SwiftRiver API Authentication

Authentication

All API endpoints require an OAuth access token.

Access tokens can generally be obtained by following these steps:

1. Register an application here to obtain a client_id and client_secret.
2. Redirect the user to https://swiftapp.com/oauth/authorize, using the client_id, scope and redirect_uri parameters to pass your client ID and the page you would like to redirect to upon acquiring an access token.
3. The user will be prompted to authorise your application and if authorised, the user will be directed to the page specified in the redirect_uri parameter. An authorization_code parameter will be appended to this request.
4. Pass the authorization_code to the /oauth/token API endpoint to acquire an OAuth access token.

Authorization Endpoint

Endpoint	Description
https://swiftapp/oauth/authorize	Initial step in .

Request Parameters

Parameter	Description
response_type	Either code or token. What to return, an authorization_code or access_token for implicit authorization grants.
client_id	The client identifier provided when registering the application.
redirect_uri	The url to redirect the user to when authorization is granted. Must match the redirect url provided when registering the application.
scope	The level of access to the account being requested.
state	Any client defined string that will be passed on to redirect_uri.

Response

The authorization server will redirect the user to the redirect_uri provided with the following parameters:

Parameter	Description
code	The authorization code to be exchanged via the token end point for an authorization token.
state	The value of the state parameter given by the client in the authorization request.

Access Token Endpoint

Endpoint	Description
oauth/token	Used to exchange an authorization grant or refresh token for an access token.

Basic HTTP authentication is required for this end point. The username and password are the client_id and client_secret for the client application.

Request Parameters

Parameter	Description
grant_type	authorisation_code, password or refresh_token. Password grant_type is not generally available and most applications will use an authorisation_code grant type.
code	The authorization code received from the authorisation endpoint.
refresh_token	The refresh token issued to the client.
username	For password grant type, the account's username.
password	For password grant type, the account's password.
redirect_uri	The redirect_uri that was sent to the authorization endpoint.
client_id	Client identifier for the application requesting authorization.
state	Any client defined string that will be passed on to redirect_uri.

Response

Parameter	Description
access_token	Access token to be used for accessing API resources.
token_type	The authorization code received from the authorisation endpoint.
expires_in	Duration in seconds after which the access_token will expire.
refresh_token	Token to be used to retrieve a new access_token when the current on expires.
scope	Level of access for the access_token.