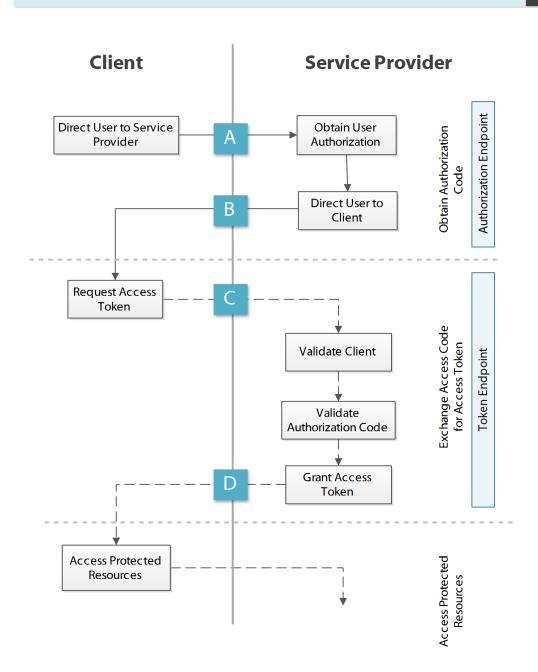
OAuth 2 Authorization

Access Code Flow





Client sends Authorization Request

Request includes response_type: token

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



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)



Client 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)

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



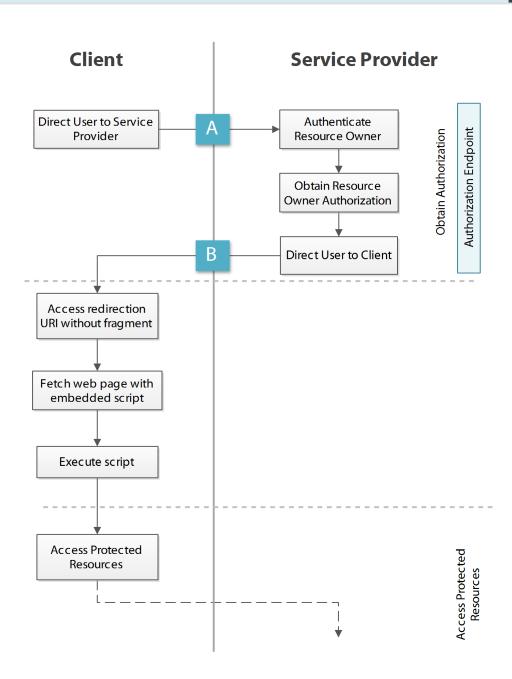
Service Provider grants Access Token

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

Implicit Grant Flow





Client sends Authorization Request

Request includes

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



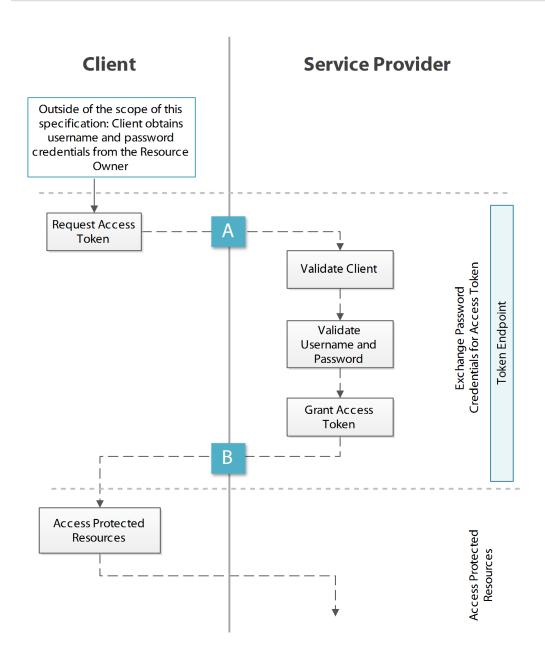
Service Provider grants Authorization

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





Client requests

Access Token

Request includes

grant_type: password
username
password
scope (optional)

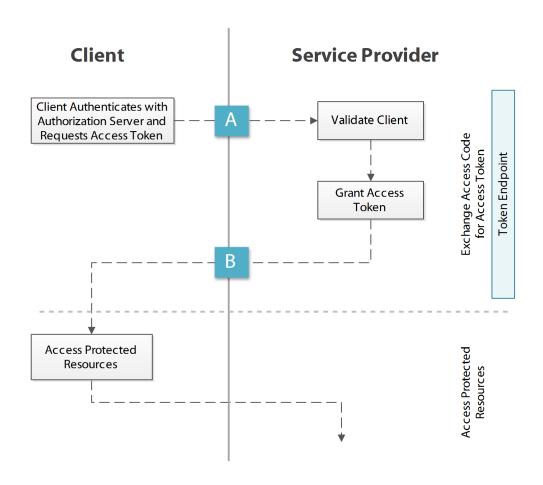
If the client is confidential, it must authenticate with the Authorization Server in this request.



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)





Client requests

Access Token

Request includes

grant_type: client_credentials
scope (optional)

Client must authenticate with the Authorization Server in this request.



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) ©2012-The MITRE Corporation. All rights reserved.

Approved for Public Release: 11-5233. Distribution Unlimited.

Created by: Amanda Anganes