OAuth Authentication Flow

Consumer

Provider

Request *Request Token*

Grant *Request Token*

A

Direct User to Service Provider

B

Obtain Unauthorized Request Token

Obtain User Authorization

C

Direct User to Consumer

User Authorizes Request Token

Request *Access Token*

D

Grant *Access Token*

E

Access API

F

Exchange Request Token for Access Token

G

Web Browser or Manual Entry
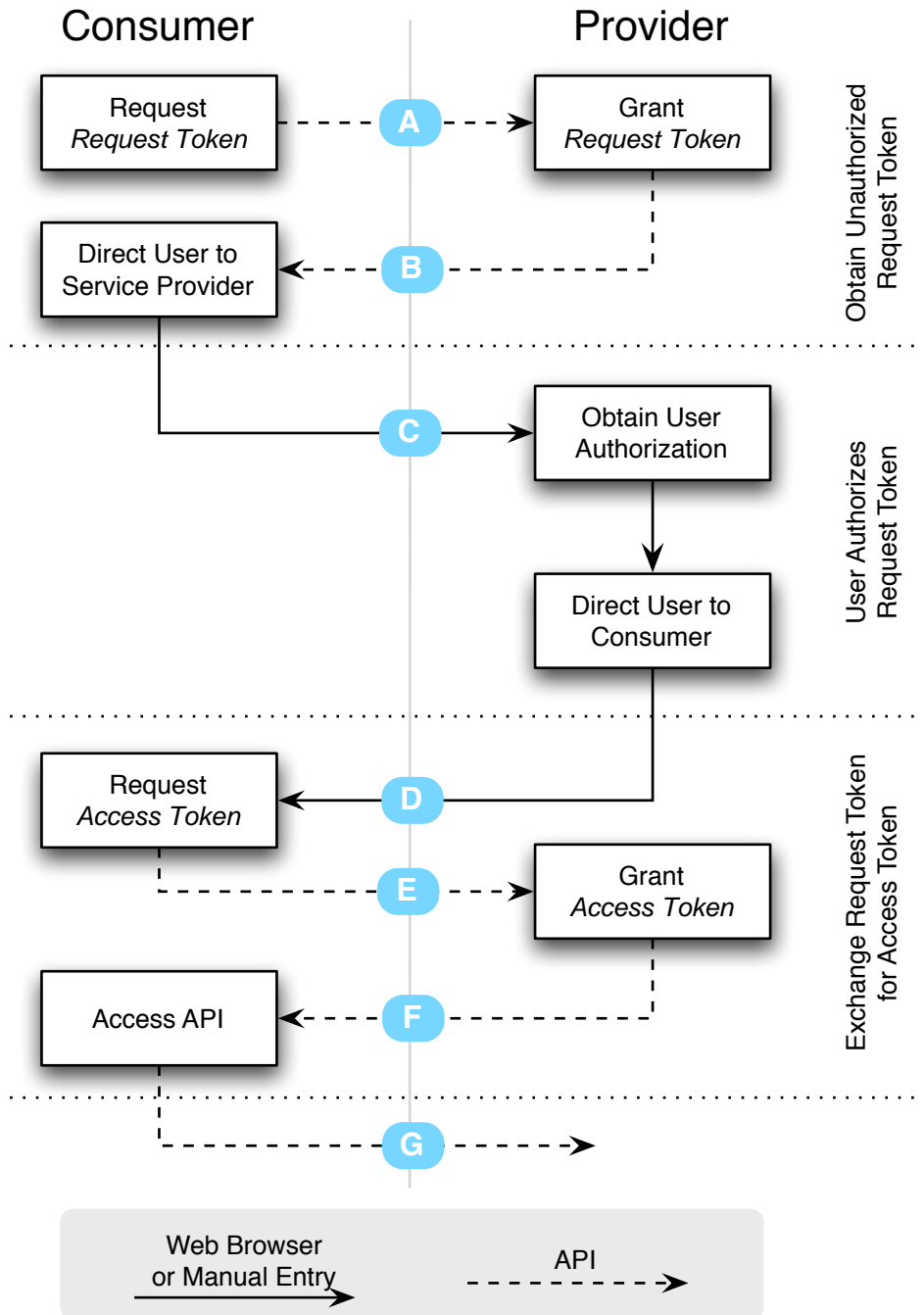
API

A **Consumer Requests** *Request Token*

Request includes oauth_consumer_key, oauth_signature_method, oauth_signature, oauth_timestamp, oauth_nonce, oauth_callback (optional), oauth_version (optional).

B **Provider Grants** *Request Token*

Response includes oauth_token, oauth_token_secret

C **Consumer Directs User to Service Provider**

Request includes oauth_token (optional).

D **Service Provider Directs User to Consumer**

Request includes oauth_token (optional).

E **Consumer Requests** *Access Token*

Request includes oauth_consumer_key, oauth_token, oauth_signature_method, oauth_signature, oauth_timestamp, oauth_nonce.

F **Provider Grants** *Access Token*

Response includes oauth_token, oath_token_secret

G **Consumer Accesses API**

Request includes oauth_consumer_key, oauth_token, oauth_signature_method, oauth_signature, oauth_timestamp, oauth_nonce.