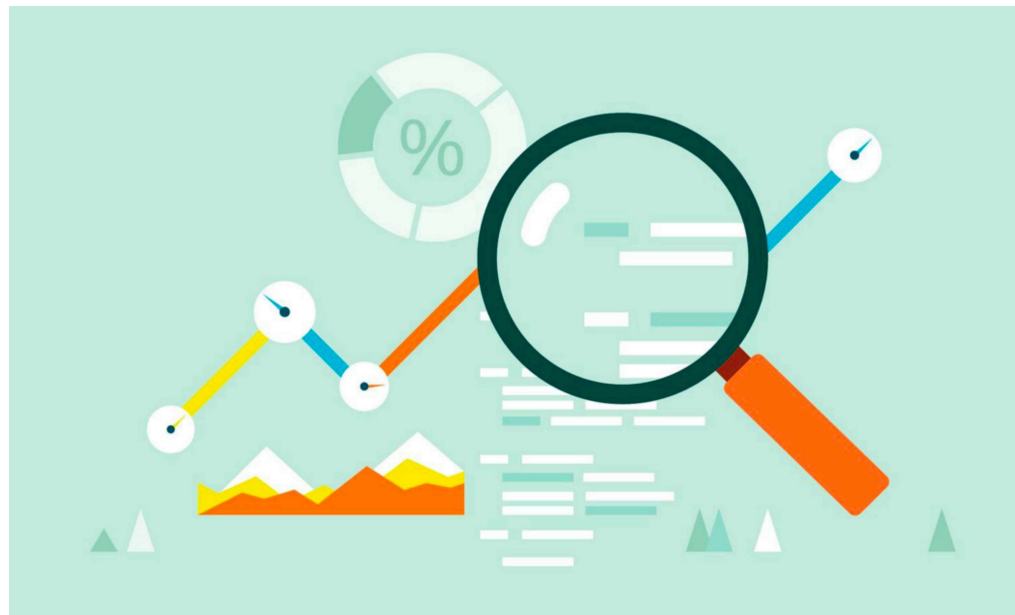


# Data Science





# Basic Authentication



# HTTP Basic Authentication



# Create Github repository



Reddit

# Reddit

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- Timeline
- Search bar
- Subreddit
- Upvote/Downvote
- Abbreviations

# oAuth



## Authorization

Start car, lock doors, deny trunk



Image Source - <https://image.slidesharecdn.com/idpsamloauthboston2014-140904091143-phpapp02/95/idp-saml-oauth-10-638.jpg?cb=1409822128>




# oAuth



# oAuth

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- oAuth is a token based authentication and authorization system.
  - It allows access to an end user's account and private information to be used by third-party services without exposing the user's password.
  - It acts as an intermediary on behalf of the end user.
- 
- A solid orange horizontal bar at the bottom of the slide.

# oAuth - Example

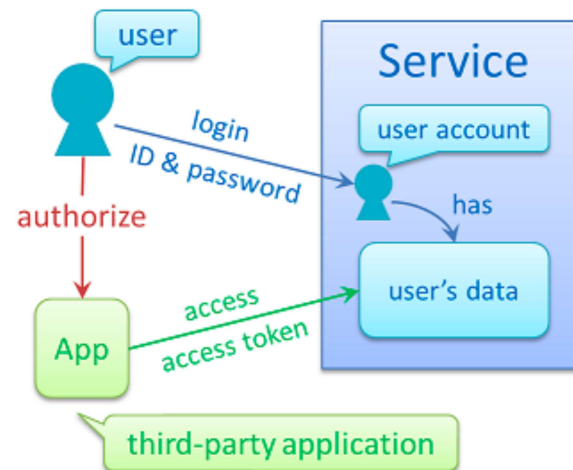


Image Source - <https://i.stack.imgur.com/zl0Gp.png>



# oAuth Roles

# oAuth Roles

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- Resource owner
- Client
- Resource server
- Authorization server



# oAuth Process

# oAuth Process

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- Step 1 : Application registration
  - Provide details like
    - Application Name
    - Application website
    - Redirect URI
  - It will return client credentials including
    - Client identifier (Public)
    - Client secret (Private)
- Step 2 : Authorization Grant or get access token