made and either `-d`, `-s` or `-f` must be included.

Single Examples

```
-f clubmix.m3u
-f /home/user/music/dr-dre-mix1.aac
```

Multiple Example

```
-f /etc/clubmix.m3u -f /etc/mixing.mp3
```

-m

This option can be used with options `-d` and `-s`, and enables us to apply a file mask when uploading directory contents. Only tracks which match this file mask will be uploaded and multiple file masks can be included in the same command. If no mask is specified then all supported media types will be uploaded.

Single Examples

```
-m *,mp3
```

Multiple Example

```
-m *rolling*.mp3 -m *.aac
```

-o

This will create a playlist containing all items which were successfully imported to the Cloud Library. This playlist can subsequently be used by the Playlist Utility to move these tracks into Cloud Library Playlists or the Cloud Queue. You should ensure that you have write access to the location specified.

Usage

```
-o "<filename>.m3u"
```

Example

```
-o "/tmp/outplaylist.m3u"
```

-n

This can only be used if `-a new` has been specified and will only add the media files which are new to your Cloud Library, to the output playlist file created with the `-o` option.

Usage

```
-n
```

-pp

This can be used to preserve the file path or match on full path. This is not recommended if you are also using the Web Browser Upload Facility as this can cause the same file to be uploaded more than once.

Usage

```
-pp
```

-t

This enables us to assign a specific media type to the tracks being uploaded. By default, tracks uploaded are assigned the music (**MUS**) media type but you can change this to either of the available options however, the mode will only change if the tracks does not already exist in the library.

Usage

`-t MUS`	(Music)
`-t SFX`	(Sound Effects)
`-t JIN`	(Jingles)
`-t PRO`	(Promotions)
`-t SID`	(Station IDs)
`-t NWS`	(News)
`-t COM`	(Commercials)
`-t INT`	(Interviews)

-usl

This allows us to set the maximum upload speed in kbps. The maximum upload speed is 60Mbps or 600000kbps.

Usage

`-usl 600000` (This would set the upload speed to the maximum of 60Mbps)

-h

This displays the options available with a brief description of their usage.

Usage

`ImportUtil.exe -h`	(for Windows Operating Systems)
`./ImportUtil -h`	(for Linux and Mac OS Systems)

-v

This displays the Library Import Tool version number which might be requested by the Helpdesk if you report a problem..

Usage

```
ImportUtil.exe -v
```

Usage Examples

Please note that these examples may appear on multiple lines but they have wrapped due to the limitation of the page width but which should be entered as a single command

For window you should change `/Music/...` to `c:\Music\...`

Example Directory structure

/Music (Folder)
    Beverly Hills - Weezer.mp3 (Track)
        /clubmix (Folder)

mix1.mp3 (Track)
mix3.mp3 (Track)
mix18.aac (Track)
/dance (Folder)
dance1.mp3 (Track)
dance8.mp3 (Track)
....

Single File Upload

Windows

```
ImportUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\name\Music\Beverly Hills - Weezer.mp3" -o result.m3u
```

Linux/Mac

```
./ImportUtil -l "test@gmail.com;password123" -i 78787 -f "/home/name/Music/Beverly Hills - Weezer.mp3" -o result.m3u
```

Single Directory Upload

Windows

```
ImportUtil.exe -l "test@gmail.com;password123" -i 78787 -d "c:\name\Music\clubmix" -o clubmix.m3u
```

Linux/Mac

```
./ImportUtil -l "test@gmail.com;password123" -i 78787 -d "/home/name/Music/clubmix" -o clubmix.m3u
```

This will upload all media items in the clubmix directory, but not the items from the subdirectories. This means no media items in the dance directory will be uploaded using `-d` option.

