

Authentication

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Fill out our [request form](#) to be notified of critical updates/changes to the Alchemer API.

To access your account via the API you'll need to create an API Key and API Secret Key for authentication.

Admin Users

To obtain an API Key and API Secret Key administrative users can go to **Security > API Access** and click **Create an API Key**.

Manage API

API Access Rules Allow API access.
 Do not allow any API access.

API Access Rules Do not allow API GET calls.
 Do not allow API PUT calls.
 Do not allow API POST calls.
 Do not allow API DELETE calls.
 Do not allow access to the API using OAUTH authentication.

API Keys

Date Created	Status	User	API Key	API Secret Key
<input type="button" value="Create an API Key"/>				

As API Keys are generated per user you will need to select the user for which you wish to generate keys. Make sure to generate keys per each user that accesses the API.

All API Keys for all users will then display on the API Settings page. If at any time you suspect that a user's API Key has been compromised, you can click the **Regenerate API key** button to create a new key.

Manage API

- API Access Rules Allow API access.
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- API Access Rules Do not allow API GET calls.
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 Do not allow API POST calls.
 Do not allow API DELETE calls.
 Do not allow access to the API using OAUTH authentication.

API Keys	Date Created	Status	User	API Key	API Secret Key
	Feb 6, 2017 9:12 am	Active		<input type="text"/>	<input type="text"/> ✕
	Nov 5, 2018 3:46 pm	Active		<input type="text"/>	<input type="text"/> ✕

What Happens if a User Tries to Authenticate with an Old Key?

If you create a new key for a user that has an existing key, their old API key is deleted and will no longer work. Here is the return you will get:

```
"result_ok": false,  
"code": 401,  
"message": "Login failed / Invalid auth token"
```

If you are simply creating a key for a new user this will not affect any of the other keys set up in your account.

Non-Admin Users

For non-admin users once your account administrator has generated a API Key for you this will be available under **Account > Integrations > API Key**. If you do not have an API Key here, contact your account administrator to generate one.

API Key

Your API Key:

[Redacted]

Your API Secret Key:

[Redacted]

API Request Parameters:

?api_token=[Redacted]&api_token_secret=[Redacted]

Status:

Active

Created:

Mar 21, 2019 2:36 pm

Making Calls with Your API Key

Here is an example call using an API key:

```
https://api.alchemer.com/v4/survey?  
api_token=E4F796932C2743FEBF150B421BE15EB9&api_token_secret=A9fGMkJ5pJF1k
```

Invalid api_token or api_token_secret

If you supply an invalid `api_token` or `api_token_secret`, you will see the following error message:

```
Invalid api_token or api_token_secret supplied
```

OAuth

To authenticate using OAuth, you'll want to first register your plug-in/application. Each plug-in application you register will be provisioned a consumer key and secret. This key and secret scheme are similar to the public and private keys used in protocols such as ssh for those who are familiar. This key and secret will be used, in conjunction with an OAuth library in your programming language of choice, to sign every request you make to the API. It is through this signing process that we trust that the traffic that identifies itself as you is, in fact, you.

Registering Your Application

Registering your application is simple. Simply **log into your Alchemer account** and fill out the OAuth Application Registration form. To get to the OAuth Application Registration form go to the below URL:

US Customers use:

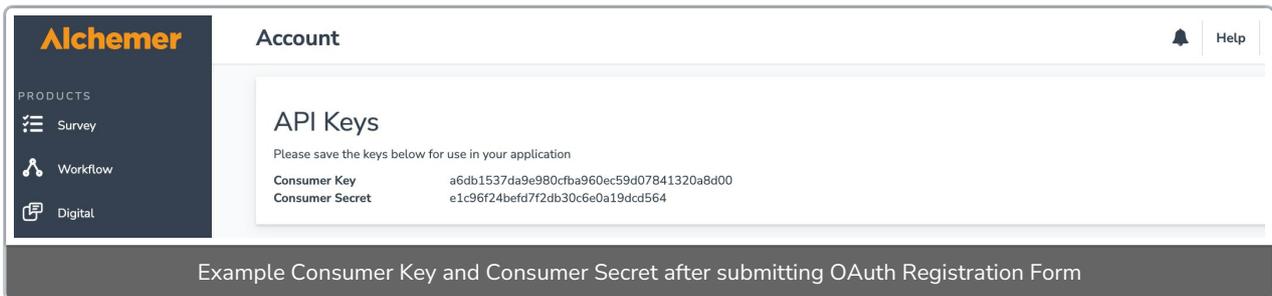
```
https://app.alchemer.com/account/restful-register
```

EU Customers use:

<https://app.alchemer.eu/account/restful-register>

Canada Customers use:

<https://app.alchemer-ca.com/account/restful-register>



The screenshot shows the Alchemer Account page. On the left is a navigation menu with 'Alchemer' logo and 'PRODUCTS' section containing 'Survey', 'Workflow', and 'Digital'. The main content area is titled 'Account' and 'API Keys'. Below the title, it says 'Please save the keys below for use in your application'. A table displays the 'Consumer Key' and 'Consumer Secret'.

Consumer Key	a6db1537da9e980cfba960ec59d07841320a8d00
Consumer Secret	e1c96f24befd7f2db30c6e0a19dcd564

Example Consumer Key and Consumer Secret after submitting OAuth Registration Form

You can use the Consumer Key and Consumer Secret to make calls directly with OAuth 1.0. The steps outlined in the "OAuth 1.0 Authorization Flow" section are considered optional unless there is a need to manage API access for particular users in the Alchemer account.

OAuth 1.0 Authorization Flow

Alchemer API supports authentication with OAuth 1.0, for more information refer to the [OAuth 1.0 documentation](#).

This is a typical OAuth 1.0 authorization flow, it may differ in your case.

1. Call the Request Token service with your Consumer Key and Secret to get the Request Token. Set the callback URL to the URL that you control.
2. Redirect your user to the login URL, including the Request Token. The user will login with their username and password and be redirected to your callback URL. That callback will include the OAuth 1.0 verifier that you need to get the Access Token.
3. Call the Access Token service with OAuth 1.0 verifier from the callback to get the Access Token and Token Secret.
4. Make API calls using OAuth 1.0 in that user's scope with the Consumer Key and Consumer Secret along with the Access Token and Token Secret.

Request Token URL

Region	Endpoint
US	https://api.alchemer.com/head/oauth/request_token
EU	https://api.alchemer.eu/head/oauth/request_token
CA	https://apica.alchemer.com/head/oauth/request_token

User Authorization URL

Region	Redirect URL for End User Login
US	https://api.alchemer.com/head/oauth/authenticate?oauth_token=[request token]
EU	https://api.alchemer.eu/head/oauth/authenticate?oauth_token=[request token]
CA	https://apica.alchemer.com/head/oauth/authenticate?oauth_token=[request token]

Access Token URL

Region	Endpoint
US	https://api.alchemer.com/head/oauth/access_token
EU	https://api.alchemer.eu/head/oauth/access_token
CA	https://apica.alchemer.com/head/oauth/access_token