

MOBILE APP HACK-A-THON

Help Sheet



SOCIALIZE YOUR APPLICATIONS WITH APPMOBI OAUTH

appMobi provides for secure integration between your HTML5 application and social media sites. We have added functions to authenticate against the OAuth 1.0a spec. This includes Twitter, LinkedIn and Yelp.

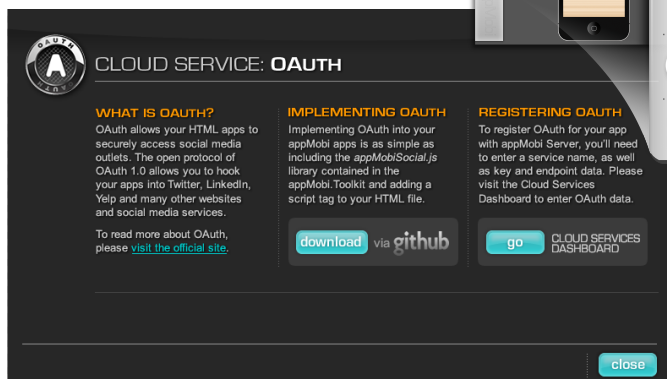
*** OAuth 2.0 is not yet supported.

To use OAuth in your AppMobi application, you must first configure the services. Multiple services can be defined per app. You will need:

- credentials from the service you are interacting with. Twitter requires you to register a new app.
- the APP Key and secret key, along with the token endpoint urls

USE THE XDK TO ADD SOCIALIZATION

To add socialization to your application via the XDK, Click the (A) icon in the Cloud Services panel.

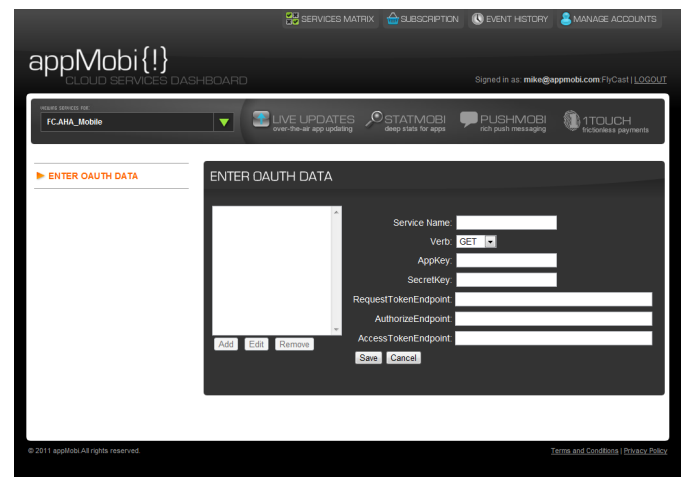


Click on the (download) button to download the appMobi helper library.

Or, download the helper library directly from:

<https://github.com/imaffett/AppMobi.toolkit/blob/master/appmobi/appMobiSocial.js>

After downloading the library, click the (go) button to register OAuth for your application with the appMobi server. You will be directed to the Cloud Services OAuth Screen.



Enter the credentials obtained from desired service above on this panel.

Once you have your social service configured within the oauth cloud service, you can start coding against the OAuth API's.

You can download sample code at:

<https://github.com/imaffett/AppMobi.toolkit/blob/master/demo/twitter.html>

To use AppMobi.toolkit.social in your application, include it in your index.html file using a script tag like the following example:

```
<script type="text/javascript" charset="utf-8"  
src="appMobiSocial.js"></script>
```



POWERED BY **appMobi**

USE THE XDK TO ADD SOCIALIZATION (cont.)

You will need to create a new AppMobi.toolkit.social object for each service desired. The service name that you entered in the XDK settings above when declaring it must be used. When making the first request, the user will be authorized against the service in a popup webview. AppMobi handles all token management, etc.

```
// create service name "twitter"
var serviceName="twitter";
var twitter= new AppMobi.toolkit.social(serviceName);
```

Before you can use OAuth in AppMobi, you must check it's availability via two methods:

- AppMobi.oauthAvailable is a property you can check after appMobi.device.ready fires.
- appMobi.oauth.setup is an event that is triggered when OAuth is ready after appMobi.device.ready fires.

To make a request, you simply call

```
twitter.makeRequest("https://api.twitter.com/1/statuses/update.json","set_update","POST",checkResult,"status=foobar");
```

The function takes the following five parameters:

1. URL - API request url
2. Service id - this should be unique per request url e.g "set_update"
3. Method - GET/POST (optional defaults to GET)
4. Callback function (optional) — Function to execute after the request
5. Request Body - url parameters to pass in the request

If you want to deauthorize a service from an application, call `twitter.deAuthorizeService();`

XHR.JS – CROSS DOMAIN AJAX REQUESTS

This script will allow Cross Domain AJAX requests in AppMobi applications and the XDK. It is automatically included with the XDK and your application bundle on the device. This library overrides the XMLHttpRequest object to use native functions to bypass the Same-Domain origin policy. The new object is backward compatible, so you do not need to change any of your code to use it.

It has been tested against the raw XMLHttpRequest object and JQuery.

When building your application, simply add the file by including the following script tag:

```
<script type="text/javascript" charset="utf-8"
src="http://localhost:58888/_appMobi/xhr.js"></script>
```

ABOUT THE HACK-A-THON

Mobile App Hackathon (@mobilehackathon) is a hacker event for new and experienced developers working on mobile apps. Experienced coders can show off their mobile apps while new app developers will learn from the best.

The hackathon is the first in a series of mobile development events brought to you by the AT&T Developer Program and will include talks from members of the PhoneGap and AppMobi platform teams, Sencha and Apigee. You won't want to miss this opportunity to show off your app or learn how to create great ones.

