

 ManfredSteyer

# Login & Access Control in Angular

Manfred Steyer  
**SOFTWARE**architekt.at

## Contents

- Motivation
- OAuth 2
- Single Sign on and OpenId Connect
- Social Login
- DEMO
- Single Sign out

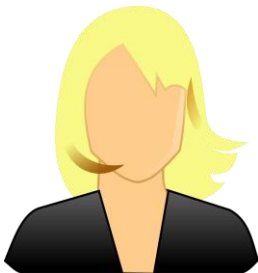
**SOFTWARE**architekt.at



# Motivation

SOFTWAREarchitekt.at

## Access to App and Backend



SOFTWAREarchitekt.at

## 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

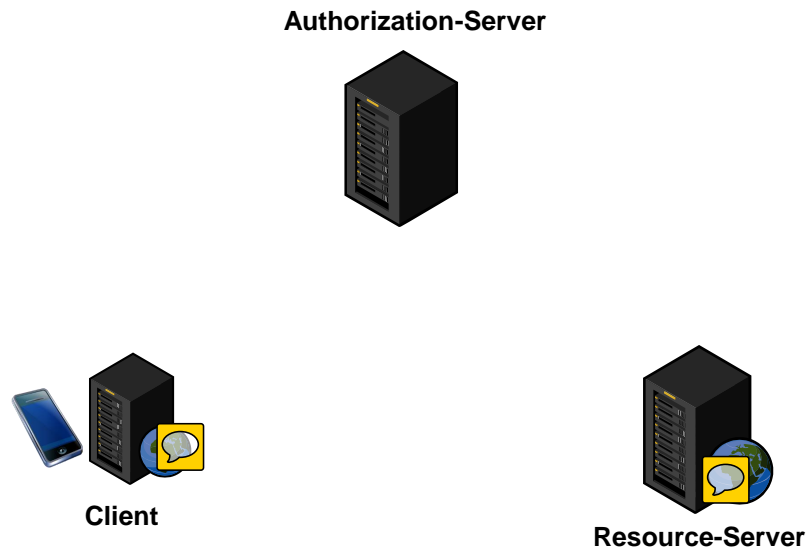
Protect from  
XSRF

**SOFTWARE**architekt.at



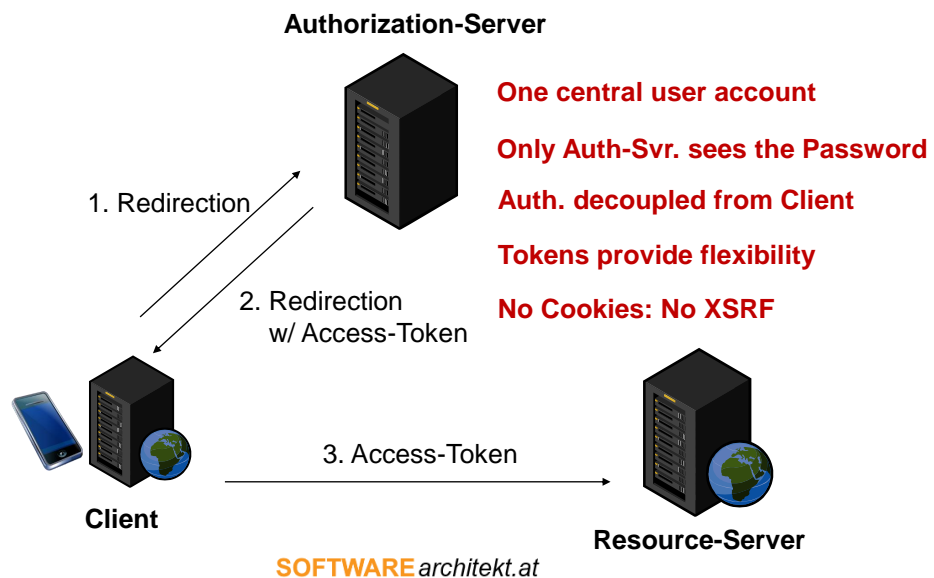
**SOFTWARE**architekt.at

# Roles



Folie• 10

# Flow



Folie• 11

Authorization Server === just some endpoints ;-)

SOFTWAREarchitekt.at

## Roles

Authorization-Server



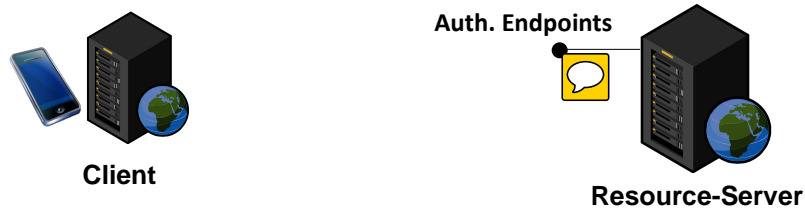
Client



Resource-Server

SOFTWAREarchitekt.at

## Roles (simplified Scenario)



Folie 14

SOFTWAREarchitekt.at

## Lots of Auth Server out there ...

**On Premise**

Active Directory  
Federation  
Services

Identity Server  
(.NET)

Readhad  
Keycloak  
(Java)

Okta

Auth0

Firebase

Azure Active  
Directory

...

