



Using OAuth 2 With Spring Security

A Masterclass



1.



SLI.DO #32413





- cross-site request forgery
- session fixation
- injection
- broken authentication
- broken authorization
- unsecured data storage
- unsecured data transition

SLI.DO #32413





Using OAuth 2 With Spring Security

A Masterclass

3.



SLI.DO #32413



OAuth 2

What OAuth 2 is

- A specification
- A framework

What OAuth 2 isn't

- An implementation

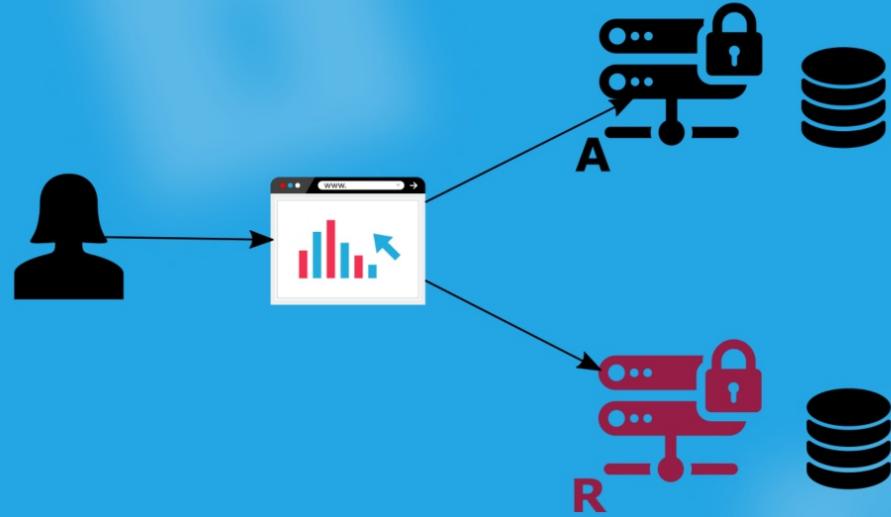
The Actors

Flows

Tokens

SLI.DO #32413

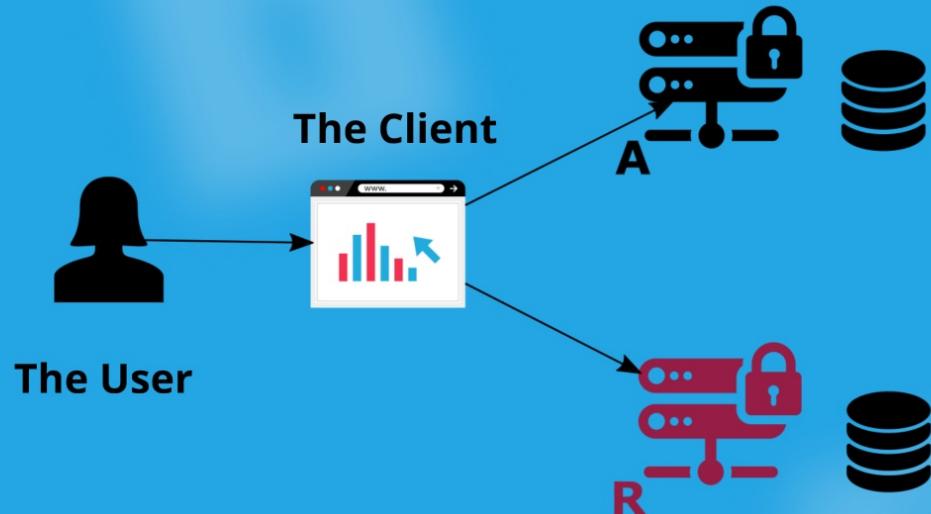




SLI.DO #32413

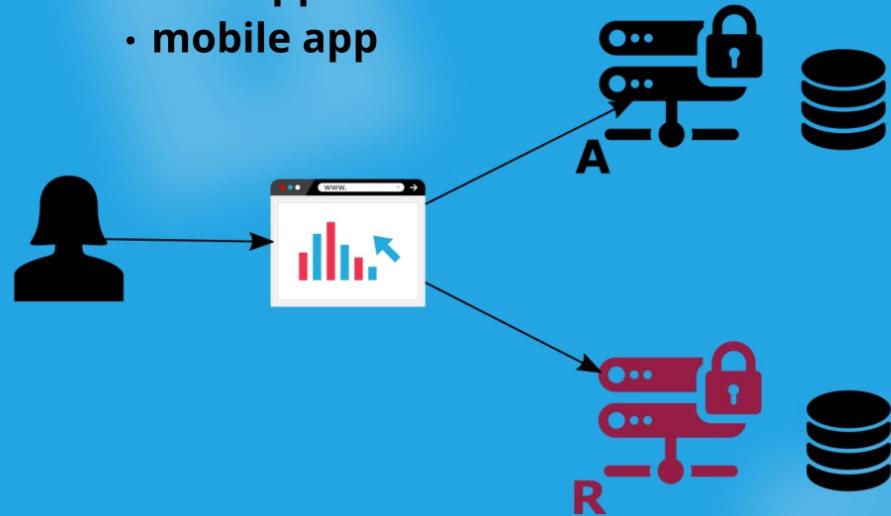


SLI.DO #32413



The Client

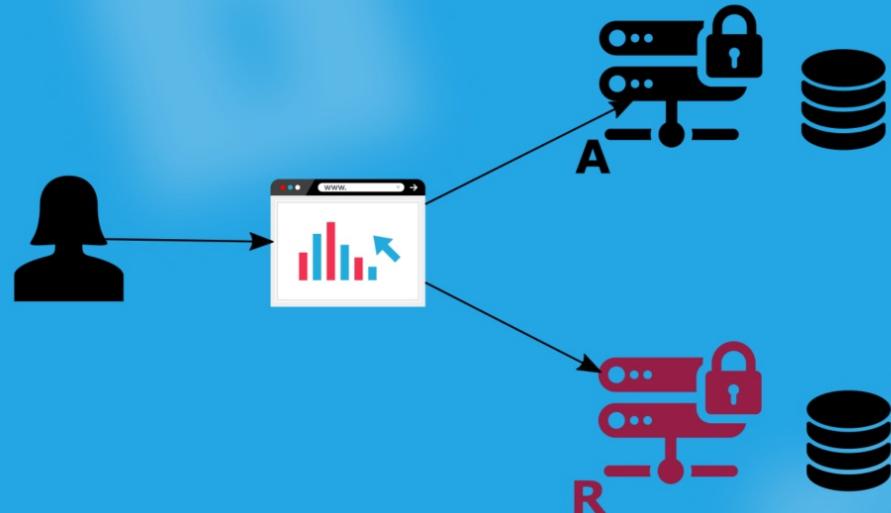
- web app
- mobile app



SLI.DO #32413



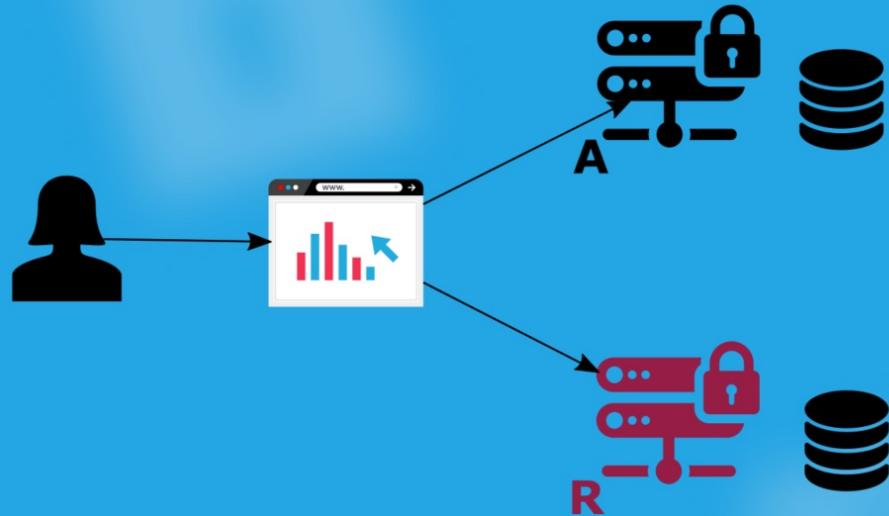
The Authorization Server
• knows the users



