



LOG IN WITH RAZER

WEB DEVELOPMENT DOCUMENTATION

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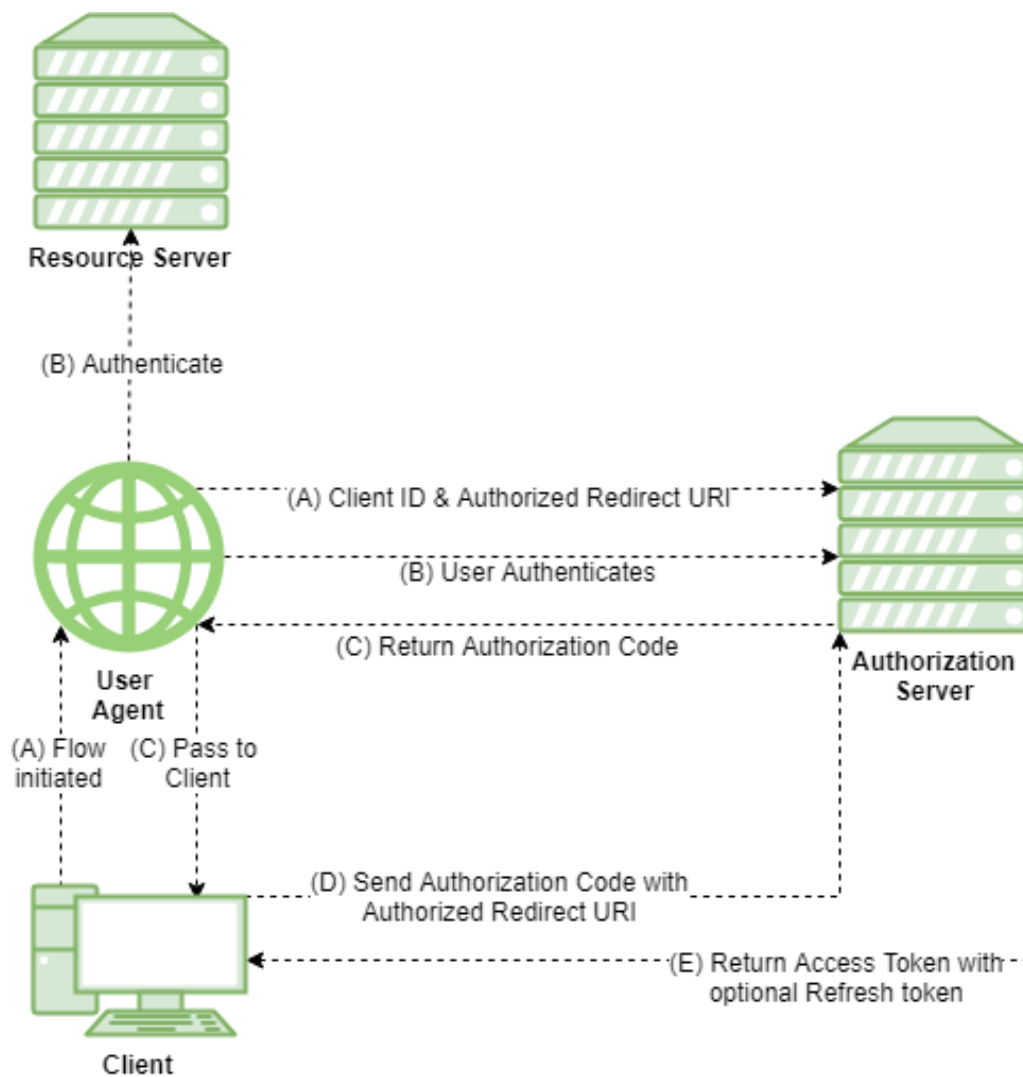
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## AUTHORIZATION CODE GRANT FLOW

Notes: The Flow and Flow Chart for the Authorization Code Grant Flow is from [RFC6749](https://tools.ietf.org/html/rfc6749).



