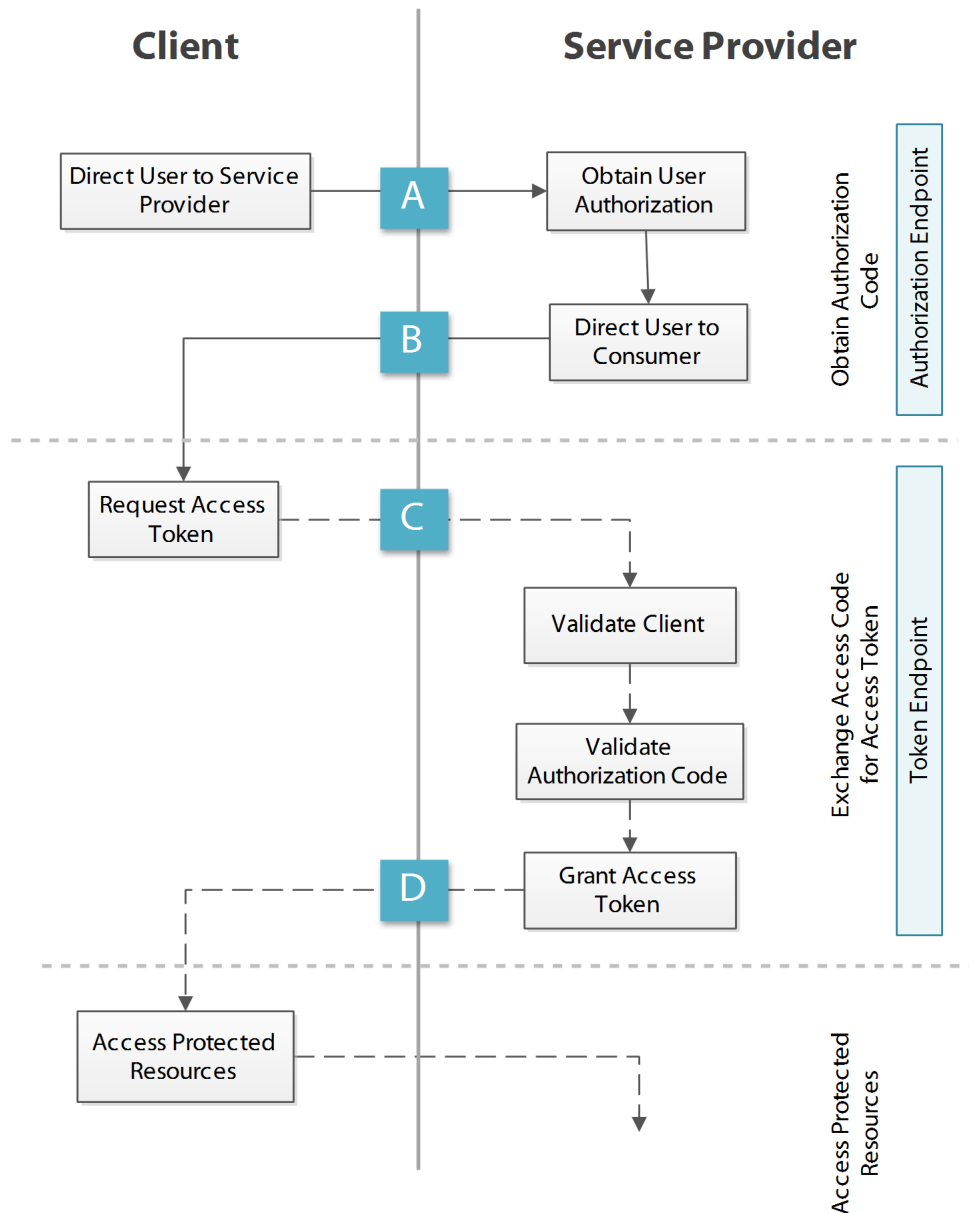


OAuth 2 Authorization

Access Code Flow



A Consumer sends Authorization Request

Request includes
 response_type: token
 client_id
 redirect_uri (optional; may be pre-configured with service provider)
 scope (optional)
 state (recommended)

B Service Provider grants Authorization

Redirection URI (302 Found) includes
 code
 state (required IFF state was sent in the request; must be equal to what was received)

