

# Sign in with World ID Reference

Sign in with World ID uses a different base API endpoint than the Developer Portal.

Base domain

<https://id.worldcoin.org> Copy Copied!

This page primarily describes options that are OIDC-compliant. We additionally support using access tokens as described in the OAuth2 standards. No actions can be taken on behalf of a user with OAuth2 access tokens, but you may retrieve the same information about a user as would be contained in anid\_token .[See below for details.](#)

## [OpenID Connect discovery](#)

GET

`/.well-known/openid-configuration`

Fetches the OpenID Connect discovery document.

## [Common Errors](#)

- method\_not\_allowed
- : HTTP method is not allowed. Only GET and OPTIONS may be used

## Request

GET

`/.well-known/openid-configuration` curl <https://id.worldcoin.org/.well-known/openid-configuration> Copy Copied!

## Response

{ "issuer" :

"https://id.worldcoin.org" , "authorization\_endpoint" :

"https://id.worldcoin.org/authorize" , "token\_endpoint" :

"https://id.worldcoin.org/token" , "userinfo\_endpoint" :

"https://id.worldcoin.org/userinfo" , "jwks\_uri" :

"https://id.worldcoin.org/jwks" , "scopes\_supported" : [ "openid" ,

"email" ,

"profile" ] , "response\_types\_supported" : [ "code" ,

"id\_token" ,

"id\_token token" ,

"code id\_token" ] , "grant\_types\_supported" : [ "authorization\_code" ,

"implicit" ] , "subject\_types\_supported" : [ "pairwise" ] , "id\_token\_signing\_alg\_values\_supported" : [ "RSA" ] } Copy Copied!

## [Authorize](#)

GET

`/authorize`

Redirect your users to this page to begin the sign-in flow.

## [Required attributes](#)

All attributes are formatted as URL query parameters.

- Name
- response\_type
- Type
- string
- Description
- Must becode
- for authorization code flow, id\_token
- for implicit flow, or a space-separated combination ofcode
- , id\_token
- , andtoken
- for hybrid flow. We generally recommend using the authorization code or implicit flows.
- Name
- scope
- Type
- string
- Description
- Space-separated list of the requested OIDC scopes. Must includeopenid
- , and may optionally includeemail
- andprofile
- .
- Name
- client\_id
- Type
- string
- Description
- The Client ID of your app. Get this from the Developer Portal.
- Name
- redirect\_uri
- Type
- string
- Description
- URL the user will be redirected to after authentication. Must match one of your app's configuredredirect\_uris
- .

## **Optional attributes**

- Name
- state
- Type
- string
- Description
- An opaque value used to maintain state between the request and the callback.
- Name
- nonce
- Type
- string
- Description
- Required when using the implicit flow.
- Used to prevent replay attacks. Should be randomly generated for each sign-in, and checked to ensure it's unchanged after the callback.
- Name
- response\_mode
- Type
- string
- Description
- Determines how the authorization code, ID token, and/or access token are returned. Must be one ofquery
- , fragment
- , orform\_post
- .query
- is only supported for the authorization code flow. Defaults toquery
- for authorization code flow, andfragment
- for all others.

## **Common Errors**

- required
- : A necessary attribute was not set. Required attributes are:response\_type scope client\_id redirect\_uri
- invalid\_redirect\_uri

- : The provided redirect URI is invalid. Ensure you've set the correct redirect\_uri
- in the Developer Portal.

## Request

GET

/authorize https://id.worldcoin.org/authorize?redirect\_uri=https%3A%2F%2Fdocs.worldcoin.org%2Ftry-callback&response\_type=code&scope=openid+profile+email&client\_id=app\_ce4cb73cb75fc3b73b71ffb4de178410 Copy Copied!

## Response

Authorization Code ID Token https://example.app/api/auth/callback/worldcoin?code=e777d780f437330bbd79535b Copy Copied!

## Exchange Code

POST

/token

Exchanges an authorization code for an id\_token for the given user.

## Required attributes

- Name
- code
- Type
- string
- Description
- The authorization code to exchange.
- Name
- grant\_type
- Type
- string
- Description
- The type of grant to exchange. Must be authorization\_code
- .

## Common Errors

- method\_not\_allowed
- : HTTP method is not allowed. Only POST and OPTIONS may be used
- invalid\_content\_type
- : The provided content type is invalid, only application/x-www-form-urlencoded
- is\_supported
- unauthenticated
- : The provided authorization token is invalid, try checking your credentials
- invalid\_grant\_type
- : The provided grant type is invalid, only authorization\_code
- is\_supported
- required
- : A necessary attribute was not set. Required attributes are: code
- invalid\_grant
- : The authorization code was invalid, and may be expired. Try generating a new code via /authorize

## Request

cURL JavaScript POST

/token curl -X

POST

https://id.worldcoin.org/token \ -H

"Authorization: Basic YXBwXzU1MGU4MjkwODJmYzU1OGUxMTJlMDYyMGMxYzdhNT..." \ -H

"Content-Type: application/x-www-form-urlencoded" \ -d

"code=23e5edda0f731dfdddace390&grant\_type=authorization\_code" Copy Copied!

