

Authentication example could be better #100

New issue



andersborgabiro opened this issue 8 days ago · 6 comments



andersborgabiro commented 8 days ago • edited

This library provides a great and broad abstraction of the Spotify Web API. Thank you for that.

The authentication example is not so good though, and doesn't work the way it's written.

This is how I did it. Note that everything is done in a single script, including all app state.

The try/catch should probably cover more than it does.

```
define('CLIENT_ID', 'xxxxxxxxxxxxxxxxxxxx');
define('CLIENT_SECRET', 'xxxxxxxxxxxxxxxxxxxx');
define('REDIRECT_URI', "http" . (!empty($_SERVER['HTTPS']) ? "s" : "") . "://".
$_SERVER['SERVER_NAME'] . $_SERVER['SCRIPT_NAME']);
define('SESSION', 'spotify_access_token');

...

$session = new SpotifyWebAPI\Session(CLIENT_ID, CLIENT_SECRET, REDIRECT_URI);

if (isset($_GET['code'])):
    $session->requestAccessToken($_GET['code']);
    $accessToken = $session->getAccessToken();
    $_SESSION[SESSION] = $accessToken;
    header('Location: index.php');
    die();
elseif (!isset($_SESSION[SESSION])):
    $options = ['scope' =>
        [
            'user-read-private',
            'user-read-email',
            'user-read-birthdate',
            'user-top-read',
            'playlist-read-private',
            'playlist-modify-private',
            'playlist-read-collaborative',
            'playlist-modify-public',
            'ugc-image-upload'
        ]
    ];
    header('Location: ' . $session->getAuthorizeUrl($options));
    die();
else:
    $accessToken = $_SESSION[SESSION];
endif;

try {
    $api = new SpotifyWebAPI\SpotifyWebAPI();
    $api->setAccessToken($accessToken);
    $api->setReturnType(SpotifyWebAPI\SpotifyWebAPI::RETURN_ASSOC);

    $me = $api->me();
    $userName = $me['display_name'];
    $userId = $me['id'];
    $userPicture = $me['images'][0]['url'];
}
catch (Exception $ex) {
    unset($_SESSION[SESSION]);
    header('Location: index.php');
    die();
}
```

Assignees

No one assigned

Labels

docs

Milestone

No milestone

Notifications

3 participants





jwilsson commented 7 days ago • edited

Owner

Hi!

I'm a bit confused, which example are you referring to? The one in the [README](#) or the one in the [Authorization Using the Authorization Code Flow](#) article? And what seems to be the problem with the example you're referring to?

I'd be happy to improve the docs but I need something more concrete :)



jwilsson commented 7 days ago • edited

Owner

Sorry, I just remembered. There's a third example too, in the [Getting Started](#) article. Is it that one you're referring to?



andersborgabiro commented 7 days ago • edited

I meant <https://github.com/jwilsson/spotify-web-api-php/blob/master/docs/examples/access-token-with-authorization-code-flow.md>

It's not wrong per se, rather not complete: It doesn't indicate how to retain state (initially I thought it did that within the SDK). I've further modified it to allow authentication after clicking a button (earlier the first thing the user had to do was to log in, which probably scared away users), but it's roughly the same:

Is Session() always needed?

```
$session = new SpotifyWebAPI\Session(CLIENT_ID, CLIENT_SECRET, REDIRECT_URI);

if (isset($_POST['logout'])):
    unset($_SESSION[SESSION]);
endif;

if (isset($_POST['login'])):
    $options = ['scope' =>
        [
            'user-read-private',
            'user-read-email',
            'user-read-birthdate',
            'user-top-read',
            'playlist-read-private',
            'playlist-modify-private',
            'playlist-read-collaborative',
            'playlist-modify-public',
            'ugc-image-upload'
        ]
    ];
    header('Location: ' . $session->getAuthorizeUrl($options));
    die();
endif;

if (isset($_GET['code'])):
    $session->requestAccessToken($_GET['code']);
    $_SESSION[SESSION] = $session->getAccessToken();
    header('Location: /');
    die();
endif;

$accessToken = isset($_SESSION[SESSION]) ? $_SESSION[SESSION] : false;

...

if ($accessToken !== false):
    try {
        $api = new SpotifyWebAPI\SpotifyWebAPI();
        $api->setAccessToken($accessToken);

        $api->setReturnType(SpotifyWebAPI\SpotifyWebAPI::RETURN_ASSOC);

        $me = $api->me();
```

```
        $userName = $me['display_name'];
        $userId = $me['id'];
        $userPicture = $me['images'][0]['url'];
    }
    catch (Exception $ex) {
        unset($_SESSION[SESSION]);
        header('Location: /');
        die();
    }

    // Code for showing user info...
    else:
        print "<input class=\"btn btn-primary btn-lg\" type=\"submit\"
name=\"login\" value=\"Login to Spotify\" />";
    endif;
```

If you are interested, I can PM the link to the site.



jwilsson commented 5 days ago

Owner

Ah, you're right. I'll take a look at clarifying the token management in those examples.

The `Session` class is needed when first requesting a token, and every time you wish to [refresh it](#).

jwilsson added the `docs` label 5 days ago



andersborgabiro commented 5 days ago

Then I can probably speed up the code a bit by skipping it normally. Sometimes the Spotiy API is slow/overloaded.

I currently don't do refresh, as users don't stay that long: making playlists based on artists' discographies.



jotasprount commented 2 minutes ago

First, of the three Spotify/PHP repos I've seen, this one is, by far, the easiest to read and understand. Your documentation is awesome and well organized. I'm also grateful this issue exists because the initial authorization part was all I really need so all of this discussion is way helpful. I stepped away from Spotify Web API for a few months and, when I got back, every little thing needed authorization and I was struggling to understand it. All my fun & easy projects screeched to a grinding halt. Or, are "screech" and "grind" mutually exclusive?