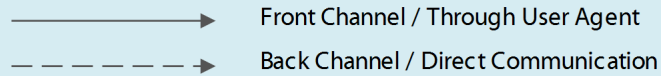
C Consumer requests Access Token

Request includes
 grant_type:
 authorization_code
 code
 redirect_uri (optional; may be pre-configured with service provider. Must match value sent in step A if provided)

D Service Provider grants Access Token

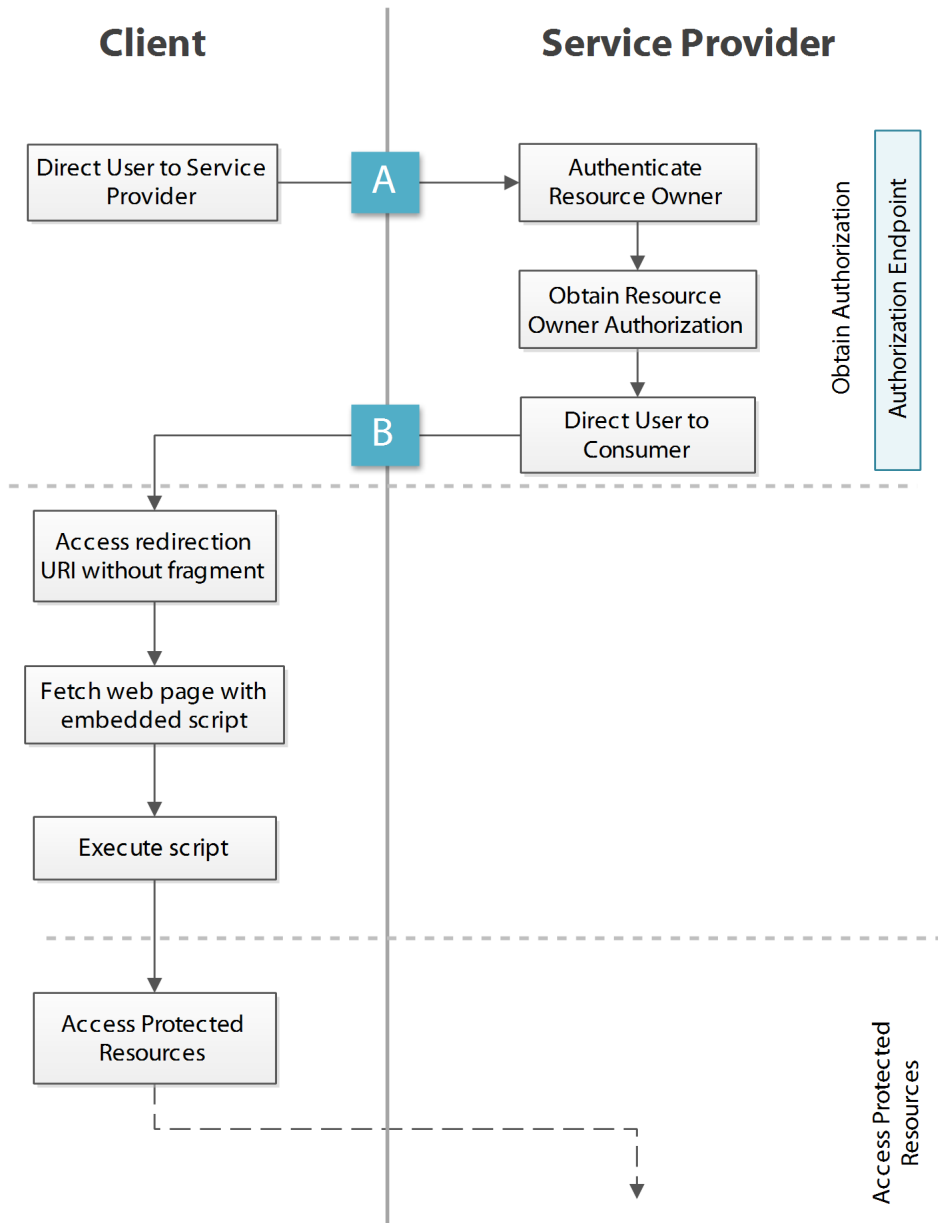
Response (200 OK) includes
 access_token
 token_type
 expires_in (optional)
 refresh_token (optional)
 scope (optional; SHOULD be included if the scope granted differs from the scope requested)

If the client is confidential, it must authenticate with the Authorization Server in this request.