SLI.DO #32413

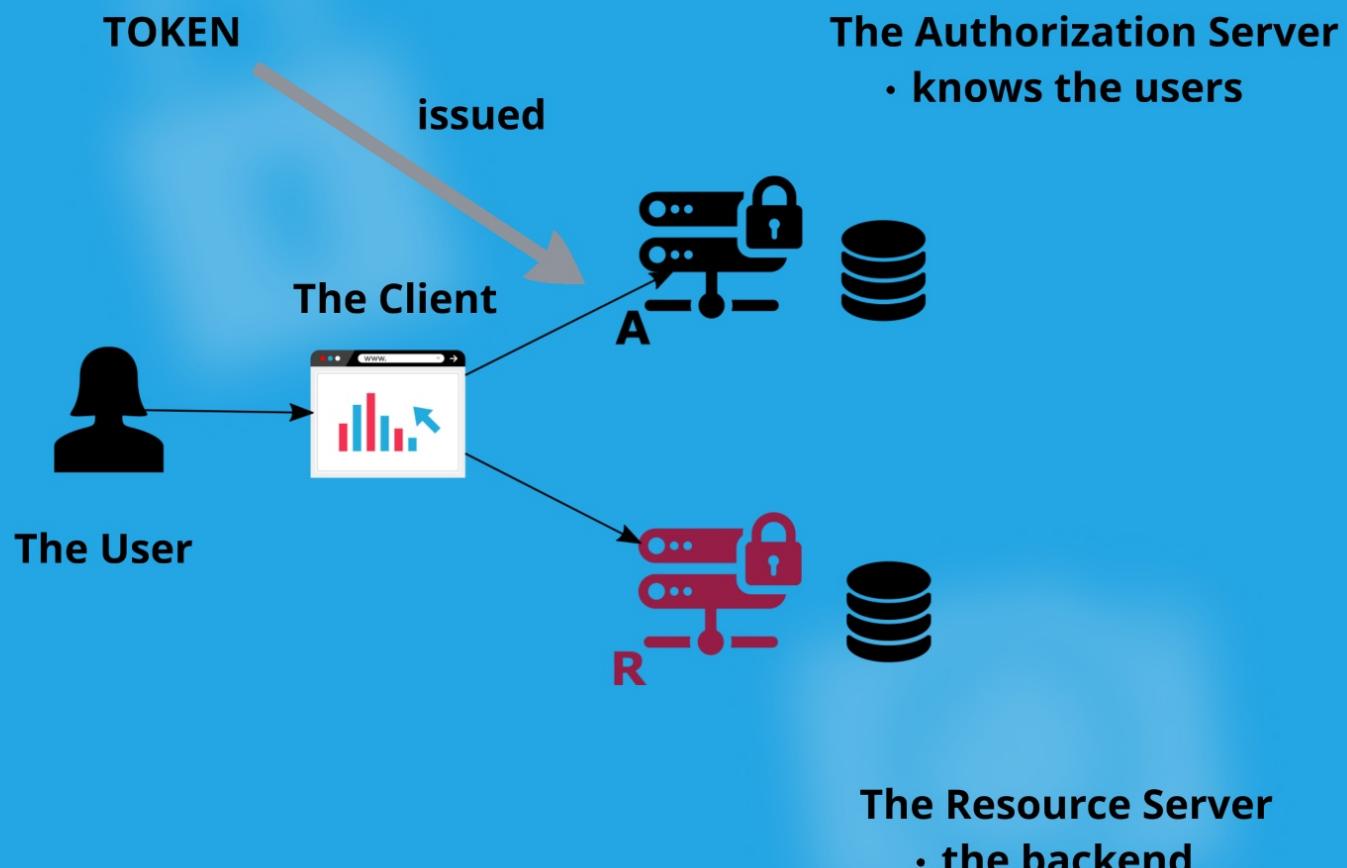


SLI.DO #32413

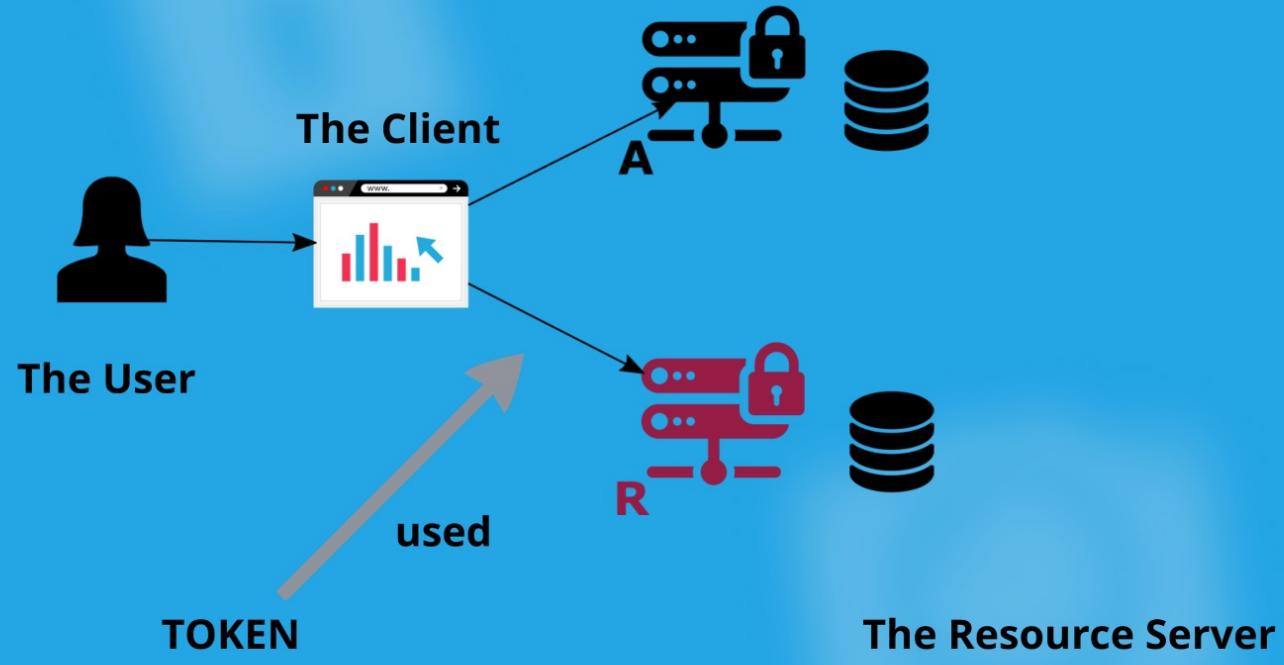


The Resource Server
• the backend

SLI.DO #32413



The Authorization Server
• knows the users



SLI.DO #32413



OAuth 2

What OAuth 2 is

- A specification
- A framework

What OAuth 2 isn't

- An implementation

The Actors

Flows

Tokens

SLI.DO #32413



GRANT TYPES

- implicit grant type (deprecated)
- authorization code grant type
- password grant type (deprecated)
- client credentials grant type