Directory and Sub-Directories

Windows

```
ImportUtil.exe -l "test@gmail.com;password123" -i 78787 -s "c:\name\Music\clubmix" -o clubmixAndDance.m3u
```

Linux/Mac

```
./ImportUtil -l "test@gmail.com;password123" -i 78787 -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

This will upload all media items in the clubmix directory and each of the subdirectories so the media items in the dance directory will also be uploaded.

Multiple Files

Windows

```
ImportUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\name\Musiceverly Hills - Weezer.mp3"  -s "c:\name\Music\clubmix" -o clubmixAndDance.m3u
```

Linux/Mac

```
./ImportUtil -l "test@gmail.com;password123" -i 78787 -f "/home/name/Music/Beverly Hills
- Weezer.mp3"  -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

Library Playlist Utility

Introduction

The Library Playlist Utility is a command line tool that can be used to insert tracks, **which must already exist in the SAM Broadcaster Cloud library)**, into Playlists or the Queue.

Tip: First use the Library Import Utility to physically upload the tracks to the cloud. Then as a second step add the tracks to the required Playlists or Queues. Remember, if stations share a single library the tracks will only need to be imported once and can then be shared by all stations under the same service.

Key benefits

- Automate the process of loading file playlists into SAM Broadcaster Cloud Playlists
- Automate the process of loading file playlists into the SAM Broadcaster Cloud Queue
- Automate the process of removing items specified in file playlists from SAM Broadcaster Cloud Playlists or Queue

This is the user guide for the Library Playlist Utility. In this section we will explain what the tool is designed for and how to use it. We have included some basic and advanced examples which we hope will be of benefit.

Please ensure you have read through the "Library Import Utility" section of this document and that you have already installed the Library Import Tools.

Usage

Follow the section which is applicable to your Operating System.

Windows

Open Windows Explorer and navigate to the installation directory:

As we have seen, there are 6 files contained within this directory:

```
ImportTools-cmd.exe      ImportUtil.exe          PlaylistUtil.exe
Uninstall.exe            ImportUtil.jar          PlaylistUtil.jar
```

PlaylistUtil.exe is the tool to manipulate the tracks already in your Cloud Library:

```
PlaylistUtil.exe    (This is the executable file)
PlaylistUtil.jar    (This is the main application)
```

Type the following command and press Enter to display the usage and help information:

```
PlaylistUtil.exe -h
```

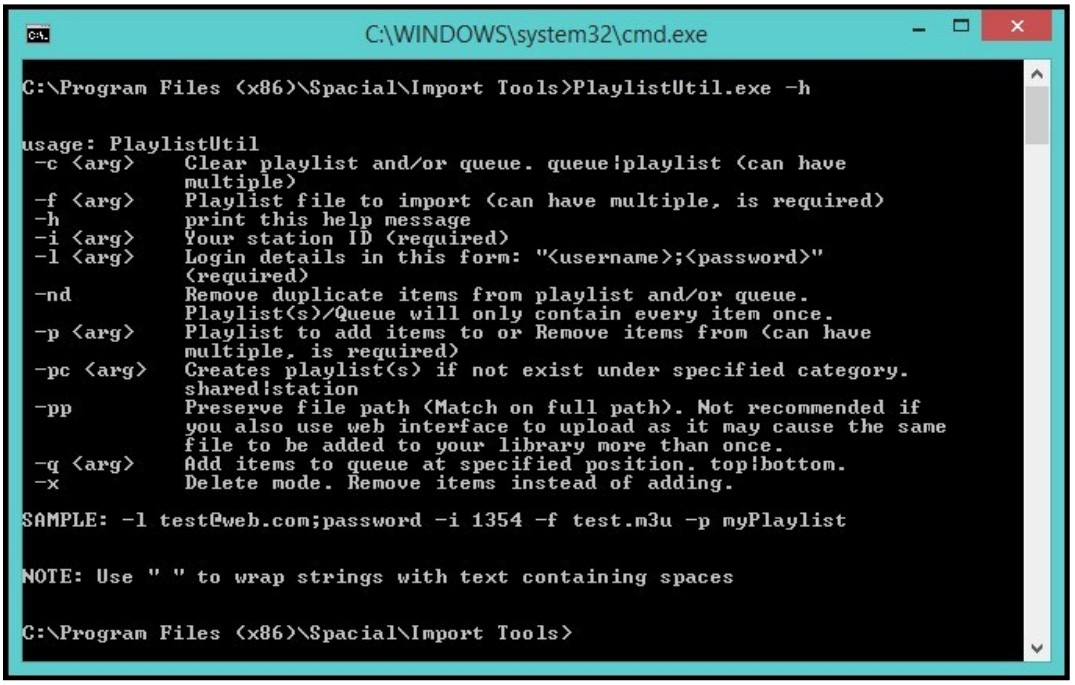

Figure 15 – PlaylistUtil.exe Usage and Help Menu (Windows)

