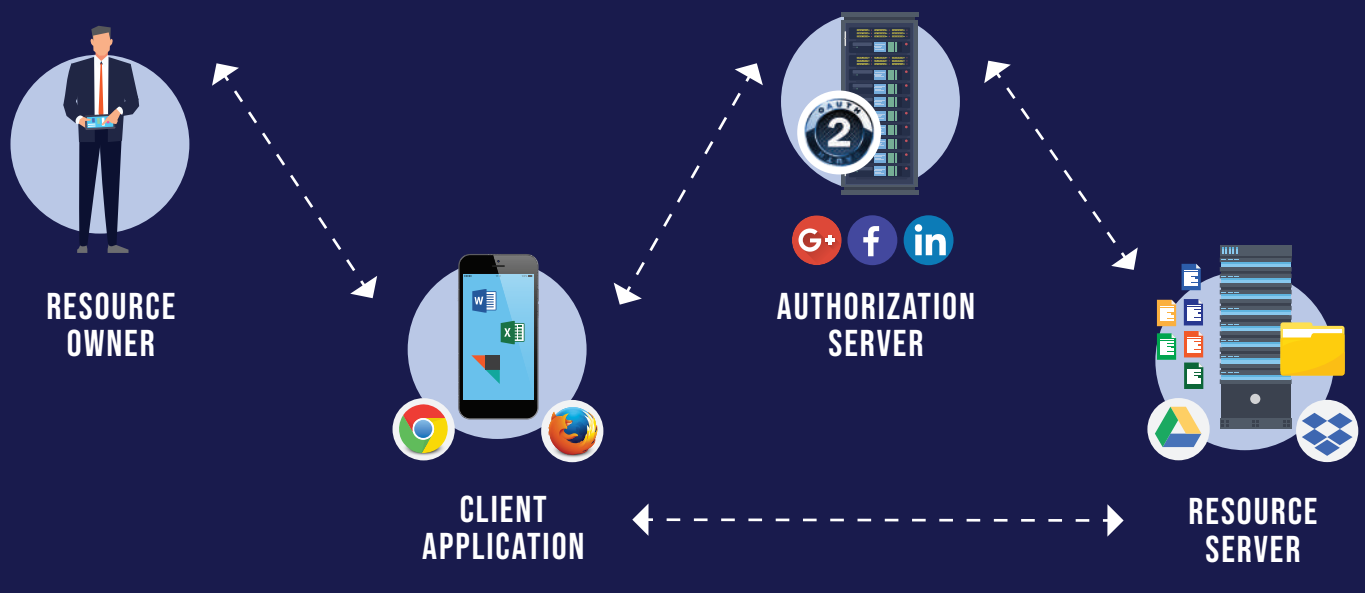
KELLTON TECH

# WHICH OAUTH GRANT TYPE SHOULD YOU CHOOSE?

OAuth grant types are different ways to get an Access Token

## OAuth Roles




## Things to Determine Before Choosing a Grant Type

Type of Business Application

Trust Factor of the Applications

Required Level of Customer Experiences

| SECURITY PATTERNS | DEFINITION | CREDENTIALS | AUTHORIZATION CODE | EXTERNAL IDENTITY PROVIDER |
|---|---|---|---|---|
| **OAuth 2.0** (authorization code grant type) | This pattern uses the authorization code 302 between the client and the authorization server. | ✗ | ✓ | ✗ |
| **OAuth 2.0** (implicit grant type) | The client itself generates the access token 302 directly between the client and the authorization server. | ✗ | ✓ | ✗ |
| **OAuth 2.0** (password grant type) | It uses credentials from a third-party system or some identity provider to generate the access token. | ✗ | ✗ | ✓ |
| **OAuth 2.0** (client credentials grant type) | The client uses its own credentials instead of acquiring them from an external ID provider to generate the access token. | ✗ | ✗ | ✓ |
| **OAuth 2.0** (chained grant type) | An access token is released by one API and sent to another API in the chain. | ✗ | ✓ | ✗ |
| **OAuth 2.0** (decoupling end-user authentication from the authorization server) | OAuth authorization server generates the access token, which can be presented by the client to the API Gateway to access the API resource. | ✗ | ✓ | ✓ |
| **OAuth 2.0** (SAML grant type) | The client procures an access token (SAML) from the OAuth Authorization Server and uses it to gain access to the API Resource through the API Gateway. | ✗ | ✓ | ✓ |
| **OAuth 2.0** (JWT grant type) | The client procures an access token (JWT) from the OAuth Authorization Server and uses it to gain access to the API Resource through the API Gateway. | ✗ | ✓ | ✓ |
| **OAuth 2.0** (External Client) | The client generates the JWT access token itself and sends it to the API gateway to access the API resource. | ✓ | ✓ | ✓ |