### Endpoint

<https://oauth2.razer.com>

### URI

`/authorize_openid?response_type=code&l={languagecode}&scope=openid+profile&client_id={client_id}&state={state}&redirect_uri={redirect_uri}`

## Accepted HTTP Method

GET

## REQUEST

### Sample Request

GET

/authorize\_openid?response\_type=code&l=en&scope=openid+profile&client\_id=so21DSF1ddsf&state=xyz&redirect\_uri=http://www.yourdomain.com/callback

HTTP/1.1

### Request Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
response_type	string	false	1	1	Its value is "code" for authorization code grant flow.
client_id	string	false	1	1	The third party's client_id registered with Razer.
scope	string	false	1	1	To specify what access privileges are being requested for Access Tokens. Scope available for use: <ul style="list-style-type: none"><li>• openid (Mandatory)</li><li>• profile</li><li>• email</li><li>• phone</li><li>• address</li><li>• offline_access (For refresh token)</li></ul>
state	string	false	1	1	A randomly generated string/integer value used by the client to maintain state between the request and callback.

redirect_uri	string	false	1	1	Call back url too redirect back the code result.
l	string	true	0	1	<p>Sets the language on the login page</p> <p>[Language Code]</p> <ul style="list-style-type: none"> <li>- <i>de, German</i></li> <li>- <i>en, English</i></li> <li>- <i>es, Spanish</i></li> <li>- <i>fr, French</i></li> <li>- <i>id, Bahasa Indonesia</i></li> <li>- <i>ja, Japanese</i></li> <li>- <i>kr, Korean</i></li> <li>- <i>ja, Japanese</i></li> <li>- <i>ms-my, Bahasa Melayu</i></li> <li>- <i>my, Burmese</i></li> <li>- <i>pt-br, Brazilian Portugese</i></li> <li>- <i>ru, Russian</i></li> <li>- <i>th, Thai</i></li> <li>- <i>tr, Turkish</i></li> <li>- <i>vi, Vietnamese</i></li> <li>- <i>zh-cn, Chinese (Simplified)</i></li> <li>- <i>zh-hk, Chinese (Hong Kong SAR)</i></li> <li>- <i>zh-tw, Chinese (Taiwan)</i></li> </ul>

## RESPONSE

### Sample Response on Success

HTTP/1.1 302 Found

Location: [https://callback\\_url.com/callback?code=Sp1xl0BeZQQYbYS6WxSbIA&state=af0ifjsldkj](https://callback_url.com/callback?code=Sp1xl0BeZQQYbYS6WxSbIA&state=af0ifjsldkj)

### Sample Response on Error

HTTP/1.1 400 OK

Content-Type: application/json; charset=UTF-8

```
Cache-Control: no-store
```

```
Pragma: no-cache
```

```
error "invalid_client"
```

```
error_description "The client id supplied is invalid"
```

## Error Response Parameters

The client must ignore unrecognized value names in the response.

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	string	false	1	1	Error types. A single ASCII [USASCII] error code. Please refer to the list of possible error values below
error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information, used to assist the client developer in understanding the error that occurred.

## List of Possible Error Values

- **invalid\_request**

The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.

- **invalid\_client**

The client id is invalid.

- **access\_denied**

The resource owner or authorization server denied the request.

- **unsupported\_response\_type**

The authorization server does not support obtaining an authorization code using this method.

- **server\_error**

The authorization server encountered an unexpected condition that prevented it from fulfilling the request.

- **temporarily\_unavailable**

The authorization server is currently unable to handle the request due to a temporary overloading or server maintenance.

