

4.1.3. Access Token Request

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Content-Type: application/x-www-form-urlencoded HTTP/1.1 UTF-8

- grant_type
authorization_code
- code
- redirect_uri
https://example.com/callback
- client_id
3.2.1

3.2.1

TLS HTTP

```
POST /token HTTP/1.1
Host: server.example.com
Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
Content-Type: application/x-www-form-urlencoded
grant_type=authorization_code&code=Splxl0BeZQQYbYS6WxSbIA&redirect_uri=https%3A%2F%2Fclient%2Eexample.com%2Fcallback
```

- client_id
- redirect_uri
https://example.com/callback

4.1.3. Access Token Request

The client makes a request to the token endpoint by sending the following parameters using the "application/x-www-form-urlencoded" format per Appendix B with a character encoding of UTF-8 in the HTTP

request entity-body:

grant_type

REQUIRED. Value MUST be set to "authorization_code".

code

REQUIRED. The authorization code received from the authorization server.

redirect_uri

REQUIRED, if the "redirect_uri" parameter was included in the authorization request as described in Section 4.1.1, and their values MUST be identical.

client_id

REQUIRED, if the client is not authenticating with the authorization server as described in Section 3.2.1.

If the client type is confidential or the client was issued client credentials (or assigned other authentication requirements), the client MUST authenticate with the authorization server as described

in Section 3.2.1.

Hardt

Standards Track

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RFC 6749

OAuth 2.0

October 2012

For example, the client makes the following HTTP request using TLS (with extra line breaks for display purposes only):

POST /token HTTP/1.1

Host: server.example.com

Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW Content-Type: application/x-www-form-urlencoded

grant_type=authorization_code&code=SpLx10BeZQQYbYS6WxSbIA
&redirect_uri=https%3A%2F%2Fclient%2Eexample%2Ecom%2Fcb

The authorization server MUST:

o require client authentication for confidential clients or for any client that was issued client credentials (or with other authentication requirements),

- o authenticate the client if client authentication is included,
- o ensure that the authorization code was issued to the authenticated confidential client, or if the client is public, ensure that the code was issued to "client_id" in the request,
- o verify that the authorization code is valid, and
- o ensure that the "redirect_uri" parameter is present if the "redirect_uri" parameter was included in the initial authorization request as described in Section 4.1.1, and if included ensure that their values are identical.

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