**Identity as a Service**

SOFTWAREarchitekt.at



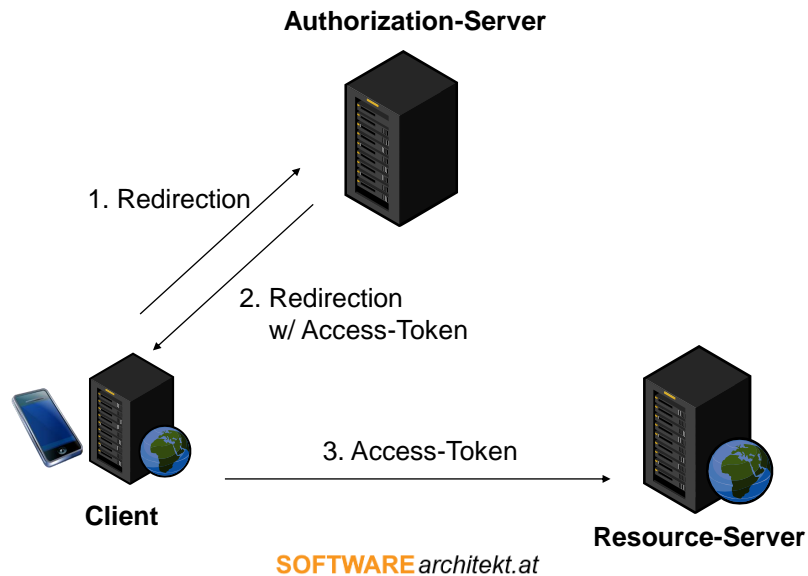
## OAuth 2

### What is OAuth 2?



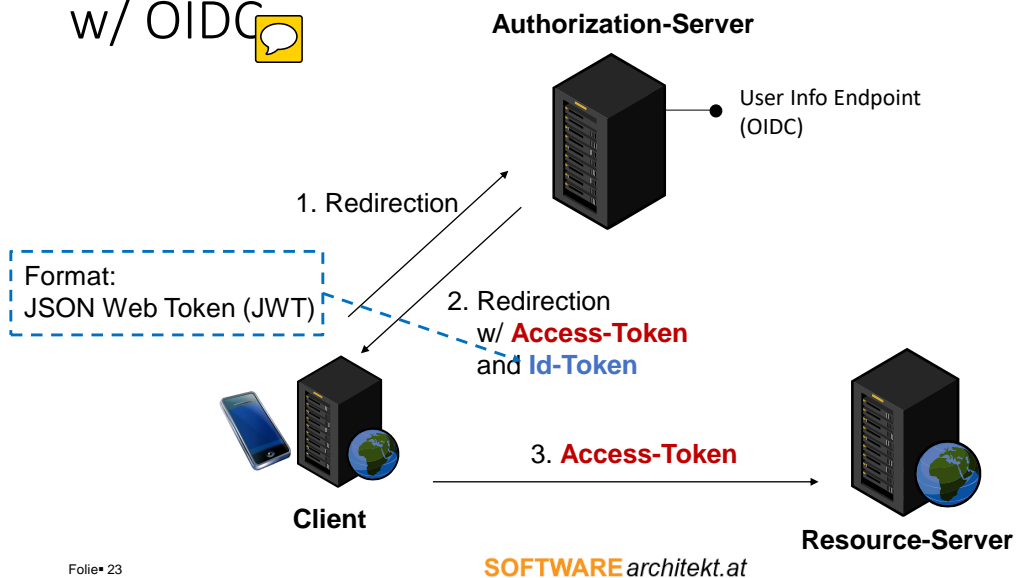
- Developed by Twitter and Ma.gnolia
- Protocol to delegate restricted rights
- Used by Companies like Google, Facebook, Flickr, Microsoft, Salesforce.com or Yahoo!
- Several Flows for different use cases
- Leverages HTTPS!

# Implicit Flow for SPA



Folie• 18

# Implicit Flow w/ OIDC



Folie• 23



## Fazit

Token:  
Flexibility,  
Cross Origin ...

OAuth 2:  
Access to  
Service

OpenId  
Connect:  
SSO at Client

Implicit Flow

**SOFTWARE**architekt.at

## Contact und Downloads

[mail] manfred.steyer@**SOFTWARE**architekt.at

[blog] **SOFTWARE**architekt.at

[twitter] ManfredSteyer



**SOFTWARE**architekt.at