

Login & Access Control in Angular

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Outline

Motivation

OAuth 2 and OpenId Connect

• Demo & Labs

• Refresh Token

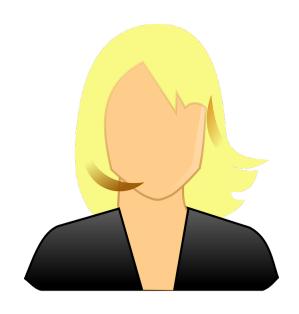




Motivation



Access to App and Backend













Requirements for Modern Apps

Service delegates to other services

Cross Origin Requests

Using existing Identity
Solutions

Loosely
Coupling to
Identity Solution

Single Sign on/ out Protect from XSRF







Roles

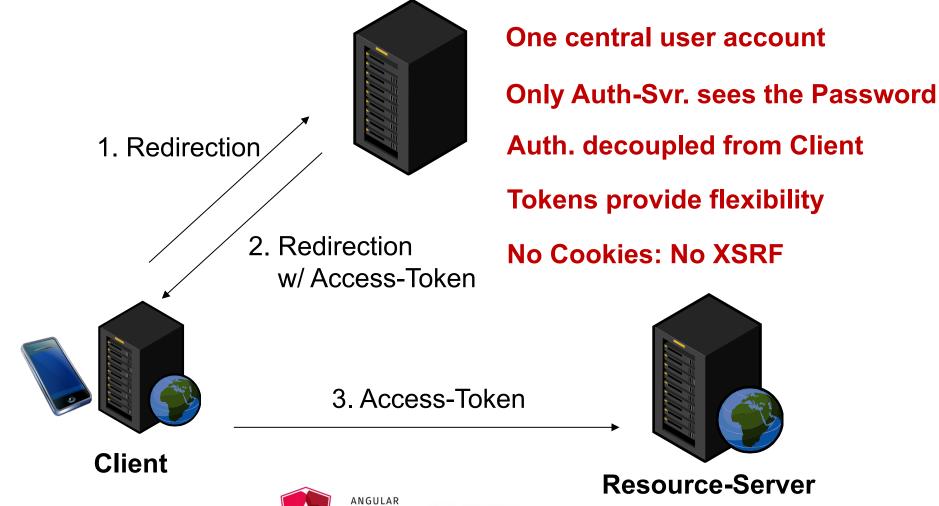








Flow





OAuth 2 and OpenId Connect

OAuth 2 and OpenId Connect

- Developed by Twitter and Ma.gnolia
- Protocol to delegate restricted rights
- Used by Companies like Google, Facebook, Flickr, Microsoft, Salesforce.com or Yahoo!
- Several Flows for different use cases
- Leverages HTTPS!



DEMO



Lab





Why Token Refresh?

Short living Tokens increase Security

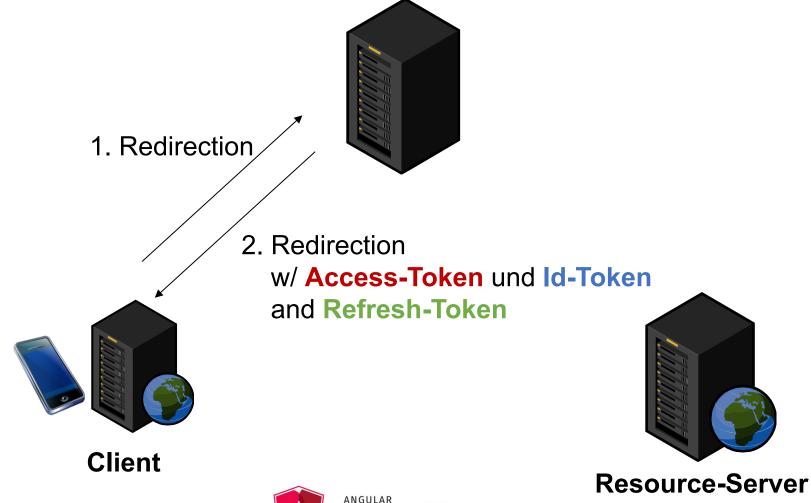
Users don't want to login over and over again

Refresh-Token and Browsers

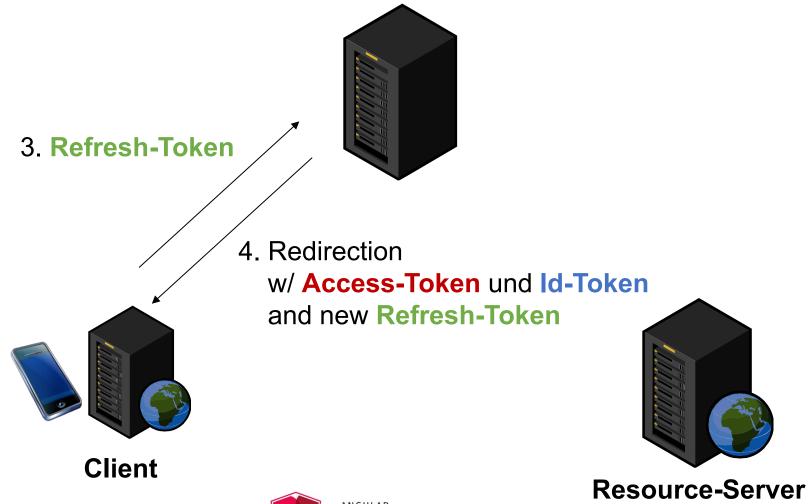
- OAuth 2.0 Security Best Current Practice allows it under specific circumstances
- Security Audit (XSS!)
- Refresh Token needs to be one-time token
- After Refresh: Client gets new refresh token
- If used by several users: log out both
- Bind Refresh Token to session (invalidate it during logout)



Refresh Token (1)



Refresh Token (2)



That's it for basic authentication!

• Questions so far?