SLI.DO #32413

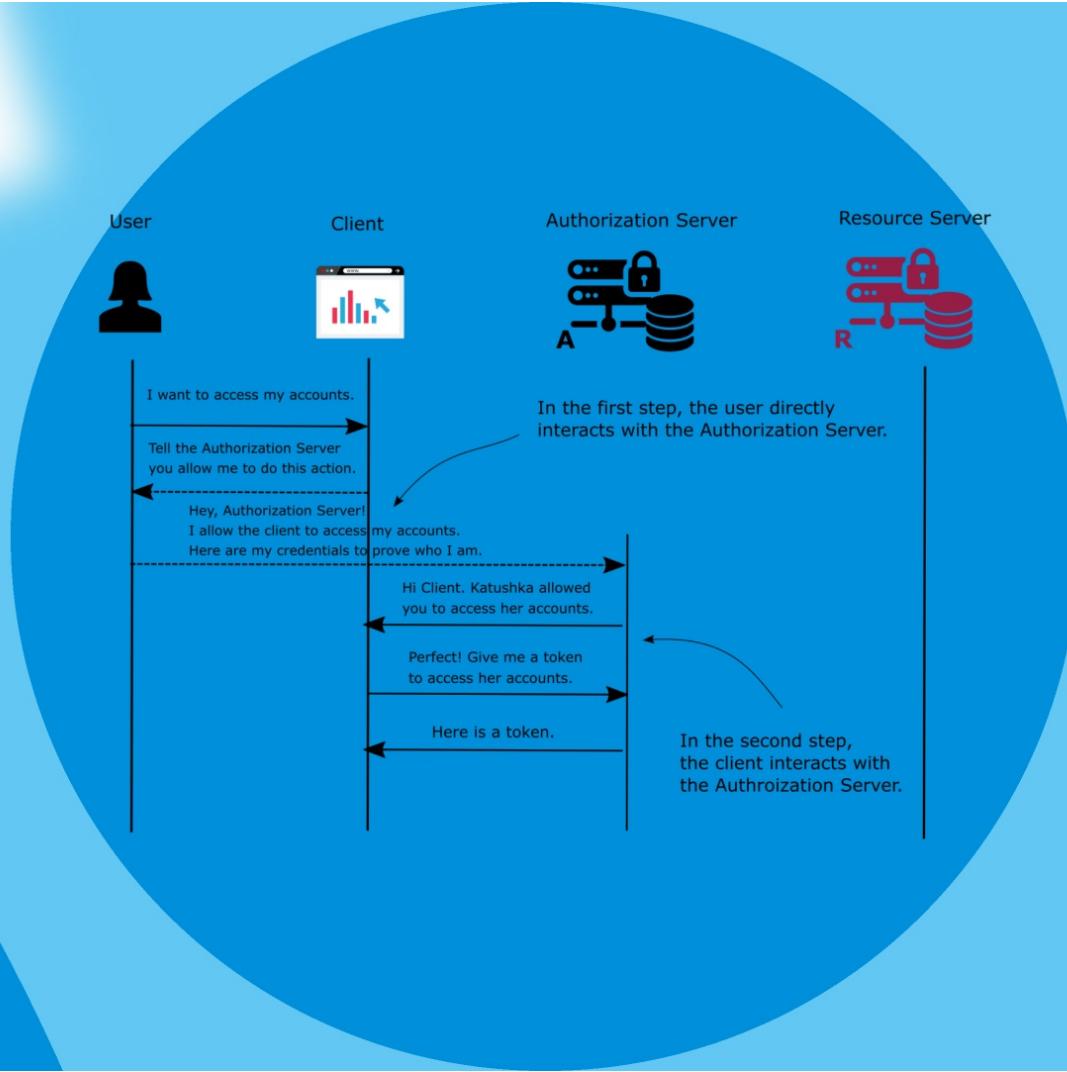


AC

password

client

SLI.DO #32413



GRANT TYPES

- implicit grant type (deprecated)
- authorization code grant type
- password grant type (deprecated)
- client credentials grant type

