**Datum360 support authentication using the OAuth protocol.**

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**OAuth2SchemeAccessCode** (also known as the **Authorization Code Flow**) and **OAuth2Scheme** (commonly used for securing API access and enabling single sign-on). 🕵️‍♂️

1. **OAuth2SchemeAccessCode (Authorization Code Flow):**
   * **Use Case**: This flow is typically used for **web applications** executing on a server.
   * **How It Works**:
     + The user is redirected to an **authorization server**.
     + After the user grants permission, the authorization server returns an **authorization code**.
     + The application exchanges this code for an **access token** (and optionally a **refresh token**).
   * **Security Considerations**:
     + The access token is passed directly to the web server hosting the client, avoiding exposure through the user’s web browser.
     + Considered a safe choice.
   * **Example**: When a user logs in to a web app and the app needs to access an API on their behalf.

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1. **OAuth2Scheme (Application Flow):**
   * **Use Case**: Commonly used for securing **API access** and enabling **single sign-on (SSO)** between different services.
   * **How It Works**:
     + Users sign in to an application once and use the same authorization to access other applications.
     + When a user accesses a new application, they are redirected to an **authorization server**.
     + [The authorization server checks if the access token is already authenticated before allowing access to the application1](https://auth0.com/docs/get-started/authentication-and-authorization-flow/which-oauth-2-0-flow-should-i-use)[2](https://medium.com/@kevincyriactom/oauth-vs-oauth2-key-differences-and-when-to-use-each-9be05d56807d).
   * **Example**: When a user logs in to a service and then wants to access another service without having to log in again.

[In summary, the **Authorization Code Flow** is suitable for web applications, while the **Application Flow** (OAuth2Scheme) is commonly used for securing API access and enabling single sign-on between different services1](https://auth0.com/docs/get-started/authentication-and-authorization-flow/which-oauth-2-0-flow-should-i-use)[2](https://medium.com/@kevincyriactom/oauth-vs-oauth2-key-differences-and-when-to-use-each-9be05d56807d). 🚀