

Hop Am Chuan API

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1. Definitions, Acronyms, and Abbreviations

Term	Definition
Version	An Version object identify the current song list available on website.

2. You Will Need

Private key: to send with your POST request. This key is used to identify who you are.

3. How To Use

Send a POST request with these information:

URL: Method URL

DATA:

- private_key: XXXXXXXXXXXXXXXX
- options: Base-64 encoded JSON string.

RETURN:

- JSON string

Example (use JAVA language):

If you want to get a list of song was added from version 1 to version 2, follow these instruction:

Step 1: prepare your api method, private key and JSON option string:

```
String method = "http://hopamchuan.com/api/song_from_to";  
String myPrivateKey = "ABCXYZDEFPOIASDH";  
String options = "{from_ver: 1, to_ver: 2}";
```

Step 2: base64 encode the JSON string:

```
String base64Data = Base64Helper.encode(options);
```

Step 3: send POST request

```
HashMap<String, String> requestData =  
    new HashMap<String, String>();  
requestData.add("private_key", myPrivateKey);  
requestData.add("options", base64Data);  
HTTPResponse response = HTTPRequestHelper.sendPost(method,  
    requestData);  
jsonData = response.toJSON();
```

Step 4: use `jsonData` vairable for your business

4. API

Method	Options (All required private_key)	Return	Description
/api/ver	None	Version	The lasted version number
/api/song_from_to	<i>from_ver</i> : Integer <i>to_ver</i> : Integer	Song []	List of song was added from version <i>from_ver</i> to version <i>to_ver</i>
/api/song_from	<i>from_ver</i> : Integer	Song []	List of song was added from version <i>from_ver</i> to the lasted version
/api/playlists	<i>username</i> : String <i>password</i> : String	Playlist []	List of all playlist of the current user
/api/put_playlists	<i>username</i> : String <i>password</i> : String <i>local_playlists</i> : Playlist []	Playlist []	Put all local playlist to web server and receive unsynced playlist from server

5. Object Definition

a) Version

Property	Value type	Format	Description
no	Integer		Version number
date	String	yyyy/mm/dd	The time this version is published
song_number	Integer		Number of songs in this version

b) Song

Property	Value type	Format	Description
song_id	Integer		Unique indentity number
title	String		Song title
link	String	http://mp3.zing.vn/ *	Link to mp3 song (Notice: not a direct mp3 link)
content	String		Song content
firstlyric	String		Fisrt few words of the song
date	String	yyyy-MM-dd hh:mm:ss	Created date
chords	Chord []		Array of chord used in this song
authors	Artist []		Array of author of this song
singers	Artist []		Array of singer of this song

c) Chord

Property	Value type	Format	Description
chord_id	Integer		Unique indentity number
name	String		Chord name

d) Artist

Property	Value type	Format	Description
artist_id	Integer		Unique indentity number
artist_name	String		Artist name
artist_ascii	String		Artist name without accient

e) Playlist

Property	Value type	Format	Description
playlist_id	Integer		Unique indentity number
name	String		Playlist name
description	String		Playlist description
date	String	yyyy-MM-dd hh:mm:ss	Created date
public	Integer	0 or 1	1 = public; 0 = private
song_ids	Integer[]		Array of the song ID in this playlist