



The steps in the diagram are described below:

1. The end user wants to use the services provided by the relying party. Web-based service requires an account to provide those services.
The end user issues a request to the relying party to access their information, which is stored in an OpenID provider.
2. To access the end user's information in the provider, the relying party requires authorization from the end user. Therefore, the relying party redirects the end user's user agent...
3. ... to the OpenID provider.
4. The OpenID provider authenticates the end user, confirms resource access, and gathers consent if not previously saved.
5. If the end user's credentials are valid, the OpenID provider redirects the end user to the relying party.
6. During the redirection process, the OpenID provider appends an authorization code and an ID token to the URL.
7. The relying party stores the authorization code for future use. It also validates the ID token and gets the subject ID.
8. With the ID token, the relying party starts providing services to the end user.
9. Later, but always before the authorization code has expired, the relying party requests an access token from the OpenID provider so it can access more information about the end user.
A use case would be the end user requiring services from the relying party that requires additional (usually more sensitive) information. For example, the end user requests the relying party to compare their electricity usage and supplier information against offers in the market.
If required, the relying party could also request a refresh token.
10. If the relying party credentials and the authorization code are valid, AM returns an access token.
11. The relying party makes a request to AM's `/oauth2/userinfo` endpoint with the access token to access the end user's additional claims.
12. If the access token is valid, the `/oauth2/userinfo` endpoint returns additional claims, if any.
13. The relying party can now use the subject ID in the ID token and the additional claims as the end user's identity to provide them with more services.