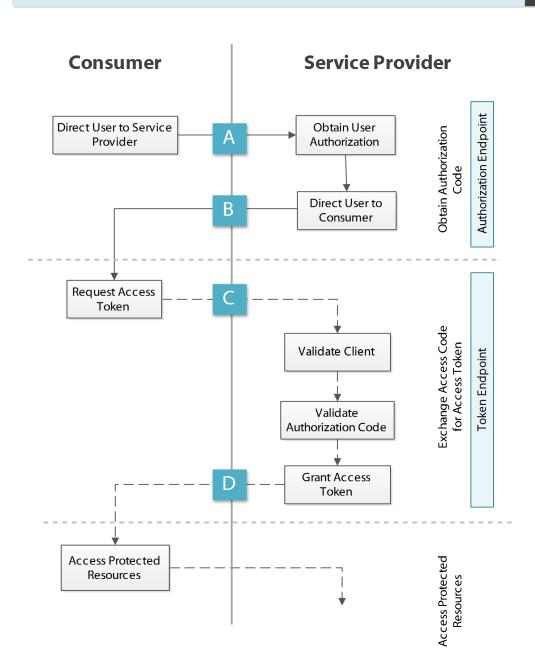
**Access Code Flow** 





### 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)



## 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)



### 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)

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

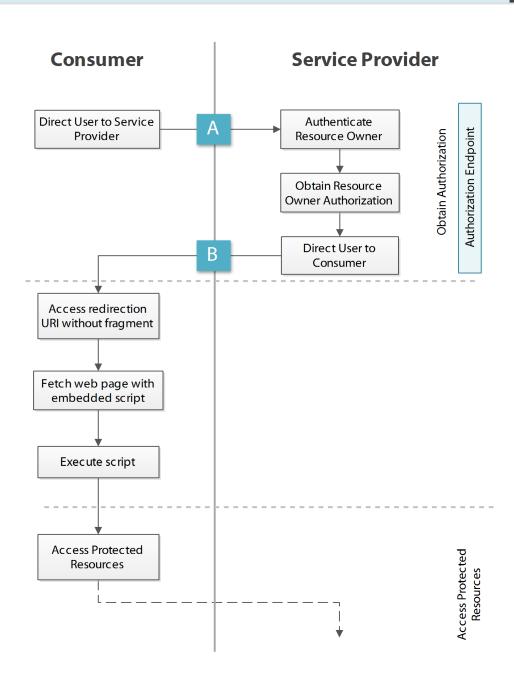


## Service Provider grants Access Token

#### 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)

**Implicit Grant Flow** 





### Consumer sends Authorization Request

#### **Request includes**

response\_type: code client\_id redirect\_uri (optional; may be preconfigured with service provider) scope (optional) state (recommended)

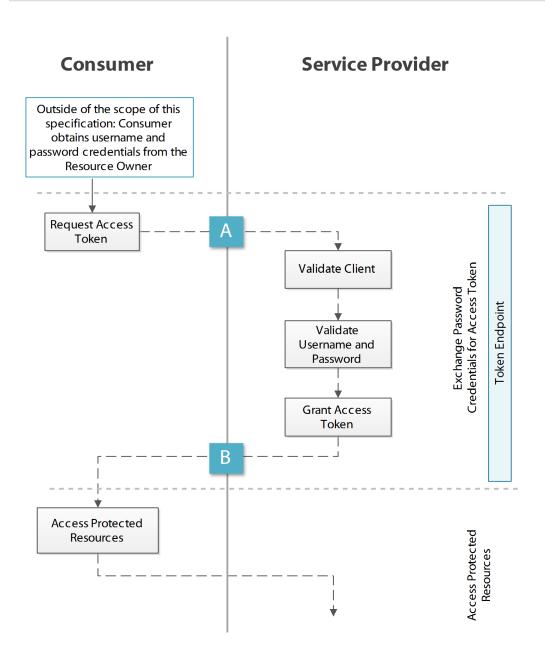


## Service Provider grants Authorization

### 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)

**Resource Owner Password Credentials Flow** 





#### 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.

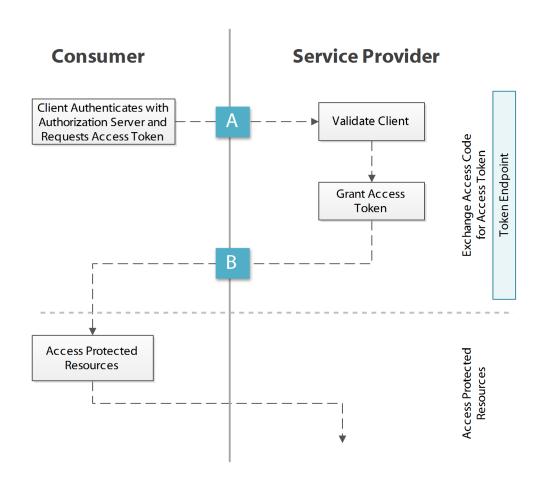


Service Provider grants Access Token

#### 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 Credentials Flow** 





#### **Consumer 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) refresh\_token (optional) scope (optional; SHOULD be included if the scope granted differs from the scope requested) ©2012-The MITRE Corporation. All rights reserved.

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