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## TOKEN REQUEST FLOW

### Endpoint

<https://oauth2.razer.com>

### URI

/token

### Accepted HTTP Method

POST

## REQUEST

### Sample Request

POST / token

client\_id={client\_id}&client\_secret={client\_secret}&grant\_type=authorization\_code&code={code from authorization code flow}&redirect\_uri= http://www.yourdomain.com/callback

HTTP/1.1

### Request Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
grant_type	string	false	1	1	Its value is "authorization_code" for token request flow.
client_id	string	false	1	1	The third party's client_id registered with Razer.
client_secret	string	true	0	1	The third party's client_id's secret.
code	string	false	1	1	Code obtained at "Authorization Code Grant Flow".



redirect_uri	string	false	1	1	Call back url too redirect back the code result.
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## RESPONSE

### Sample Response on Success

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "access_token": "2YotnFZFEjrlzCsicMWpAA",
  "refresh_token": "2YotnFZFEjrlzCsicMWpAA",
  "expires_in": 3600,
  "scope": "fitness"
}
```

### Successful Response Parameters

The client MUST ignore unrecognized value names in the response.

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
access_token	string	false	1	1	A short life access token which can be used by the app to request resources on the user's behalf.
scope	string	true	0	1	The scope granted to the third party app. The scope value is returned if it is different from the requested scope.
expires_in	signed integer	false	1	1	The life-time of the access token (in seconds).

## Sample Response on Error

```
HTTP/1.1 400 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "error": "access_denied"
}
```

## Error Response Parameters

The client must ignore unrecognized value names in the response.

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	string	false	1	1	Error types. A single ASCII [USASCII] error code. Please refer to the list of possible error values below
error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information, used to assist the client developer in understanding the error that occurred.
error_uri	string	true	0	1	A URI identifying a human-readable web page with information about the error, used to provide the client developer with additional information about the error.

## List of Possible Error Values

- **invalid\_request**

The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.

- **access\_denied**

The resource owner or authorization server denied the request.

- **unsupported\_response\_type**

The authorization server does not support obtaining an authorization code using this method.

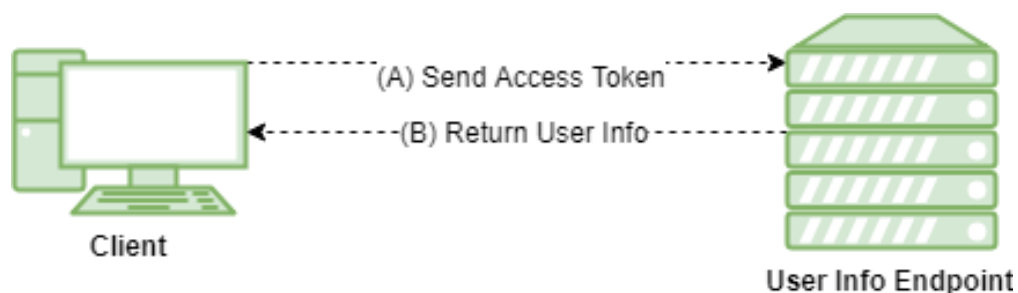
- **server\_error**

The authorization server encountered an unexpected condition that prevented it from fulfilling the request.

- **temporarily\_unavailable**

The authorization server is currently unable to handle the request due to a temporary overloading or server maintenance.

## USERINFO REQUEST API USING OPENID CONNECT PROTOCOL



### Userinfo Endpoint

<https://oauth2.razer.com>

### URI

/userinfo

### Accepted HTTP Method

GET

### REQUEST

#### Sample Request

```
GET /userinfo HTTP/1.1
Host: server-location.domain
Authorization: Bearer SLAV32hkKG
```

### Request Parameters

Type	Name	Description	Schema	Default
Header	Authorization required	The Authorization Header. For more details, please refer to the <a href="#">OAuth 2.0 Bearer Token Usage</a> .	String	

## RESPONSE

### Sample Response on Success

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "avatar": "http://example.com/janedoe/me.jpg",
  "email": "janedoe@example.com",
  "first_name": "Jane",
  "last_name": "Doe",
  "nickname": "test",
  "sub": "248289761001"
}
```

