

monkehTweet v1.3

Thank you for downloading monkehTweet, a ColdFusion Package developed to interact with the Twitter APIs.

| | |
|--|---|
| monkehTweet v1.3 | 1 |
| License and Credits | 2 |
| Authors | 2 |
| Requirements | 2 |
| Installation | 3 |
| Getting Started | 3 |
| Figure 1 – The initial application page | 4 |
| Figure 2 – The required consumer details from the application page | 4 |
| Figure 3 – Obtaining the access details from your application page | 5 |
| Limitations | 7 |
| Remaining functionality | 7 |
| Testing | 7 |

License and Credits

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Authors

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<http://www.amazon.co.uk/wishlist/B9PFNDZNH4PY>

Requirements

monkehTweet requires ColdFusion 8+

Installation

Unzip the package archive to the desired location (typically in the web root). After installation, you will see the following directories:

- Installation (contains this installation guide, no more, no less)
- com (contains all of the ColdFusion Components required for the application to interact with the Twitter API)

The application does not interact with any database, and as such needs no datasources.

Getting Started

Version 1.2.4+ of monkehTweet was released to include the OAuth authentication protocol, which now completely replaces the basic authentication method previously offered by Twitter.

To interact with the Twitter API, you will need to create an application with Twitter, which generates the consumer key and secret values that are required to instantiate and work with monkehTweet (and indeed the API itself).

Visit <http://dev.twitter.com/apps> to register a new application.

Items to note in here:

- Application type – set to browser
- Callback URL – you can set your initial callback URL here (e.g. <http://localhost:8500/authorize.cfm>) but you can overwrite this when making the actual authorization call from monkehTweet
- Access type – set to Read & Write to allow posts

| | |
|-----------------------------|--|
| Application Name: | <input type="text" value="monkehTweet"/> |
| Description: | <input type="text" value="A twitter application using the monkehTweet ColdFusion API library"/> |
| Application Website: | <input type="text" value="http://127.0.0.1:8500/monkeh1"/> <small>Where's your application's home page, where users can go to download or use it?</small> |
| Organization: | <input type="text" value="coldfumonkeh"/> |
| Application Type: | <input type="radio"/> Client <input checked="" type="radio"/> Browser <small>Does your application run in a Web Browser or a Desktop Client? Browser uses a Callback URL to return to your App after successful authentication. Client prompts your user to return to your application after approving access.</small> |
| Callback URL: | <input type="text" value="http://127.0.0.1:8500/monkeh1"/> <small>Where should we return to after successfully authenticating? You can override this at any time by sending an <code>oauth_callback</code> while obtaining a request_token. You can authorize additional domains if your app has more than one.</small> |
| Default Access type: | <input checked="" type="radio"/> Read & Write <input type="radio"/> Read-only <small>What type of access does your application need? Note: @Anywhere applications</small> |

Figure 1 – The initial application page

Having created your application, you need to make a note of the consumer details (the consumer key and consumer secret). These are required when instantiating the monkehTweet component.

| | |
|--|---|
| OAuth 1.0a Settings | |
| OAuth 1.0a integrations require more work. | |
| Consumer key | <input type="text" value="8a51c3d1e3b141118a51c3d1e3b14111"/> |
| Consumer secret | <input type="text" value="8a51c3d1e3b141118a51c3d1e3b14111"/> |

Figure 2 – The required consumer details from the application page

If you are using the application for numerous users (a number of accounts using your application to interact with Twitter) then your job here is done.

Simply instantiate the component with the consumer details and set up your code to request authentication and access for each user, as per the code samples within the `monkehTweet` download.

Instantiation is incredibly easy, as seen in the below example:

```
<cffunction name="OnApplicationStart"
    access="public"
    returntype="boolean"
    output="false">
    <cfscript>
    application.objMonkehTweet =
        createObject('component',
            'com.coldfumonkeh.monkehTweet')
        .init(
            consumerKey      = '< enter your consumer key >',
            consumerSecret   = '< enter your consumer secret >',
            parseResults     = true
        );
        return true;
    </cfscript>
</cffunction>
```

If you are intending to be the sole user (only your Twitter account will access the API) then you can bypass the requirement for authentication.

Within the application details page for your new application on <http://dev.twitter.com>, select the 'My Access Token' option from the right-hand menu.

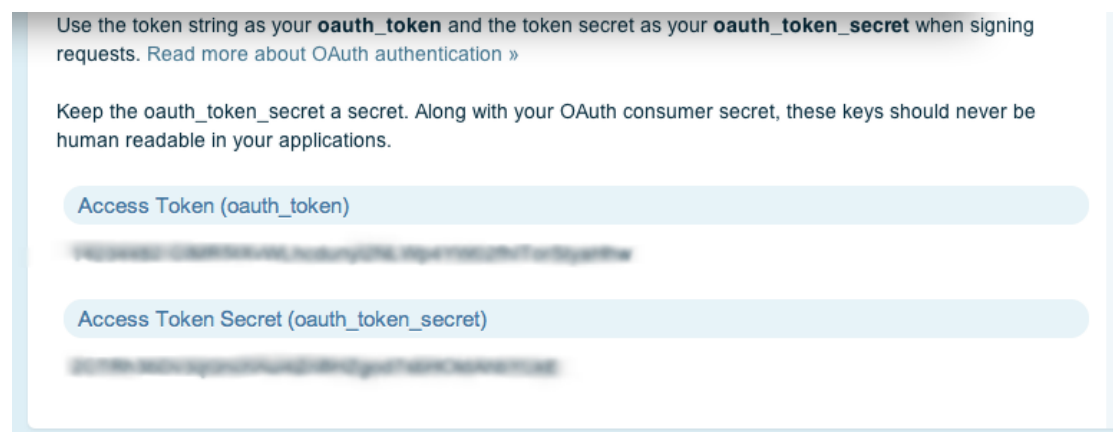


Figure 3 – Obtaining the access details from your application page

Copy the access token and access token secret (the OAuth tokens) from this screen, and use these along with your Twitter account screen name in the init() method when instantiating the monkehTweet component, as seen below:

```
<cffunction name="OnApplicationStart"
    access="public"
    returntype="boolean"
    output="false">
    <cfscript>
        application.objMonkehTweet =
            createObject('component',
                'com.coldfumonkeh.monkehTweet')
            .init(
                consumerKey      = '< enter your consumer key >',
                consumerSecret   = '< enter your consumer secret >',
                oauthToken       = '< enter the access token >',
                oauthTokenSecret = '< enter the access secret >',
                userAccountName   = '< enter your twitter screen name >',
                parseResults     = true
            );
            return true;
    </cfscript>
</cffunction>
```

This essentially bypasses the need for OAuth requests and redirects as we now have the access details for your account. You are ready to use monkehTweet instantly.

Lucky you. ☺

Limitations

Remaining functionality

monkehTweet is currently up to date with the Twitter API.

Testing

monkehTweet has been tested on the Adobe ColdFusion platform. It has yet to be tested fully on Railo or OpenBlueDragon.