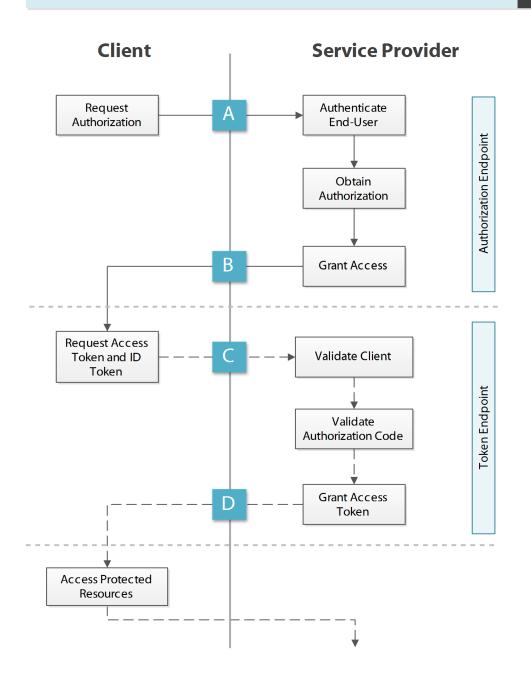
# **OpenID Connect**

**Authorization Code Flow** 





#### **Request includes**

response\_type: code
scope: openid (MAY include
additional scopes)
client\_id
redirect\_uri
state (optional, recommended)
nonce
display (optional)
prompt (optional)
request (optional)
request\_uri (optional)



Service Provider
Grants Authorization

### Response includes

code

state (required IFF state was sent in the request; must be equal to what was received)



#### **Request includes**

grant\_type: authorization\_code code redirect\_uri

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



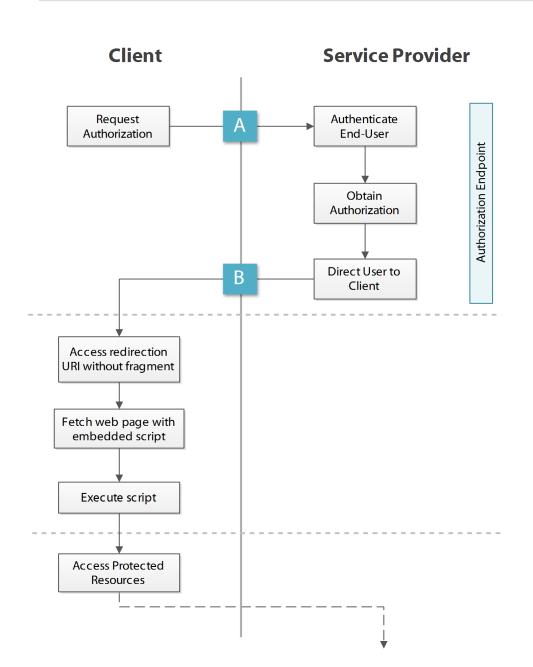
Service Provider Grants Access Token and ID Token

### Response includes

access\_token id\_token token\_type: Bearer expires\_in (optional) refresh\_token (optional) scope (optional; SHOULD be included if the scope granted differs from the scope requested)

## **OpenID Connect**

### **Implicit Flow**





#### Request includes

response\_type: id\_token token scope: openid (MAY include additional scopes)

client\_id

redirect\_uri (required IFF the client has pre-configured more than one value with the service provider) state (optional, recommended)

nonce

display (optional)

prompt (optional)

request (optional)

request\_uri (optional)

B Service Provider Grants Authorization

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

access\_token id\_token

token\_type: Bearer

expires\_in (optional)

refresh\_token (optional)

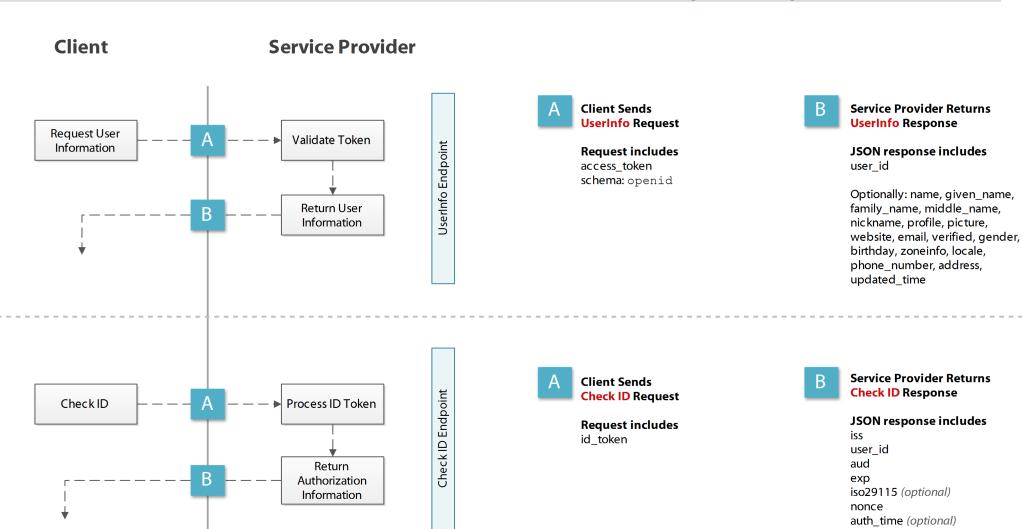
**scope** (optional; SHOULD be included if the scope granted differs from the scope requested)

state (required IFF state was sent in the request; must be

equal to what was received)

### **OpenID Connect**

**Optional Steps** 



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