



JÖNKÖPING UNIVERSITY

School of Engineering

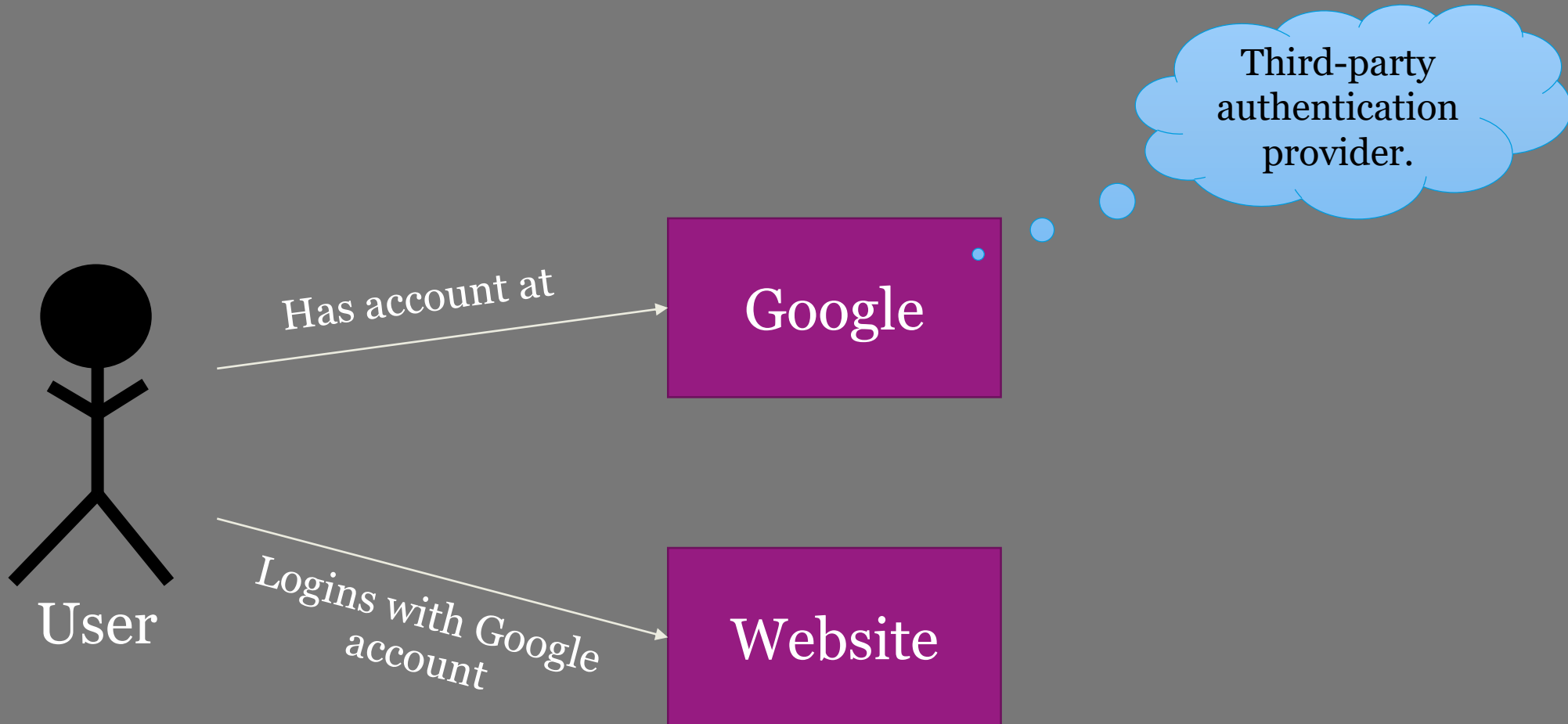
THIRD-PARTY AUTHENTICATION

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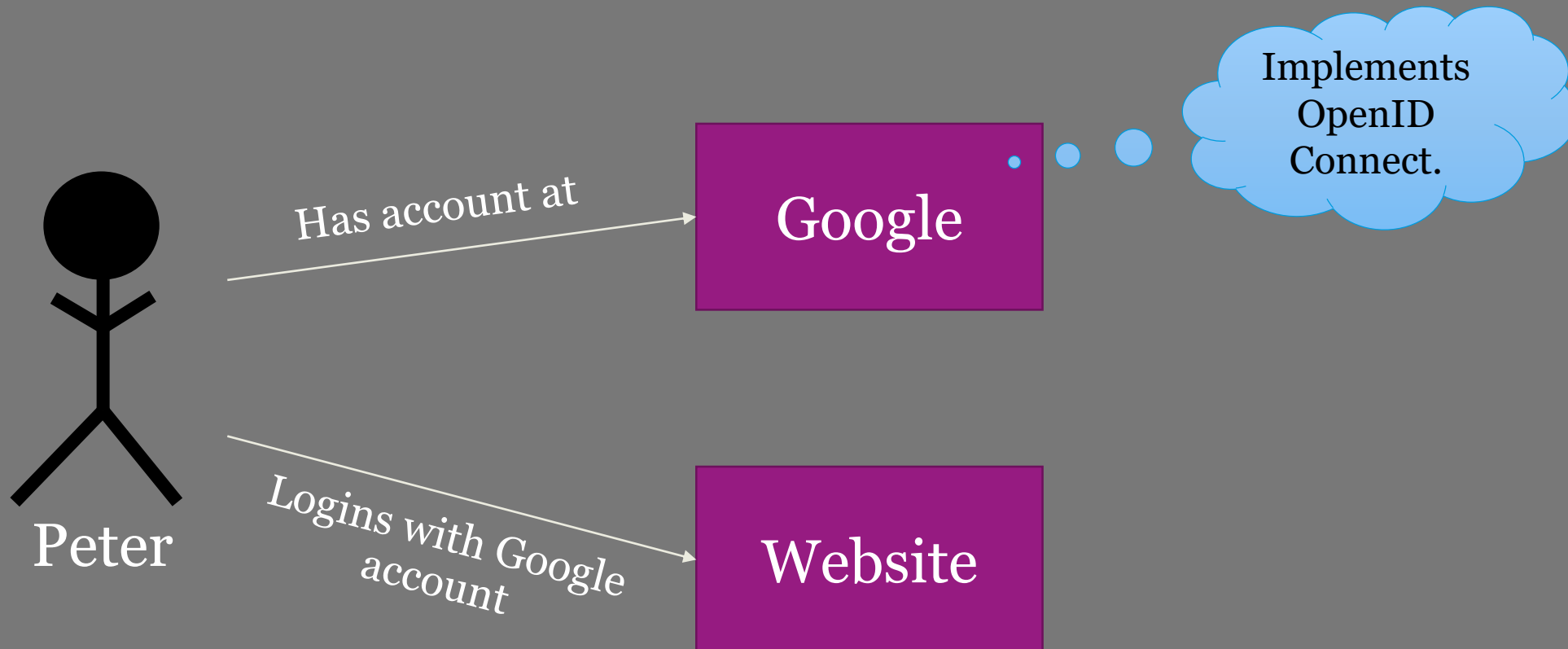
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THIRD-PARTY AUTHENTICATION



OPENID CONNECT - WHAT IS IT?

An authentication layer built on top of OAuth 2.0.



OPENID CONNECT - HOW DOES IT WORK?

Pretty much as OAuth 2.0, but:

- You receive an *ID Token*, not an *Access Token*.
 - (you can receive both)
- The ID Token is a JSON Web Token.
- Some of the claims supported by the ID Token:
 - `sub` - A unique identifier.
 - `name` - The user's entire name.
 - `preferred_username` - The user's preferred username.
 - `email` - The user's email.
 - `gender` - "female" or "male", or something else.

EXAMPLE

Let a user login with its Google account on your application.

1. Register your application as a client at Google API Console:
 1. Login at: <https://console.developers.google.com>
 2. Create a new project.
 3. Obtain `client_id` and `client_secret`.

EXAMPLE

Let a user login with its Google account on your application.

1. Register your application as a client at Google API Console.
2. Ask a user to login with its Google account:

1. Redirect user to:

```
https://accounts.google.com/o/oauth2/v2/auth?  
client_id=YOUR_CLIENT_ID&  
redirect_uri=http://YOUR_SITE.COM/GOOGLE_RESPONSE&  
response_type=code&  
scope=openid
```

2. User accepts and is redirected back to:

```
http://YOUR_SITE.COM/GOOGLE_RESPONSE?code=YOUR_CODE
```

EXAMPLE

Let a user login with its Google account on your application.

1. Register your application as a client at Google API Console.
2. Ask a user to login with its Google account.
3. On the server, exchange authorization code for ID Token:

1. Send a POST request to:

`https://www.googleapis.com/oauth2/v4/token`

with the following body:

```
code=YOUR_CODE&  
client_id=YOUR_CLIENT_ID&  
client_secret=YOUR_CLIENT_SECRET&  
redirect_uri=http://YOUR_SITE.COM/GOOGLE_RESPONSE&  
grant_type=authorization_code
```

2. Read ID token from the body of the response.