Mac OS X and Linux

Follow these steps to get the application up and running:

Open terminal

Navigate to the installation directory which by default would be:

```
/opt/spacial/LibraryImportUtils
```

As we have seen, we can type `ls -a` and press Enter to display the 5 files in this directory:

```
Uninstaller                ImportUtil                 PlaylistUtil
                           ImportUtil.jar             PlaylistUtil.jar
```

PlaylistUtil.jar is the tool to manipulate the tracks already in your Cloud Library:

`PlaylistUtil` (This is the executable file)

`PlaylistUtil.jar` (This is the main application)

Type the following command and press Enter to display the usage and help information:

```
./PlaylistUtil -h
```

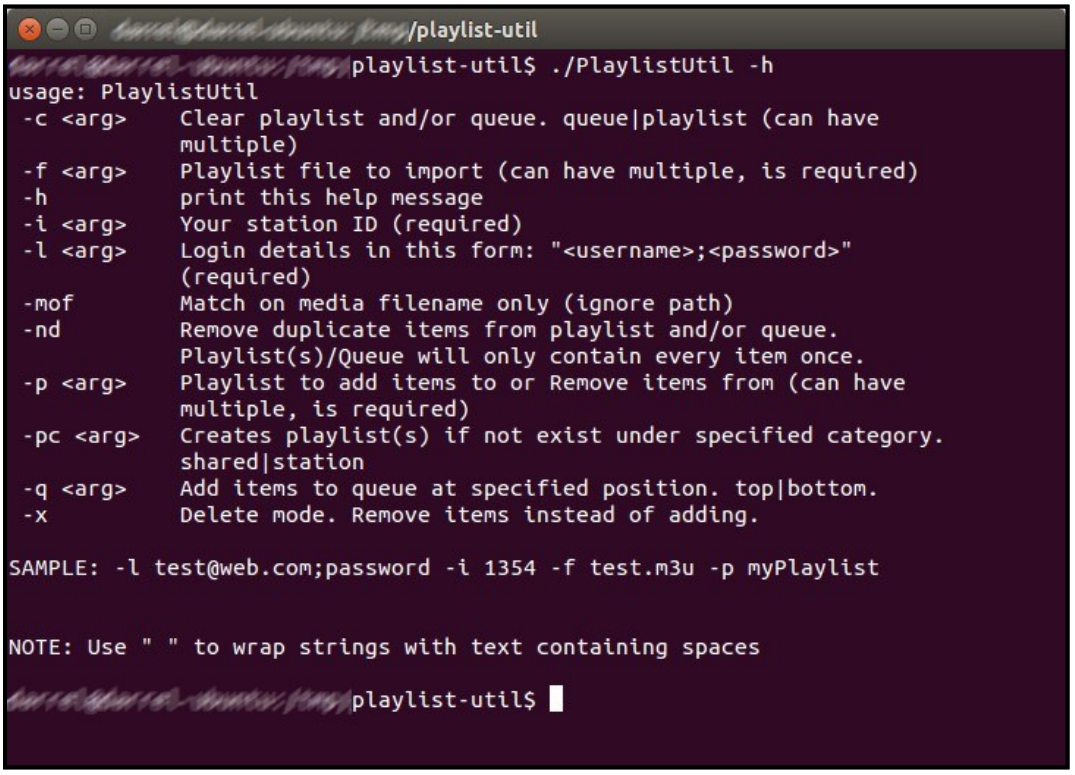

Figure 16 – PlaylistUtil Usage and Help Menu (Linux)

Parameter details

As with the ImportUtil, the parameters are identical for both the Windows and Mac/Linux versions but the executable files names are different. If you are using Windows then all of the following parameters would follow `PlaylistUtil.exe` and if you are using Mac OS X or Linux, you would use `./PlaylistUtil` in front of the parameters. With all of the parameters, you should encapsulate any text containing spaces within double quotation marks " " as shown in the examples below.