AC

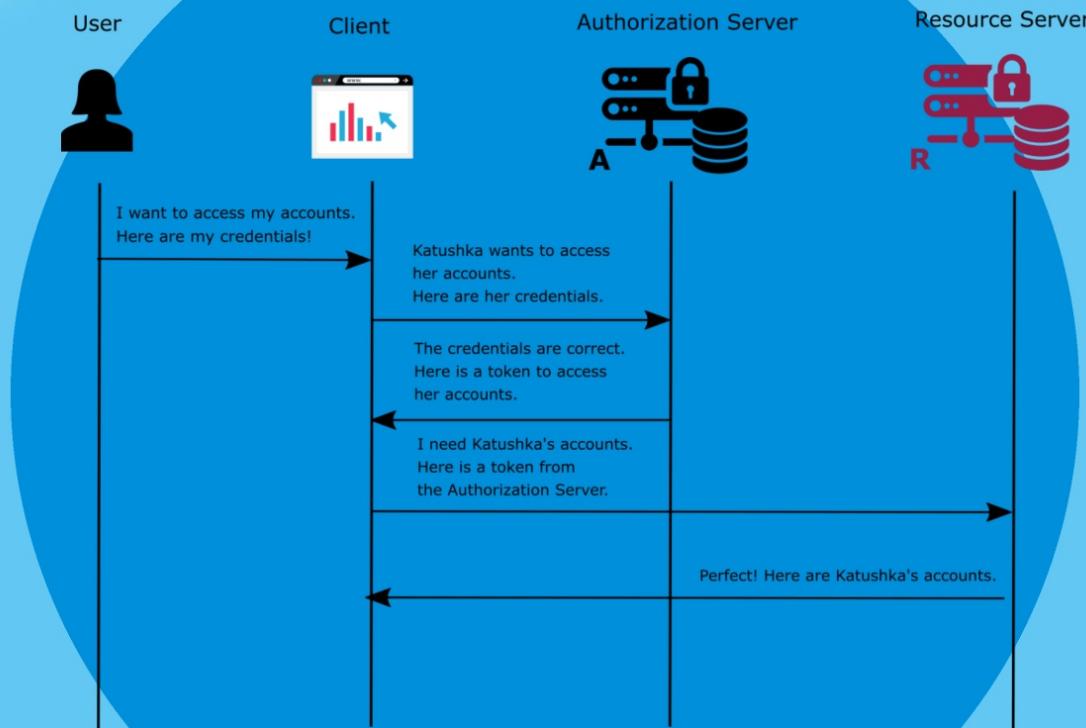
password

client

SLI.DO #32413



SLI.DO #32413



GRANT TYPES

- implicit grant type (deprecated)
- authorization code grant type
- password grant type (deprecated)
- client credentials grant type