### Successful Response Parameters

#### *Response in Standard Clams*

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
sub	string	false	1	1	The identifier for the end-user at the issuer.
razer-id	string	false	1	1	This value holds the end-user's Razer ID/Comms ID. This value can be 5 to 24 characters long and may only contain alphanumeric, dashes, periods and underscores. When there is no value set, this field will not be returned.
first_name	string	false	1	1	Given name(s) or first name(s) of the end-user.
last_name	string	false	1	1	Surname(s) or last name(s) of the end-user.
nickname	string	false	1	1	The Nickname of the end-user.

avatar	string	true	0	1	This field contains the end-user's avatar. The value of the avatar is the image's URL. The current maximum allowed avatar size is 0.5 MB. When the avatar is not set, this field will not be returned.
aboutme	string	true	0	1	This field contains the end-user's "about me".

### Response in Email Clams

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
email	string	false	1	1	The end-user's email address.

### Sample Response on Error

```
HTTP/1.1 401 Unauthorized
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "error": "invalid_token",
  "error_description": "The Access Token expired"
}
```

### Error Response Parameters

The client MUST ignore unrecognized value names in the response.

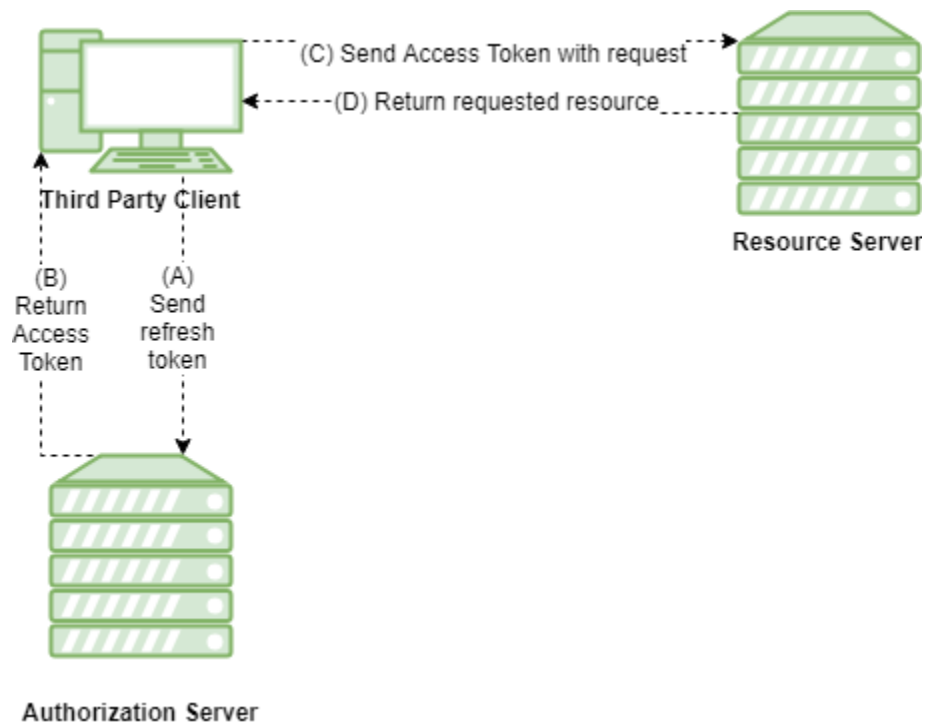
Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	string	false	1	1	Error types. A single ASCII [USASCII] error code. Please refer to the possible error values list of this response section.

error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information used to assist the client developer in understanding the error that occurred.
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### List of possible error values

- **invalid\_request**  
The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.
- **invalid\_grant**  
The client is not authorized to request an authorization code using this method.
- **access\_denied**  
The resource owner or authorization server denied the request.
- **unsupported\_response\_type**  
The authorization server does not support obtaining an authorization code using this method.
- **invalid\_scope**  
The requested scope is invalid, unknown, or malformed.
- **server\_error**  
The authorization server encountered an unexpected condition that prevented it from fulfilling the request.
- **temporarily\_unavailable**  
The server is currently unable to handle the request due to a temporary overloading or server maintenance.