## Response

{ "access\_token" :

"eyJhbGciOiJSUzI1NiIsImtpZCI6Imp3a1.eyJ8yZmVi.ZjY3MDc3N2UyY2NINzY5YzUxOG..." , "token\_type" :

"Bearer" , "expires\_in" :

3600 , "scope" :

"openid" , "id\_token" :

"eyJhbGciOiJSUzI1NiIsImtpZCI6Imp3a1.eyJ8yZmVi.ZjY3MDc3N2UyY2NINzY5YzUxOG..." } Copy Copied!

## OAuth2

If you selected token as one of your response\_types for the /authorize endpoint, you'll receive an OAuth2 access token. Typically an access token would allow you to perform certain actions on a user's behalf, but there are no actions to perform for a user in this case. You can retrieve the same information about a user with an access token as you'd receive in an ID token. While we support this functionality for broader compatibility, we generally recommend using the authorization code or implicit flows, rather than the hybrid flow.

The endpoints below are only used with an OAuth2 access token.

## Introspect

POST

/introspect

Validates the given access token is active for the user.

For introspect, [Basic Authentication](#) is used. The Authorization header contains the word "Basic ", followed by a base64 encoding of the "client\_id:client\_secret" values. You obtain your client\_id (also called app\_id) and client\_secret from the Developer Portal.

## Required attributes

- Name
- token
- Type
- string
- Description
- The access token to validate.

## Common Errors

- method\_not\_allowed
- : HTTP method is not allowed. Only POST may be used
- invalid\_content\_type
- : The provided content type is invalid, only application/x-www-form-urlencoded
- is supported
- required
- : A necessary attribute was not set. Required attributes are: token
- unauthenticated
- : The authorization header is missing, please pass the Bearer authorization token
- invalid\_token
- : The authorization token was invalid, and may be expired. Try generating a new token via /token

## Request

cURL JavaScript POST

/introspect curl -X

POST

https://id.worldcoin.org/introspect \ -H

"Authorization: Basic YXBwXzU1MGU4MjkwODJmYzU1OGUxMTJlMDYyMGMxYzdhNT..." \ -H

"Content-Type: application/x-www-form-urlencoded" \ --data-urlencode

"token=eyJhbGciOiJSUzI1NiIsImtpZCI6Iimp3a18yZmViZjY3MDc3N2UyY2NINzY5YzUxOGM3MDNkNTNjMStN..." Copy Copied!

## Response

{ "active" :

true , "client\_id" :

"app\_staging\_7550e829082fc558e112e0620c1c7a59" , "exp" :

1678330528 , "sub" :

"0x2ae86d6d747702b3b2c81811cd2b39875e8fa6b780ee4a207bdc203a7860b535" } Copy Copied!

## Get User Info

POST

/userinfo

Retrieves all user information, based on the approved scopes, with the given access token.

For userinfo, [Bearer Authentication](#) is used. The Authorization header contains the word "Bearer ", followed by the access token returned from the /token endpoint.

## Common Errors

- method\_not\_allowed
- : HTTP method is not allowed. Only GET, POST, and OPTIONS may be used
- unauthenticated
- : The authorization header is missing, please pass the Bearer authorization token
- invalid\_token
- : The authorization token was invalid, and may be expired. Try generating a new token via /token

## Request

cURL JavaScript POST

/userinfo curl -X

POST

https://id.worldcoin.org/userinfo \ -H "Authorization: Bearer  
eyJhbGciOiJSUzI1NiIsImtpZCI6Iimp3a18yZmViZjY3MDc3N2UyY2NIN..." Copy Copied!

## Response

{ "sub" :

"0x2ae86d6d747702b3b2c81811cd2b39875e8fa6b780ee4a207bdc203a7860b535" , "https://id.worldcoin.org/beta" : { // deprecated, will be removed in the future "likely\_human" :

"strong" , "credential\_type" :

"orb" } , "https://id.worldcoin.org/v1" : { "verification\_level" :

"orb" ,

// "orb" or "device" } , // if email scope is included: "email" :

"0x2ae86d6d747702b3b2c81811cd2b39875e8fa6b780ee4a207bdc203a7860b535@id.worldcoin.org" , // if profile scope is included: "name" :

"World ID User" , "given\_name" :

"World ID" , "family\_name" :

"User" } Copy Copied!