LYRICFIND ▶

Submitting Offline Lyric Views
Documentation - Revision 1.1
April 10th 2012

Revisions

1) Added a 'Submitting Offline Views for LRC content' subsection and an example link for submitting offline views when LRC content is used.

Introduction

LyricFind is the world's leader in licensed lyric solutions and for that reason client satisfaction is of the utmost importance. The most requested feature from our clients is the ability to cache LyricFind lyrics to improve performance or to accommodate offline lyric usage (ie., iPhone apps operating in airplane mode). For that reason, LyricFind has expanded the functionality of the Lyric Display API to allow for the submission of offline lyric views.

This functionality is accomplished by using the LyricFind Display API. A new request type has been introduced to handle this functionality. The following documentation will describe the new request type and all the Lyric Display API changes surrounding it.

For those clients who choose to cache LyricFind lyrics and use lyrics in an offline capacity, the use of this new request type is mandatory. LyricFind does not allow the caching of its lyrics without proper tracking and submission to the LyricFind accounting system for every single lyric view.

NOTE: *The following document assumes that the reader is familiar with the default usage of the Lyric Display API as described in the LyricFind Web Services documentation.*

For any questions and/or concerns regarding the submission of offline lyric views, please contact the LyricFind support team: support@lyricfind.com

Client Responsibilities

<u>Intended Usage:</u>

The intent of this extended Lyric Display API functionality is to allow clients to submit offline lyric views for client side applications that require cached lyrics for performance benefits or to support lyric views when a device is not connected to the internet. Examples of applications that would use this functionality are an iPhone application wanting to cache lyric usage to support airplane mode usage, or a desktop music player that needs to cache lyrics for quicker load times.

Lyric services operated through a central location, or applications that handle large amounts of lyric views should not use this feature. This extended API functionality processes only one track at a time so any application or service that needs to submit a large amount of records should contact LyricFind for a custom solution. For example, a high traffic website should not use this functionality. A website is always connected, and therefore the use of this functionality is not necessary. Because all the usage statistics of all users originate from a single location, the volume of submissions required would not be an efficient use of resources.

<u>Responsibilities:</u>

By opting to use lyrics in an offline capacity a couple of important responsibilities are assumed by the client:

1) The client must obtain permission from the LyricFind team before using this extended functionality.

2) The client must track all offline lyric usage.

3) Data that must be tracked includes the trackid (as defined in the Web Services documentation), artist name, song name, and the count indicating the number of times the track has been viewed since the last successful submission.

4) LRC lyric views must be tracked separately from regular lyric views and submitted separately.

5) The client cannot clear the usage from their system until a successful submission is made to the LyricFind system. Please refer to the "Full Response Code List and Actions" section to determine what is a successful submission and the appropriate client action based on the response code. If a response code is not returned for any reason then the submission must be deemed unsuccessful. An unsuccessful submission must be attempted again once the problem is resolved.

6) The client must attempt to submit offline lyric views as often as possible. It is ideal to have offline lyric views submitted no later than 48 hours after they occur. For applications that frequently operate without internet connections, a submission should be attempted whenever a new internet connection is created.

Offline Views Request Type

The submission of offline lyric views is accomplished through the use of the LyricFind Display API (described in detail in the Web Services Documentation). The Lyric Display API has been expanded through the addition of a new request type option.

Request Type:

The new request type is the Offline Views request type. Using this request type will notify the LyricFind system that the request being made is for view(s) that have already occurred and that royalty payment should be applied for the usage.

The following table outlines the request type parameter, including both the default option and new offline views option:

Parameter Name	Value	Description	Required
reqtype	default	The default behavior of the Lyric Display API. Used to display a single lyric in real time.	Y
	offlineviews	Used to submit lyric views to the LyricFind system for those tracks where a real time API call did not occur.	

Count Parameter:

When using the offline views request type a count parameter is also required. This parameter is defined in the table below:

Parameter Name	Description	Required
count	The amount of offline lyric views for the trackid being submitted.	Y

Track Identifier:

The trackid parameter (described fully in the Web Service documentation) is defined in such a way that multiple ID submission is possible. LyricFind asks that as many ID types as possible be submitted to ensure proper track resolution when using the offline views request type. Furthermore, artistname and trackname ID types are required when using the offlineviews request type.

Here are 3 different ways to reference the track Young Lust by Aerosmith all of which are valid:

`trackid=amg:3039,artistname:Aerosmith,trackname:Young+Lust`

```
trackid=isrc:USGF19925401,artistname:Aerosmith,trackname:Young+Lust

trackid=isrc:USGF19925401,amg:3039,artistname:Aerosmith,trackname:Youn
g+Lust
```

Here are 2 invalid references to Young Lust when used with the offline views request type:

```
trackid=amg:3039
trackid=amg:3039,isrc:USGF19925401
```

Submitting Offline Views for LRC content

If LRC content is used offline the usage must be reported. To do so, simply make the offline request as you would make a default request for LRC content. That is:
- Specify the proper format parameter value
- Include the LRCKEY

Sample Submission URL

A request to the Lyric Display API, to submit 5 offline lyric views for the track Mony Mony by Tommy James:

http://api.lyricfind.com/lyric.do?apikey=<APIKEY+HERE>&reqtype=offlineviews&trackid=amg:2033,artistname:Tommy+James,trackname:Mony+Mony&count=5

A request to the Lyric Display API, to submit 10 offline lyric views for the track Mony Mony by Tommy James where LRC data was used:

http://api.lyricfind.com/lyric.do?apikey=<APIKEY+HERE>&lrckey=<LRCKEY+HERE>&reqtype=offlineviews&trackid=amg:2033,artistname:Tommy+James,trackname:Mony+Mony&count=10&format=lrc

Full Response Code List and Actions

The extended response codes for the Lyric Display API (as described in the Web Service Documentation) have been revised and extended for the Offline Views request type.

The following table outlines all the possible response codes in detail and further actions that may be required.

Code	Required Action
101/111	A valid Lyric display, track data is returned in addition to the lyrics and the copyright/writer notices. **RESULT: LyricFind has successfully received the offline view submission and no future action is required for these views. However, the Lyric, Sync and copyright data must be updated in your local repository.**
102	A valid Lyric display, but the lyric is an instrumental. **RESULT: LyricFind has successfully received the offline view submission and no future action is required for these views. It is suggested however, that the Lyric be marked as instrumental in your local repository if it is not already.**
103/113	A valid Lyric display, copyright/writer notices are returned. **RESULT: LyricFind has successfully received the offline view submission and no future action is required for these views. However, the copyright data must be updated in your local repository.**
104-106/ 114-116	A valid Lyric display, but no data is returned **RESULT: LyricFind has successfully received the offline view submission and no future action is required for these views.**
200	The 'apikey' parameter did not authorize for the attempted request. **RESULT: Unsuccessful offline view submission attempt. Must obtain a valid 'apikey' and try to submit again.**
201	The request parameters could not be validated. **RESULT: Unsuccessful offline view submission attempt. Must correct the error and try to submit again.**

206	Lyric is not available because of a publisher specific block. **RESULT: Unsuccessful offline view submission attempt due to publisher specific block. Please remove this lyric from local repository and do not display again. No future submission attempt is required.**
300-301	Exception thrown during execution of the request. **RESULT: Unsuccessful offline view submission attempt. Report issue to LyricFind and try to submit again.**