## TOKEN REFRESH FLOW



### Authentication Endpoint

<https://oauth2.razer.com>

### URI

/token

### Accepted HTTP Method

POST

### Request

```
POST /token HTTP/1.1
```

```
Host: server-location.domain
```

```
Content-Type: application/x-www-form-urlencoded
```

```
grant_type=refresh_token&refresh_token=PC9Bc3nRpb2NlcnRpb24&client_id=third  
partyid
```



## Request Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
grant_type	string	false	1	1	Its value is "refresh_token" for token refresh flow.
refresh_token	string	false	1	1	Holds your app's refresh token value.
client_id	string	false	1	1	Your app's client_id registered with Razer.
client_secret	string	true	0	1	Your app's client secret.

## Response

### Sample response on success

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "access_token": "2YotnFZFEjrlzCsicMWpAA",
  "expires_in": 3600,
  "scope": "fitness"
}
```

## Successful Response Parameters

The client **MUST** ignore unrecognized value names in the response.

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
access_token	String	false	1	1	A short life access token which can be used by the app to request resources on the user's behalf
scope	string	true	0	1	The scope granted to the third party app. The scope value is returned if it is different from the requested scope.
expires_in	signed Integer	false	1	1	The life-time of the access token (in seconds).

## Sample response on error

```
HTTP/1.1 400 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "error": "access_denied"
}
```

## Error Response Parameters

The client MUST ignore unrecognized value names in the response.

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	String	false	1	1	Error types. A single ASCII [USASCII] error code. Please refer to the possible error values list of this response section.
error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information, used to assist the client developer in understanding the error that occurred.
error_uri	string	true	0	1	A URI identifying a human-readable web page with information about the error, used to provide the client developer with additional information about the error.

### List of possible error values

- **invalid\_request**

The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.

- **access\_denied**

The resource owner or authorization server denied the request.

- **unsupported\_response\_type**

The authorization server does not support obtaining an authorization code using this method.

- **server\_error**

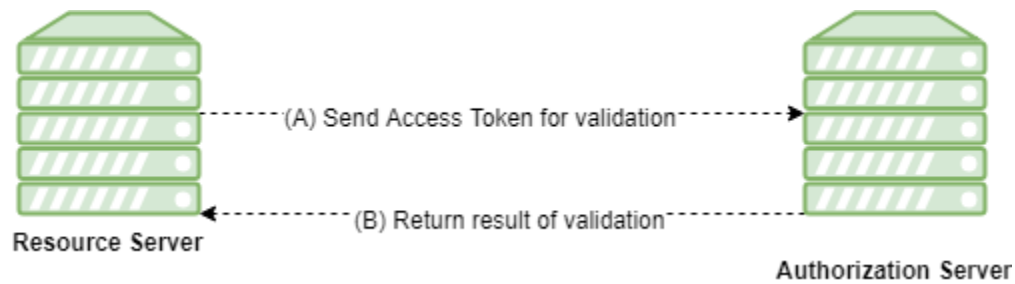
The authorization server encountered an unexpected condition that prevented it from fulfilling the request.

- **temporarily\_unavailable**

The authorization server is currently unable to handle the request due to a temporary overloading or server maintenance.

---

## ACCESS TOKEN VALIDATION FLOW



### Authentication Endpoint

<https://oauth2.razer.com>

### URI

/tokeninfo

### Accepted HTTP Method

GET

### Sample Request

GET /tokeninfo?access\_token=2YotnFZFEjr1zCsicMWpAA

### Request Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
access_token	string	false	1	1	The access_token to be verified

## RESPONSE

### Sample Response on Success

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "client_id": "com.developer.appl",
  "open_id": "rzzr_xxxxxxxxxxx",
  "scope": "fitness",
  "expires_in": 436
}
```

### Successful Response Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
uuid	String	false	1	1	The Razer uuid
client_id	string	false	1	1	The third party app's client_id registered with Razer.
scope	string	true	1	1	The scope granted to the third party app.
expires_in	signed Integer	false	1	1	The life-time of the access token (in seconds).