AC

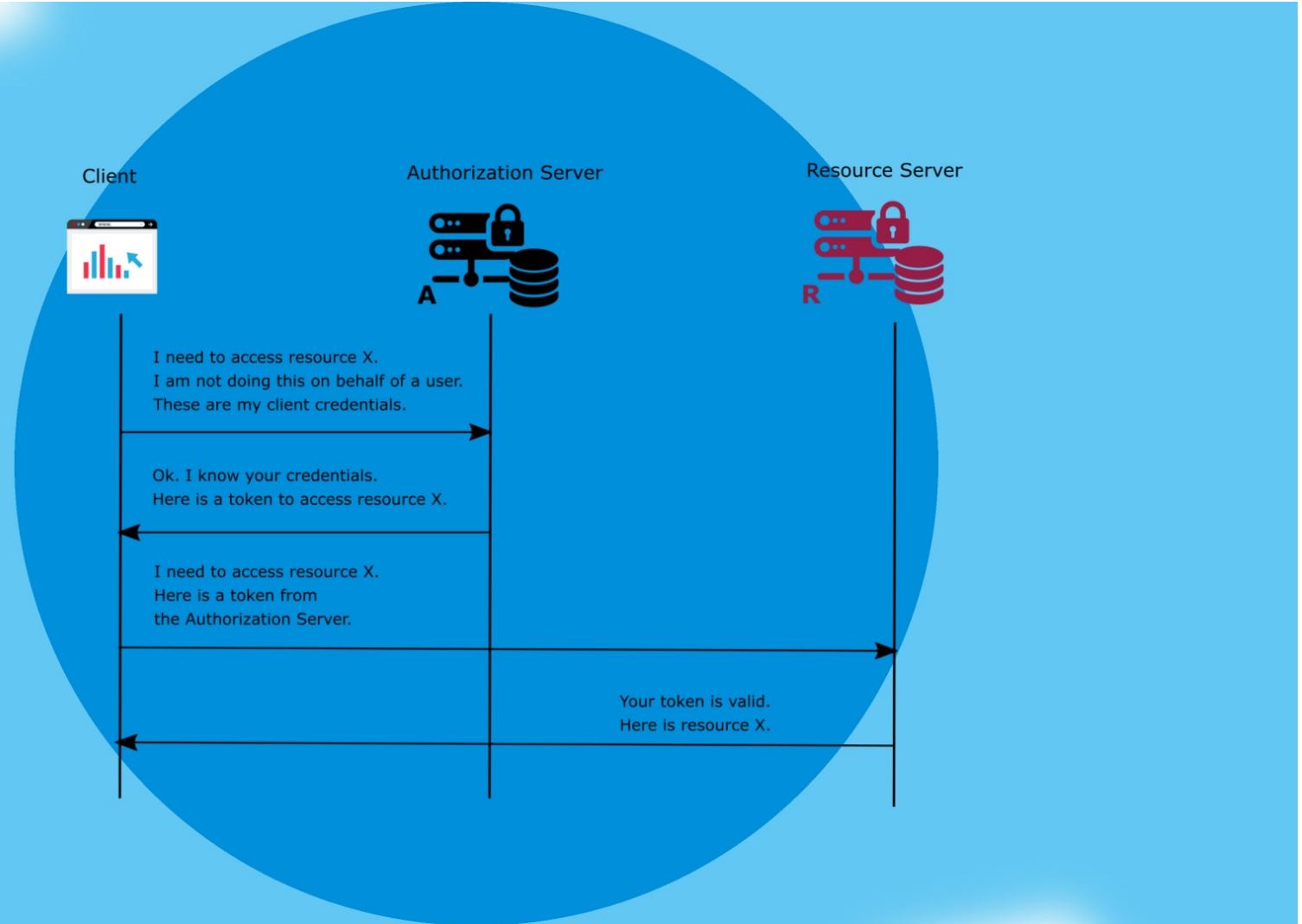
password

client

SLI.DO #32413



SLI.DO #32413



GRANT TYPES

- implicit grant type (deprecated)
- authorization code grant type
- password grant type (deprecated)
- client credentials grant type

