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WEB 335 Introduction to NoSQL

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Discussion 6.1

OAuth and OpenID Connect are both authentication protocols that are widely used to protect user data and privacy online. However, they serve different purposes and function a bit differently.

OAuth is mostly used for authorization, which is the process of granting access to specific services on behalf of a user. It enables users to grant third-party applications access to their data stored on another platform without giving away their login credentials. An example of this is creating an account or logging into an app or website using Facebook or Google credentials which are facilitated through OAuth. Instead of creating a new account with a new username and password, you can choose to log in using your Google or Facebook account. When you click the "log in with Google/Facebook" button, you get redirected to Google or Facebook's authentication server, where you'll be asked to grant permission for the new platform to access your basic profile information, such as your name and profile picture. If you grant permission, the new platform will be able to access your information from Google/Facebook without requiring your actual Google/Facebook login credentials.

On the other hand, OpenID Connect is a protocol used for authentication that verifies a user's identity. It is built on top of the OAuth 2.0 protocol. OpenID Connect lets users authenticate with several applications using a single account. OpenID Connect can also provide additional user information, such as name, email, and a profile picture, to the application requesting access. OIDC (OpenID Connect) also provides additional security features, such as ID tokens, which allow applications to verify the identity of the user and the authenticity of the authentication response, and session management, which enables users to manage their sessions across multiple devices and platforms.

References

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