

OAuth 2.0

Agenda :

1. What is OAuth
2. Roles
3. How does it works ?
4. EndPoints
5. Terminologies
6. Benefits of OAuth ?

| What is OAuth?

- ❖ OAuth is an open authentication and authorization standard that helps us to provide authorization into a third party application without providing it your credentials.
- ❖ It's a token based authentication
- ❖ Version 2.0



| OAuth Roles

❖ **Resource Server** : Protected API/Service



❖ **Authorization Server** : Authorizes the app

❖ **Resource Owner** : User

❖ **Client** : Third Party Application

Login Using Facebook



Abstract Protocol Flow



OAuth Endpoints

❖ **Authorization Endpoint** : <https://myauthserver.com/authorize>

❖ **Token Endpoint** : <https://myauthserver.com/connect/token>

❖ **Token Revocation**: <https://myauthserver.com/connect/revocation>

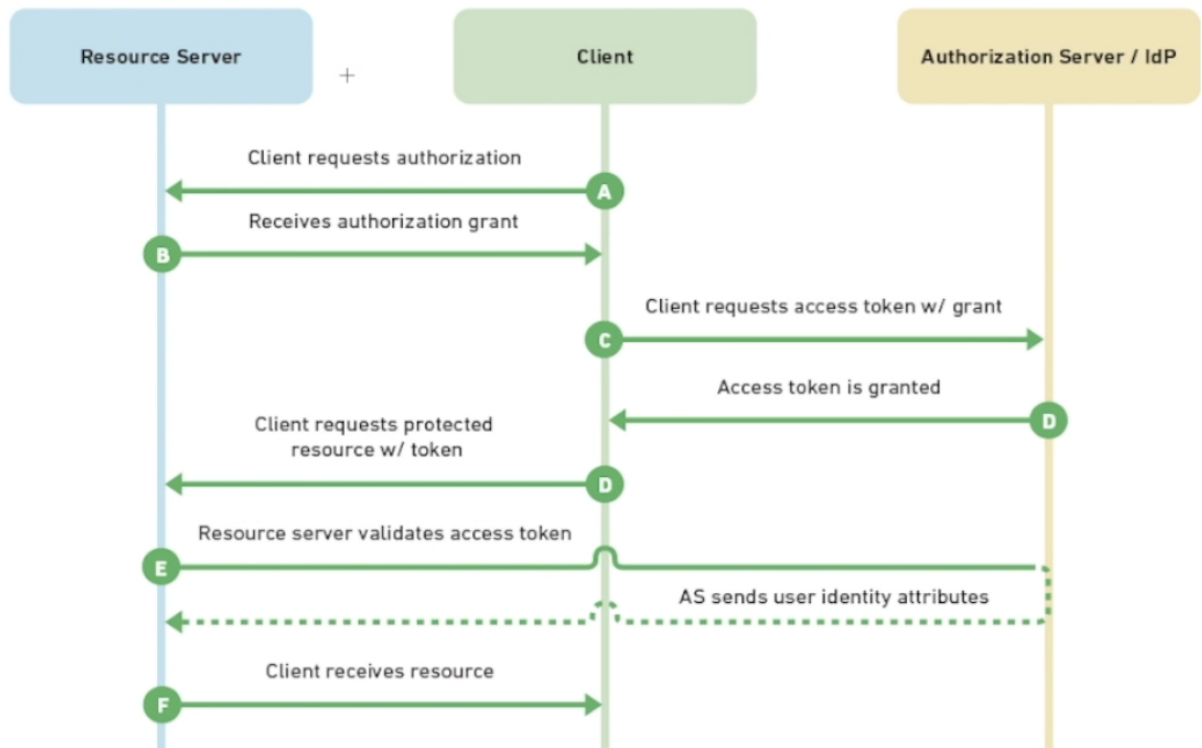
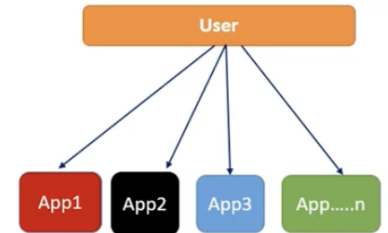
❖ **Token Validation**: <https://myauthserver.com/connect/accessTokenValidation>

OAuth2 Terminologies

- ❖ Client_Id
- ❖ Client_Secret
- ❖ Grant_Type
- ❖ RedirectUri
- ❖ Username
- ❖ Password
- ❖ Scope
- ❖ State
- ❖ Access_Token
- ❖ Token_type
- ❖ Expires_in
- ❖ Refresh Token

Benefits of OAuth?

- ❖ Federated identity and delegated authorization
- ❖ Secure Delegated Access to Web APIs
- ❖ Single Sign On across sites.
- ❖ No need to manage multiple credentials.
- ❖ Enterprise applications monitoring



JWT WorkFlow