AC

password

client

SLI.DO #32413



OAuth 2

What OAuth 2 is

- A specification
- A framework

What OAuth 2 isn't

- An implementation

The Actors

Flows

Tokens

SLI.DO #32413



SLI.DO #32413



TOKENS

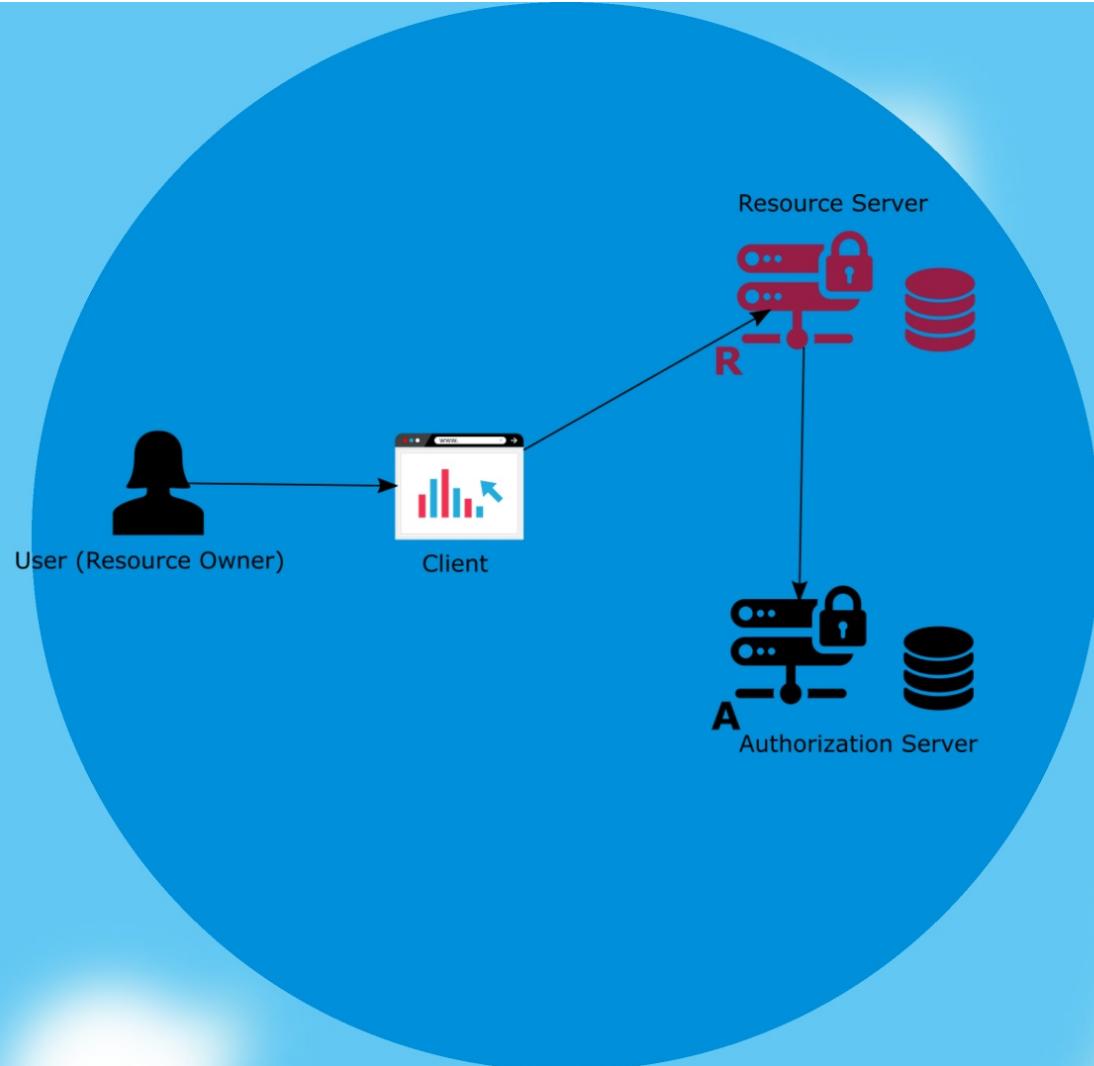
- OPAQUE
- NON-OPAQUE

token
introspection

blackboarding

cryptographic
signatures

SLI.DO #32413



SLI.DO #32413



TOKENS

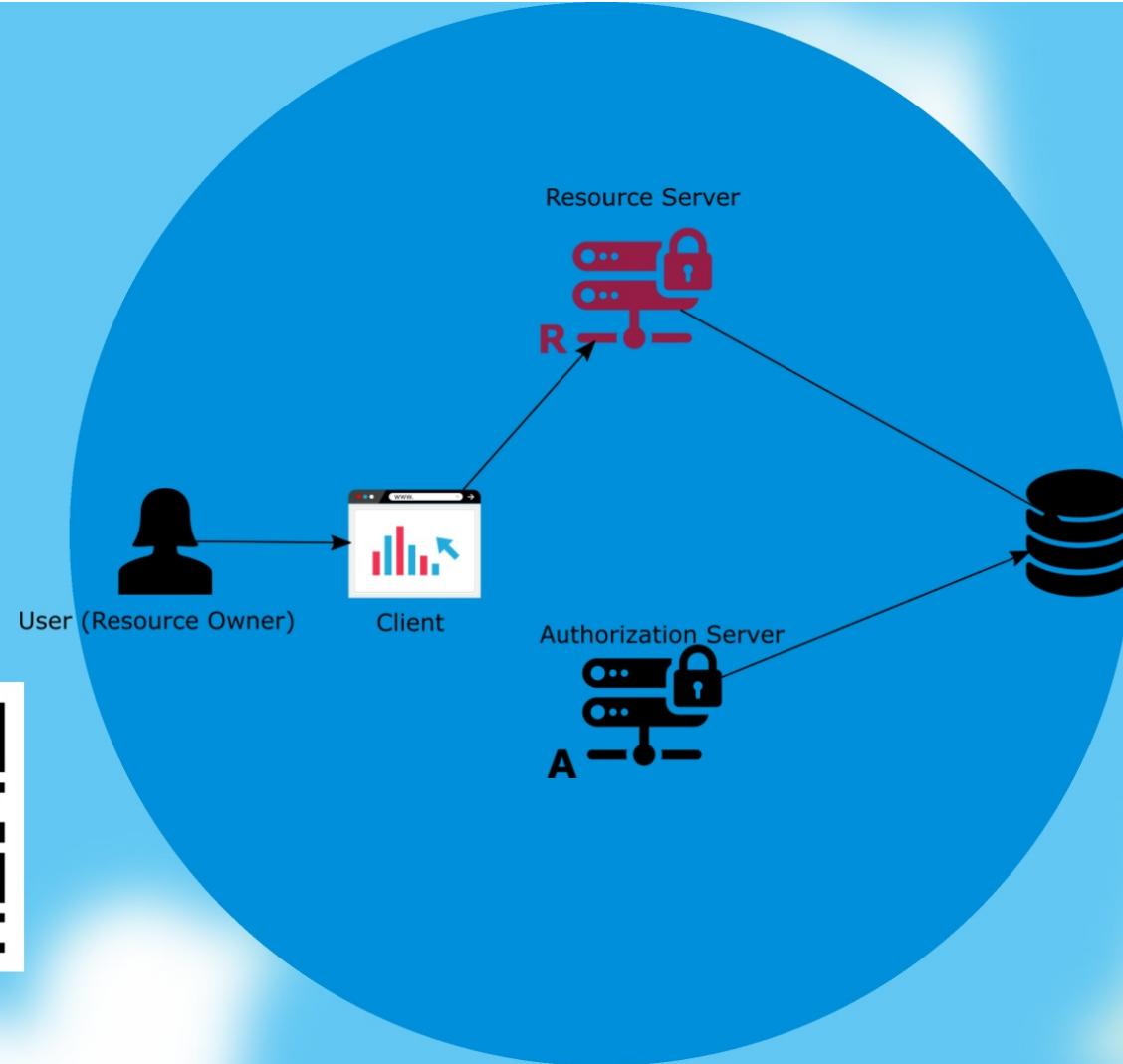
- OPAQUE
- NON-OPAQUE

token
introspection

blackboarding

cryptographic
signatures

