OAuth2.0

==========

+--------+ +---------------+

| |--(A)------- Authorization Grant --------->| |

| | | |

| |<-(B)----------- Access Token -------------| |

| | & Refresh Token | |

| | | |

| | +----------+ | |

| |--(C)---- Access Token ---->| | | |

| | | | | |

| |<-(D)- Protected Resource --| Resource | | Authorization |

| Client | | Server | | Server |

| |--(E)---- Access Token ---->| | | |

| | | | | |

| |<-(F)- Invalid Token Error -| | | |

| | +----------+ | |

| | | |

| |--(G)----------- Refresh Token ----------->| |

| | | |

| |<-(H)----------- Access Token -------------|

+--------+ & Optional Refresh Token +---------------+

+----------+

| Resource |

| Owner |

| |

+----------+

^

|

(B)

+----|-----+ Client Identifier +---------------+

| -+----(A)-- & Redirection URI ---->| |

| User- | | Authorization |

| Agent -+----(B)-- User authenticates --->| Server |

| | | |

| -+----(C)-- Authorization Code ---<| |

+-|----|---+ +---------------+

| | ^ v

(A) (C) | |

| | | |

^ v | |

+---------+ | |

| |>---(D)-- Authorization Code ---------' |

| Client | & Redirection URI |

| | |

| |<---(E)----- Access Token -------------------'

+---------+ (w/ Optional Refresh Token)

+----------+

| Resource |

| Owner |

| |

+----------+

^

|

(B)

+----|-----+ Client Identifier +---------------+

| -+----(A)-- & Redirection URI --->| |

| User- | | Authorization |

| Agent -|----(B)-- User authenticates -->| Server |

| | | |

| |<---(C)--- Redirection URI ----<| |

| | with Access Token +---------------+

| | in Fragment

| | +---------------+

| |----(D)--- Redirection URI ---->| Web-Hosted |

| | without Fragment | Client |

| | | Resource |

| (F) |<---(E)------- Script ---------<| |

| | +---------------+

+-|--------+

| |

(A) (G) Access Token

| |

^ v

+---------+

| |

| Client |

| |

+---------+