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

Mac OS X or Linux

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -s "/home/name/Music/clubmix" -o clubmixAndDance.m3u
```

-l

This is a required field and is used to enter your username and password with l indicating login:

Usage

```
-l <username>;<password>
```

Example

```
-l "test@email.com;mypassword"
```

-i

This is a required field and is used to identify the station in question however, if you have multiple stations sharing the same Cloud Library, any tracks uploaded will be available to all stations under the same service.

Usage

```
-i <StationID>
```

Example

```
-i 1234
```

Where 1234 is your station ID and the station ID can be found under the Settings tab within the Cloud.

-f

This option provides the location of the playlist file which can be in either .M3U, .MIL or .PLS format. The tracks referenced in the playlist must already exist in the Cloud Library.

Whilst this is ideal for manipulating the contents of the playlist file which could have been created by the Library Import Utility, this can be used with any supported playlist. The tracks

Single Example

```
-f clubmix.m3u
-f /home/user/music/dr-dre-mix1.aac
```

Multiple Example

```
-f clubmix.m3u -f megamix.pls
```

-q

This option specifies that the contents of the playlist file should be added to the Queue. The contents of the playlist file can be added to either the top or bottom of the Queue. Either `-q` or `-p` must be included.

Usage

```
-q top
```

-q bottom

-p

This enables us to specify which Cloud Library Playlist the items will be added to or removed from. If the Playlist does not already exist in the Cloud Library then this will fail. Either `-q` or `-p` must be included.

Usage

```
-p <PlaylistName>
```

Single Example

```
-p "Club Mix"
```

Multiple Example

```
-p "Club Mix" -p "Top40"
```

-pc

If this option is selected then if the Cloud Library Playlist referenced with `-p` does not exist then it will be created.

There are two options available which enable us to create either a station-specific playlist or a shared playlist which would be available to all stations under the same service.

Usage

```
-pc shared
-pc station
```

-c

This option allows us to clear the contents of the Queue, a single Cloud Library Playlist, multiple Cloud Library Playlists or a mixture of both the Queue and Playlists.

Usage

```
-c queue
-c <PlaylistName>
```

Single Example

```
-c queue -c
"Club Mix"
```

Multiple Example

```
-c queue -c "Club Mix" -c "PL10"
```

-mof

This stands for Match On Filename and whilst the default mode identifies tracks by their path and filename, if `-mof` option is added then the file path is ignored and tracks are only identified by the filename. With `-mof` selected `/music/a.mp3` and `/promos/a.mp3` would be matched as the same track.

Note: Matches are not case sensitive regardless of the mode so A.mp3 and a.mp3 would be seen as the same file.

Usage

```
-mof
```

-nd

With this option selected we can remove duplicates from either the queue or Cloud Library Playlists and is used in conjunction with either `-p` or `-q`.

Usage

```
-nd
```

Example

```
-nd -q top
-nd -p "Club Mix"
```

Multiple Example

```
-nd -p "Club Mix" -p "Top40"
```

-x

This option will remove the contents of the playlist file from either the Queue or specified Cloud Library Playlists and is used in conjunction with either `-p` or `-q`.

Usage

```
-x
```

Single Example

```
-p "Club Mix" -x
-q top -x
```

Multiple Example

```
-p "Club Mix" -p "Top40" -q bottom -x
```

-h

This displays the options available with a brief description of their usage.

Usage

```
PlaylistUtil.exe -h
./PlaylistUtil -h
```

(for Windows Operating Systems)
(for Linux and Mac OS Systems)

Use cases and samples

Basic single playlist upload

This will create a Station Playlist entitled clubmix which will contain the items listed in the playlist file:

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\playlists\clubmix.m3u" -p
clubmix -pc station
```