SLI.DO #32413



SLI.DO #32413



TOKENS

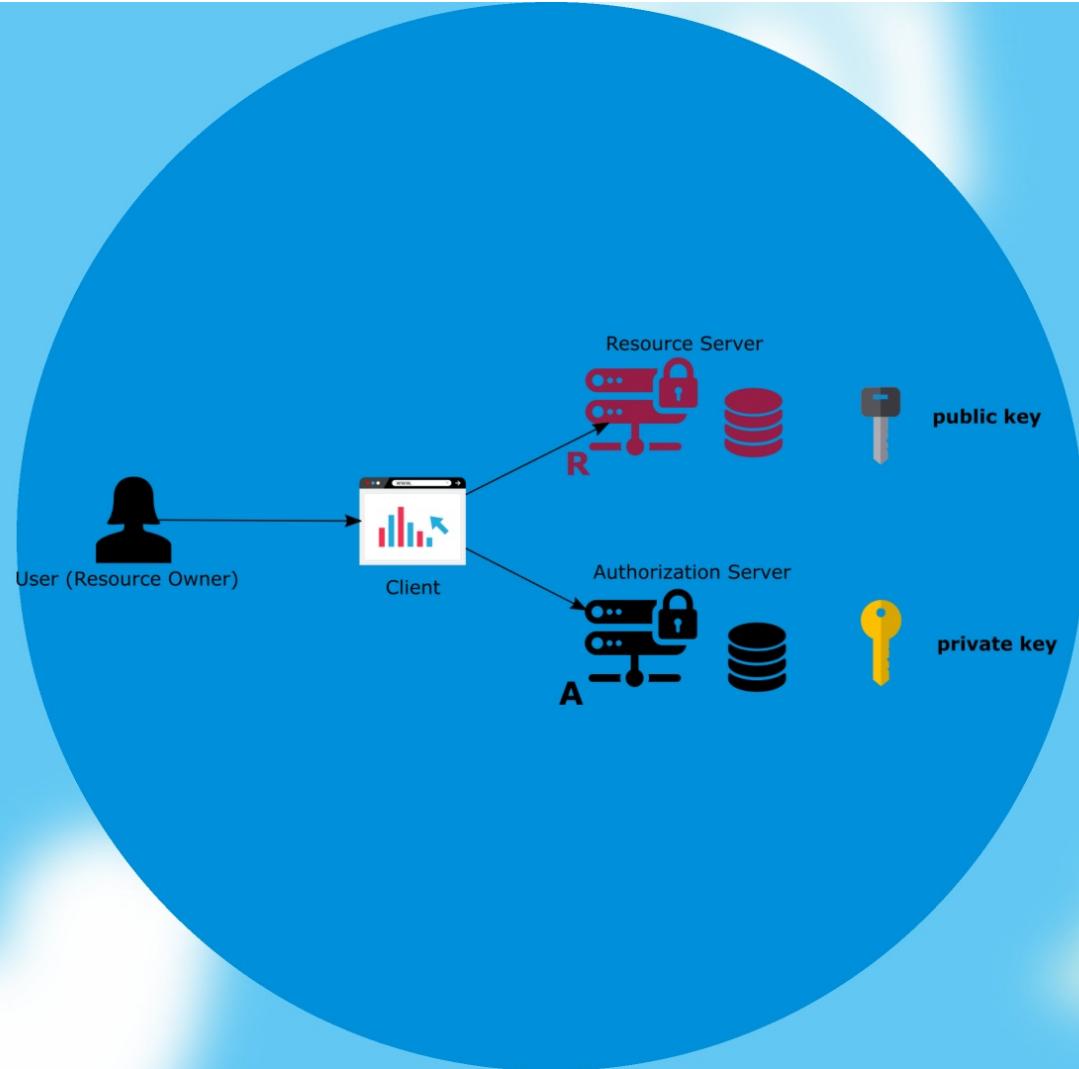
- OPAQUE
- NON-OPAQUE

token
introspection

blackboarding

cryptographic
signatures

SLI.DO #32413



SLI.DO #32413



TOKENS

- OPAQUE
- NON-OPAQUE

token
introspection

blackboarding

cryptographic
signatures

OAuth 2

What OAuth 2 is

- A specification
- A framework

What OAuth 2 isn't

- An implementation

The Actors

Flows

Tokens

SLI.DO #32413





Using OAuth 2 With Spring Security

A Masterclass

Spring Security

