

COMPUTER SCIENCE DEPARTMENT

Advanced Web Development

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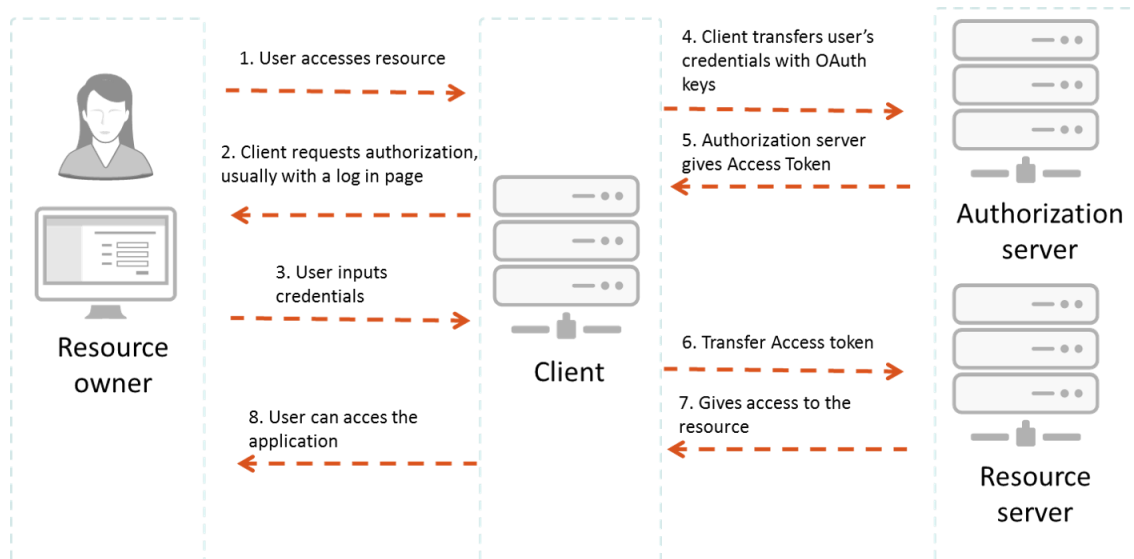
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Career: Software

OAuth

OAuth (Open Authorization), It is an identity and access management solution, Its main purpose is to grant authorizations to users. This is a protocol for passing authorization from one service to another without sharing actual user credentials, such as a username and password. In this way a user can log in to one platform and then be authorized to perform actions and view data on another platform.

How it works?



In 2012 OAuth 2.0 replaced OAuth 1.0 and is now the standard providing consented access and restricting what actions the client application can perform on resources on behalf of the user, never sharing the user's credentials.

These are the essential components of an OAuth 2.0 system.

Resource Owner: Is the user or system that owns the protected resources.

Client: The client is the system that requires access to the protected resources.

Authorization server: The server receives requests for access tokens from the client and issues them upon successful authentication and consent of the resource owner.

Resource Server: A server that protects the user's resources and receives access requests from the Client, in addition to returning the appropriate resources.

Advantages:

OAuth 2.0 is a very flexible protocol that is based on SSL (Secure Sockets Layer), which ensures that data between the web server and browser remains private.

OAuth 2.0 Secure cryptographic industry protocols and is used to maintain data security.

It has the ability to share data for users without having to disclose personal information.

It is easier to implement and provides stronger authentication.

References:

auth0. (s.f.). What is OAuth 2.0? Retrieved on June 9, 2022, from <https://auth0.com/intro-to-iam/what-is-oauth-2/>

Dharshika Singarathnam. (September 23, 2019). Introduction to OAuth 2.0 Protocol. Retrieved from <https://medium.com/@dharshikasingarathnam/introduction-to-oauth-2-0-protocol-90b1ffc93f60>