

PHP: OAuth Sample Code

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The following code uses the OAuth Client library found here:
(<http://code.google.com/p/oauth-php/>) -- but any library will work.

```
/**
 * testapiAction
 * The following code tests the OAUTH authentication method of our API
 *
 * It uses the OAUTH clientside library -- but any oauth library would
work.
 * Much of this code will be handled by your library -- but we're spee
ing everything out here.
 * the most important pieces of information are: consumer key, secret,
the end_point URLs and the callback url. (and the URL of the API too)
 * @author Christian
 */
public function testapiAction()
{

    //The following codes are the consumer key and secret
    //every application that uses our api will need one of these and you
an register one at http://appv3.sgizmo.com/Account/restful-register (in
n account)
    $key = 'put your key here'; // this is your consumer key
    $secret = 'put your secret here'; // this is your secret

    //This is the main "head" of the api -- all oauth calls go through t
e API.
    $host = 'http://restapi.surveygizmo.com/head';

    //This is the URL that we use to request a new access token
    $request_token = $host . '/oauth/request_token';

    //After getting an access token we'll want to have the user authentic
te
    $authorize_url = $host . '/oauth/authenticate';

    //this final call fetches an access token.
    $access_token = $host . '/oauth/access_token';

    //CREATE an OAUTH SESSION
    $options = array
    (
        'consumer key' => $key,
```

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        'consumer_secret' => $secret,
        'request_token_uri' => $request_token,
        'authorize_uri' => $authorize_url,
        'access_token_uri' => $access_token
    );

    //create the actual session (this is where permanent tokens would be
loaded in real code... but just testign here)
    OAuthStore::instance("Session", $options);

    try
    {

        // Okie dokie, let's see if we are already in the process of getting
a token or not
        if (empty($_GET["oauth_token"]))
        { // nope, no token -- so let's start by requesting an access token
from the surveygizmo api

            $getAuthTokenParams = array('xoauth_displayname' => 'Christian V
neks Groovy Test', //this is the name of the application asking for Appro
val. It will be shown on the approval page
                'oauth_callback' => 'http://beta.sgizmo.com/Widget/testcode
i'); // this is the call back to my application (this test code)

            //Request a Request Token - this is done totally server-to-server
r
            $tokenResultParams = OAuthRequester::requestRequestToken($key, ($
$getAuthTokenParams);

            //Okie dokie, now let's authorize (this requires a redirect) --
hen we come back we'll be in the next part of this IF statement
            header("Location: " . $authorize_url . "?oauth_token=" . $tokenR
sultParams['token']);
        }
        else
        {

            //We have a request token that's been authorized at this point
ssuming the login and the "approve" button was pressed successfully)
            $oauthToken = $_GET["oauth_token"];

            //Let's load the auth token from the GET parameter
            $tokenResultParams = $_GET;

            try {
                //the next step is to ask for an access token (which actually
ts us grab data).
                OAuthRequester::requestAccessToken($key, $oauthToken, 0, 'P

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    OAuthRequester::requestAccessToken($key, $oauthToken, 0, 'E
T', $_GET);
    }
    catch (OAuthException2 $e)
    {
        echo "Errors occurred" . $e;
        //if an error occurs here it's likely the result of a signature
verification problem. It might also be because the request token exp
ired (unlikely for us)
        return;
    }

    //WE HAVE ACCESS!!!
    //Yes, at this point the token has been flagged as authorized and
turned into an access token - ready to make calls.

    //so let's make a simple call to get the user list from the API
or this account
    $request = new OAuthRequester("http://restapi.surveygizmo.com/he
d/AccountUser.debug", 'GET', $tokenResultParams);

    //making request...
    $result = $request->doRequest(0);

    //Request has been made! Let's display the results
    if ($result['code'] == 200) // codes in the 200s mean success.
    {
        //print out the token information (just for fun)
        echo '

```

Token Result

```

'; print_r($tokenResultParams); //this is the entire $result array returned from
the OAuthClient library echo '

```

Result

```

'; print_r($result); //this is likely what we are interested in -- the body of the
response from the other server echo '

```

Body

```
'; print_r($result['body']); } else { //if we didn't get 200 back it's an error echo  
'Error'; } } catch(OAuthException2 $e) { //general error catching. sure hope we  
don't need it! echo "OAuthException: " . $e->getMessage(); } exit; }
```