- offers multiple ways to implement OAuth 2 systems
 - Spring Security OAuth
 - Spring Security

SLI.DO #32413





Using OAuth 2 With Spring Security

A Masterclass

HANDS-ON

SLI.DO #32413

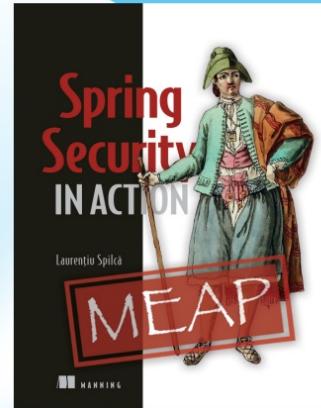
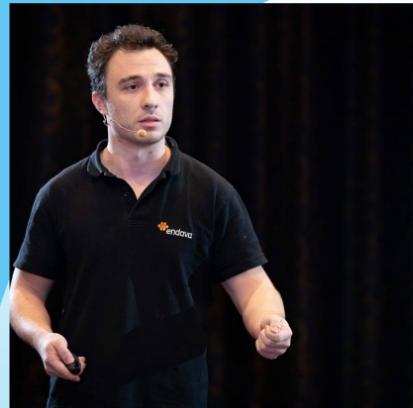




Using OAuth 2 With Spring Security

A Masterclass

SLI.DO #32413



LAURENTIU SPILCA

Java Group Community Lead @ **Endava**
laurentiu.spilca@endava.com





Using OAuth 2 With Spring Security

A Masterclass

35.



SLI.DO #32413