## Sample Response on Error

```
HTTP/1.1 401 Unauthorized
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "error": "invalid_token",
  "error_description": "The access token provided is invalid"
}
```

## Error Response Parameters

(The client MUST ignore unrecognized value names in the response.)

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	String	false	1	1	The error types. A single ASCII [USASCII] error code. Please refer to the possible error values list of this response section.
error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information used to assist the client developer in understanding the error that occurred.
error_uri	string	true	0	1	A URI identifying a human-readable web page with information about the error used to provide the client developer with additional information about the error.

## List of Possible Error Values

- **invalid\_token**

The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.

- **access\_denied**

The resource owner or authorization server denied the request.

- **unsupported\_response\_type**

The authorization server does not support obtaining an authorization code using this method.

- **server\_error**

The authorization server encountered an unexpected condition that prevented it from fulfilling the request.

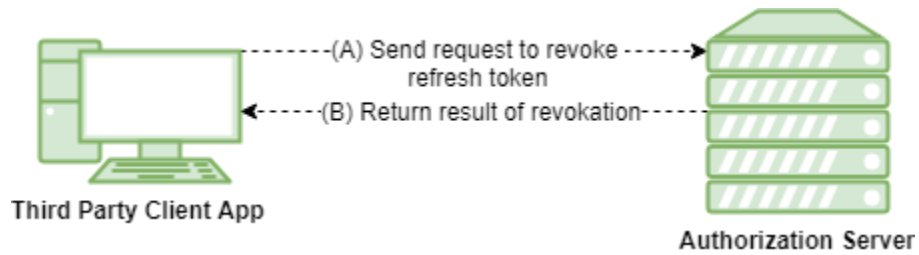
- **temporarily\_unavailable**

The authorization server is currently unable to handle the request due to a temporary overloading or server maintenance.



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## REFRESH TOKEN REVOCATION FLOW



### Authentication Endpoint

<https://oauth2.razer.com>

### URI

/revoke

### Accepted HTTP Method

GET

### Request

GET /revoke?refresh\_token=2YotnFZFEjr1zCsicMWpAA

### Request Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
refresh_token	String	false	1	1	The refresh_token to be revoked.

## RESPONSE

### Sample Response on Success

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

## Successful Response Parameters

There is no additional parameter in the response. The HTTP status code 200 indicates a successful revocation.

## Sample Response on Error

```
HTTP/1.1 400 OK
Content-Type: application/json;charset=UTF-8
Cache-Control: no-store
Pragma: no-cache
```

```
{
  "error": "temporarily_unavailable"
}
```

## Error Response Parameters

Elements	Types	Null Allowed	Min Occurs	Max Occurs	Definition
error	String	false	1	1	Error types. A single ASCII [USASCII] error code. Please refer to the possible error values list of this response section.
error_description	string	true	0	1	Human-readable ASCII [USASCII] text providing additional information, used to assist the client developer in understanding the error that occurred.
error_uri	string	true	0	1	A URI identifying a human-readable web page with information about the error, used to provide the client developer with additional information about the error.

## List of Possible Error Values

- **invalid\_token**

The request is missing a required parameter, includes an invalid parameter value, includes a parameter more than once, or is otherwise malformed.

- **server\_error**

The authorization server encountered an unexpected condition that prevented it from fulfilling the request.

- **temporarily\_unavailable**

The authorization server is currently unable to handle the request due to a temporary overloading or server maintenance.