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CIENCIAS DE LA COMPUTACIÓN

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OAUTH

Oauth is the widely adopted industry standard protocol for authorization that allows consent for one application to interact with another by providing its name without having to reveal passwords. It does this by providing access tokens to third-party services without exposing the user's credentials. Instead of sharing password data, OAuth uses authorization tokens to prove an identity between consumers and service providers, such as Twitter, Facebook and Google.

OAuth is about authorization and not authentication. Authentication is proving your identity so that you can access an application or system. Authorization is asking for and receiving permission to access specific data, features or areas of that application or system.

The authorization process follows the following steps:

- The application requests authorization to access a protected service provider.
- The user authorizes the request.
- The application provides proof of the user's authorization to the service provider in exchange for an access token.
- The user is redirected to the service provider to provide permission.
- Once approved by the user, the application obtains the access token.
- The application requests access to the service provider's protected resources.

The major benefit of OAuth for a website, such as a news, community or e-commerce site, is that access to the authenticated website can be extended to an unlimited number of additional users without those users creating new accounts requiring an email address and a new password. Open authorization reduces friction for both parties. Websites can scale and users do not have to create another online account.