OAuth 2 Authorization

Implicit Grant Flow



A

**Consumer sends
Authorization Request**

Request includes

response_type: code
 client_id
 redirect_uri (optional; may be pre-configured with service provider)
 scope (optional)
 state (recommended)

B

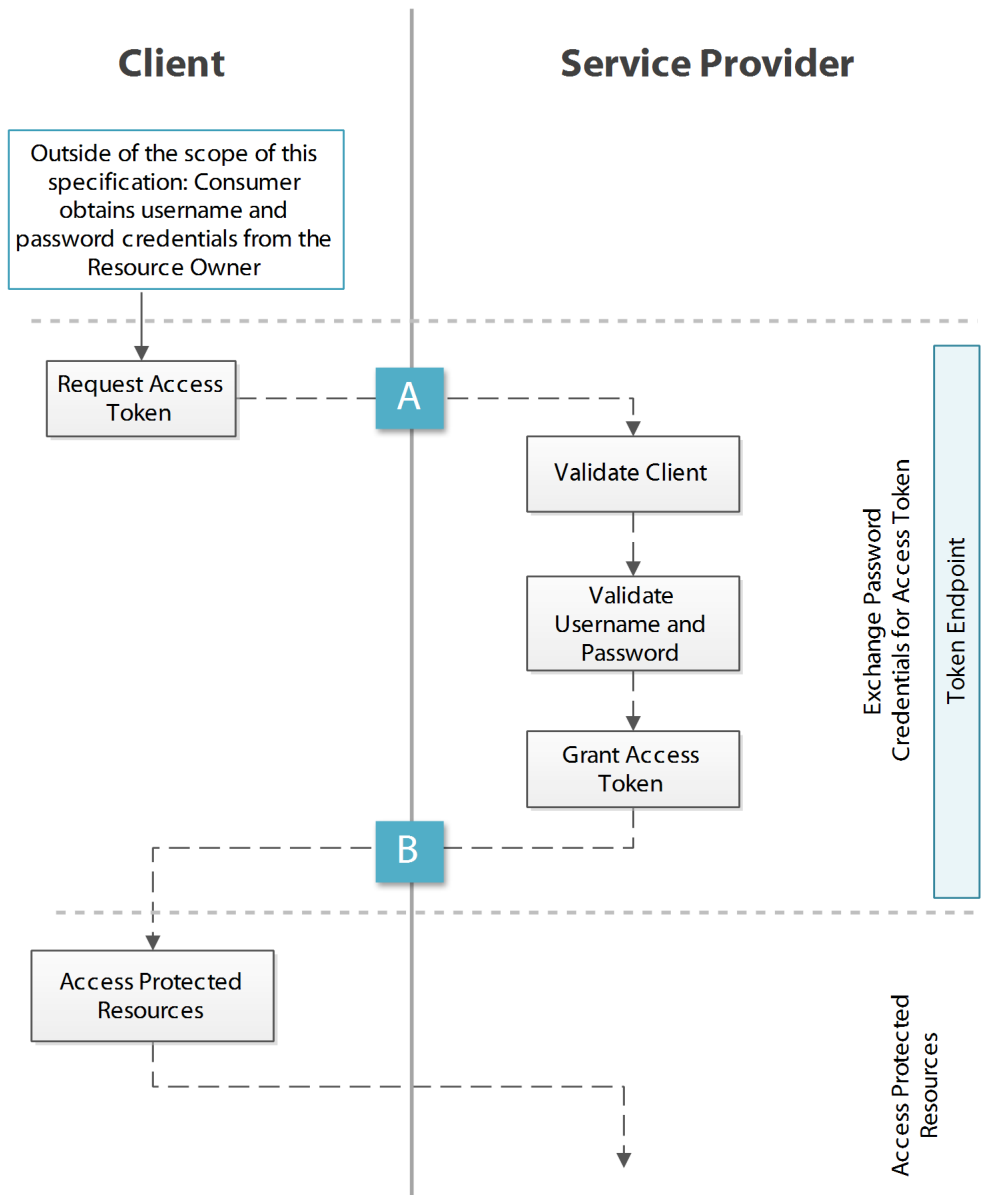
**Service Provider
grants Authorization**