Linux/Mac

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -f
"/opt/spacial/LibraryImportUtils/import-util/clubmix.m3u" -p clubmix -pc station
```

Remove all Files in the Playlist File from Playlist "clubmix"

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\playlists\clubmix.m3u" -p
clubmix -x
```

Linux/Mac

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -f
"/opt/spacial/LibraryImportUtils/import-util/clubmix.m3u" -p clubmix -x
```

Clear Queue and Remove Duplicates in the "clubmix" Playlist

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\playlists\clubmix.m3u" -p
clubmix -c queue –nd
```

Linux/Mac

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -f
"/opt/spacial/LibraryImportUtils/import-util/clubmix.m3u" -p clubmix -c queue -nd
```

Add to queue bottom:

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\playlists\clubmix.m3u" -q
bottom
```

Linux/Mac

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -f
"/opt/spacial/LibraryImportUtils/import-util/clubmix.m3u" -q bottom
```

Create multiple online playlists:

Windows

```
PlaylistUtil.exe -l "test@gmail.com;password123" -i 78787 -f "c:\playlists\clubmix.m3u" -p
clubmix1 -p clubmix2 -p clubmix3 -p clubmix4 -pc shared
```

Linux/Mac

```
./PlaylistUtil -l "test@gmail.com;password123" -i 78787 -f
"/opt/spacial/LibraryImportUtils/import-util/clubmix.m3u" -p clubmix1 -p clubmix2 -p clubmix3
-p clubmix4 -pc shared
```

clubmix1 - 4 will now each contain the media items listed in the playlist file clubmix.m3u"

Automated Scheduling

Overview

The Library Import Utilities is a collection of command line tools that can be used to upload media to the SAM Broadcaster Cloud and insert tracks (which must already exist in the SAM Broadcaster Cloud library) into Playlists or Queues. See all the Library Import Utilities documentation for further information.

Scheduling

These document links provide information about scheduling tasks within Windows as well as Linux and Mac OS X: **Windows:**

http://www.7tutorials.com/how-create-task-basic-task-wizard

Linux https://help.ubuntu.com/community/CronHowto

Mac OS X:

http://www.maclife.com/article/columns/terminal_101_creating_cron_jobs

Annex A – Table of Figures

Figure 1 – Windows GUI Installation 8
Figure 2 – Windows End User Licensing Agreement (EULA) 9
Figure 3 – Windows Select the Installation Folder 9
Figure 4 – Windows Installation Complete 10
Figure 5 – Mac/Linux GUIs Installation 10
Figure 6 – Mac/Linux Installation 11
Figure 7 – Mac/Linux End User Licensing Agreement (EULA) 11
Figure 8 – Mac/Linux Select the Installation Folder 12
Figure 9 – Mac/Linus Creating the Target Directory 12
Figure 10 – Mac/Linux Installation Progress 13
Figure 11 – Mac/Linux Installation Complete 13
Figure 12 – Windows ImportTools-cmd.exe 14
Figure 13 – ImportUtil.exe Usage and Help Menu (Windows) 16
Figure 14 – ImportUtil Usage and Help Menu (Mac OS) 16
Figure 15 – PlaylistUtil.exe Usage and Help Menu (Windows) 23
Figure 16 – PlaylistUtil Usage and Help Menu (Mac OS) 24

spacial

Website: spacial.com
Email: support@spacial.com
Support: support.spacial.com

USA
Spacial Audio Solutions, LLC
15303 Ventura Blvd.,
Suite 1500
Sherman Oaks, CA 91403-3137
USA

SOUTH AFRICA
107 Haymeadow Crescent
Block 1, Boardwalk Office Park
Pretoria, Gauteng. 0043
South Africa

CANADA
1440, Sainte-Catherine West
Suite 1200
Montreal, QC H3G 1R8
Canada

MAURITIUS
Bramer Business Center
8th Floor
Bramer Building, Ébène
Mauritius

http://spacial.com

Document version 2016.1