

OAuth



OAuth (Open Authorization)

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OAuth

(Open Authorization)

OAuth (Open Authorization) is an **authentication protocol** that allows **users to give access to their data stored on one website or application to another website or application, without** giving away their **username and password**.


OAuth

How it works :


1. The user logs in to their account on the first website or application (also known as the "**OAuth provider**") that **has the data** they want to share.
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OAuth

Some OAuth Providers :

 Login with Google

 Login with Twitter

 Login with Digits

 Login with Github

 Login with Tumblr

 Login with Facebook

OAuth

How it works :

2. The user wants to **share that data** with a second website (also known as the "**OAuth consumer**").
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OAuth

OAuth Consumer :

OAuth consumer/client is **the website or application** that is **requesting access to a user's data** from a third-party service/OAuth provider.

OAuth



Cyclic 

Continue to login or create a new account



Continue with GitHub

Can you tell who is the **OAuth Consumer** and **OAuth Provider** here?

OAuth

Can you tell who is the **OAuth Consumer** and **OAuth Provider** here?

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Sign In

Phone number or email address

Enter phone number or email address

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OAuth

How it works :

3. The second website/**consumer requests** access to the **user's data** on the first website/provider.
 4. The first website/provider then redirects the user to a login page to authenticate their identity.
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OAuth

How it works :

5. Once the user is authenticated, the first website/provider prompts the user to grant access to their data to the second website/consumer.
 6. The user confirms, and the first website/**provider issues an access token to the second website/consumer.**
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OAuth

How it works :

7. The second website/**consumer** can then **use the access token to access the user's data** on the first website/**provider**, without ever seeing the user's username and password.

OAuth

Advantages :

1. Smooth login/better user experience
 2. Improved security
 3. Control access
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OAuth

Disadvantages :

1. Complexity (while implementing on dev side)
 2. Dependency on third parties/Oauth providers
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OAuth

Implementation steps :

1. Choose an OAuth provider.
 2. Register your application.
 3. Install an OAuth library (Passport for example).
 4. Set up the OAuth flow.
 5. Use the access token to authenticate.
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Thank You

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