**Redirection URI (302 Found) includes
(url-encoded in fragment)**

access_token
 token_type
 expires_in (optional)
 scope (optional)
 state (required IFF state was sent in the request; must be equal to what was received)

OAuth 2 Authorization

Resource Owner Password Credentials Flow



A

**Consumer requests
Access Token**

Request includes

grant_type: password
username
password
scope (optional)

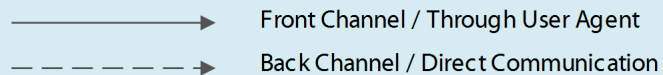
**If the client is confidential,
it must authenticate with
the Authorization Server in
this request.**

B

**Service Provider
grants Access Token**

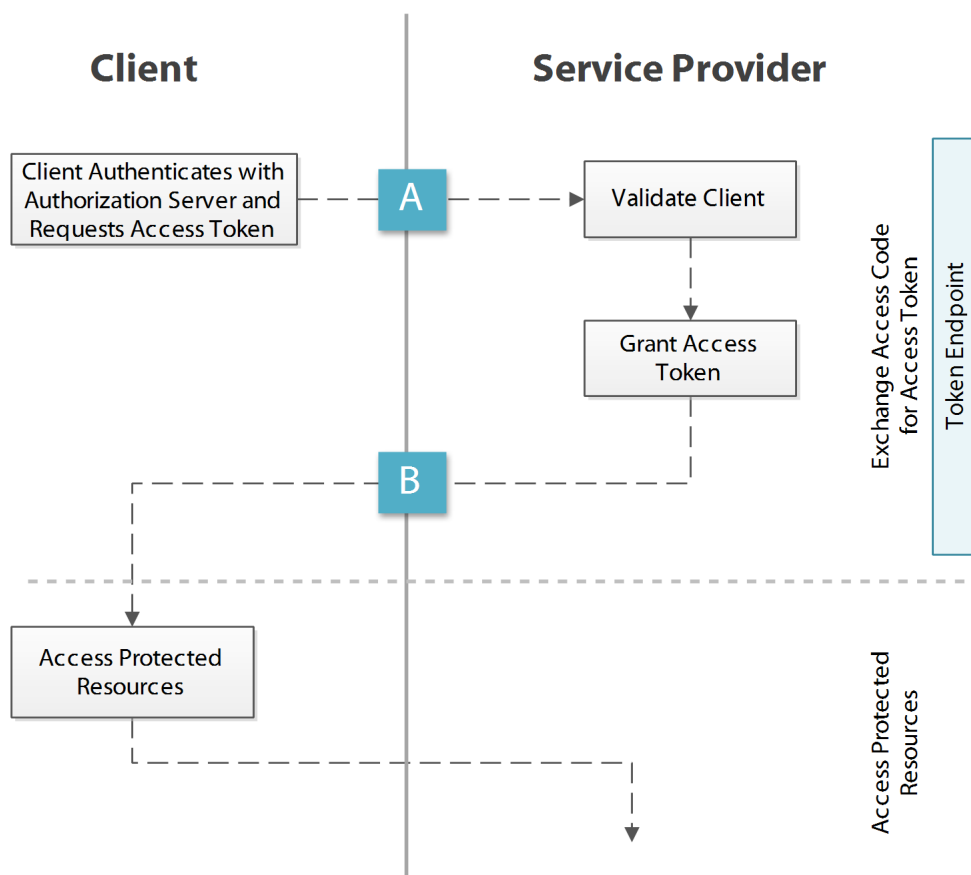
Response (200 OK) includes

access_token
token_type
expires_in (optional)
refresh_token (optional)
scope (optional; SHOULD be included if the
scope granted differs from the scope requested)



OAuth 2 Authorization

Client Credentials Flow



A

**Consumer requests
Access Token**

Request includes

`grant_type: client_credentials`
`scope (optional)`

**Client must authenticate
with the Authorization
Server in this request.**

B

**Service Provider
grants Access Token**

Response (200 OK) includes

`access_token`
`token_type`
`expires_in (optional)`
`scope (optional; SHOULD be included if the
scope granted differs from the scope requested)`

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