Hop Am Chuan API

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# Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| Term | Definition |
| Version | An [Version](#_Song) object indentify the current song list available on website. |

# You Will Need

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

# How To Use

Send a POST request with these information:

URL: Method URL

DATA:

* private\_key: XXXXXXXXXXXXXXX
* 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

# API

|  |  |  |  |
| --- | --- | --- | --- |
| Method | Options  (All required private\_key) | Return | Description |
| /api/ver | None | [Version](#_Version) | The lasted version number |
| /api/song\_from\_to | from\_ver: Integer  to\_ver: Integer | [Song](#_Song_1)[] | List of song was added from version from\_ver to version to\_ver |
| /api/song\_from | from\_ver: Integer | [Song](#_Song_1)[] | List of song was added from version from\_ver to the lasted version |
| /api/playlists | username: String  password: String | [Playlist](#_Playlist)[] | List of all playlist of the current user |
| /api/put\_playlists | username: String  password: String  local\_playlists: [Playlist](#_Playlist)[] | [Playlist](#_Playlist)[] | Put all local playlist to web server and receive unsynced playlist from server |
| /api/put\_favorite | username: String  password: String  local\_favorite: Integer[] | Integer[] | Put all local favorite song id to web server and receive unsynced favorite song id from server |

# Object Definition

## 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 |

## Song

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| song\_id | Integer |  | Unique indentity number |
| title | String |  | Song title |
| link | String | [http://mp3.zing.vn/\*](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](#_Chord)[] |  | Array of chord used in this song |
| authors | [Artist](#_Artist)[] |  | Array of author of this song |
| singers | [Artist](#_Artist)[] |  | Array of singer of this song |

## Chord

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| chord\_id | Integer |  | Unique indentity number |
| name | String |  | Chord name |

## Artist

|  |  |  |  |
| --- | --- | --- | --- |
| Property | Value type | Format | Description |
| artist\_id | Integer |  | Unique indentity number |
| artist\_name | String |  | Artist name |
| artist\_ascii | String |  | Artist name without accient |

## 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 |