

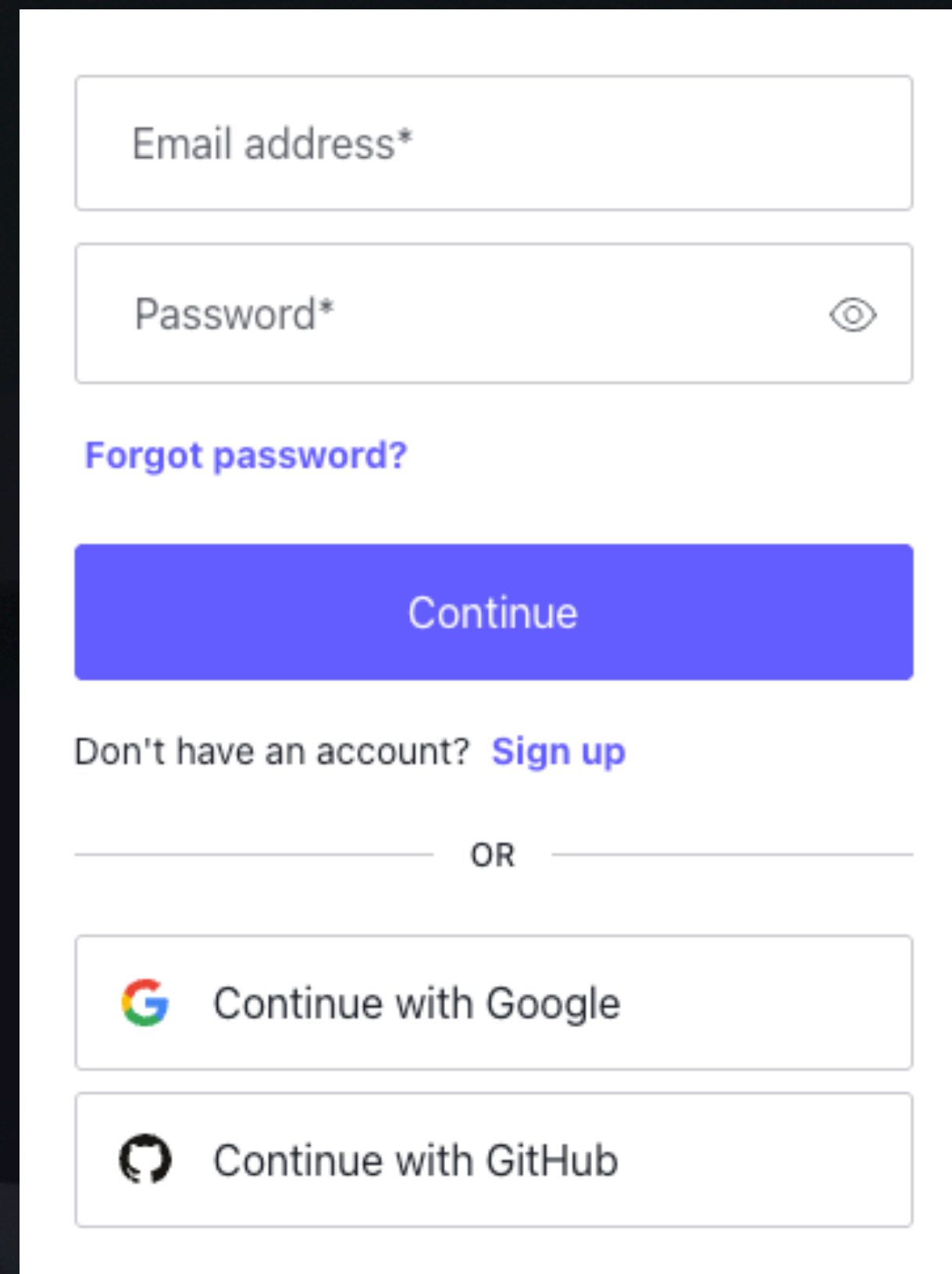
Open Authorization (OAuth)

Integrating third-party auth services

OAuth

Standard protocol for delegating authentication / authorization

Allows the user to skip creating a password



The image shows a login form with the following elements:

- An input field labeled "Email address*".
- An input field labeled "Password*" with an eye icon for toggling visibility.
- A link labeled "Forgot password?" in blue.
- A large blue button labeled "Continue".
- Text "Don't have an account?" followed by a blue link "Sign up".
- A horizontal separator line with the word "OR" in the center.
- A button with the Google logo and the text "Continue with Google".
- A button with the GitHub logo and the text "Continue with GitHub".

Sometimes, our app can act on behalf of the user

OAuth

Internet Engineering Task Force (IETF)
Request for Comments: 6749
Obsoletes: [5849](#)
Category: Standards Track
ISSN: 2070-1721

D. Hardt, Ed.
Microsoft
October 2012

The OAuth 2.0 Authorization Framework

Abstract

The OAuth 2.0 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction between the resource owner and the HTTP service, or by allowing the third-party application to obtain access on its own behalf. This specification replaces and obsoletes the OAuth 1.0 protocol described in [RFC 5849](#).

Status of This Memo

OAuth

Standard protocol for delegating authentication / authorization

Your Application

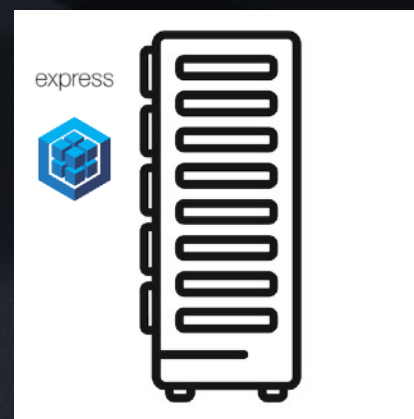
User

3rd Party Service

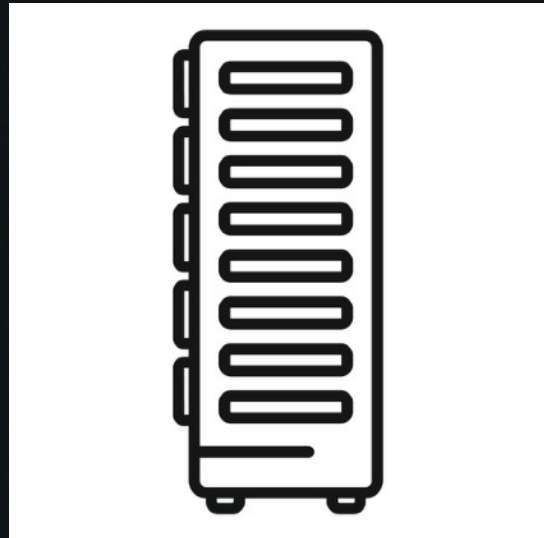
“consumer”

“user”

“provider”



OAuth



Consumer

The consumer must have registered
with the Provider in advance.

Provider gives Consumer a

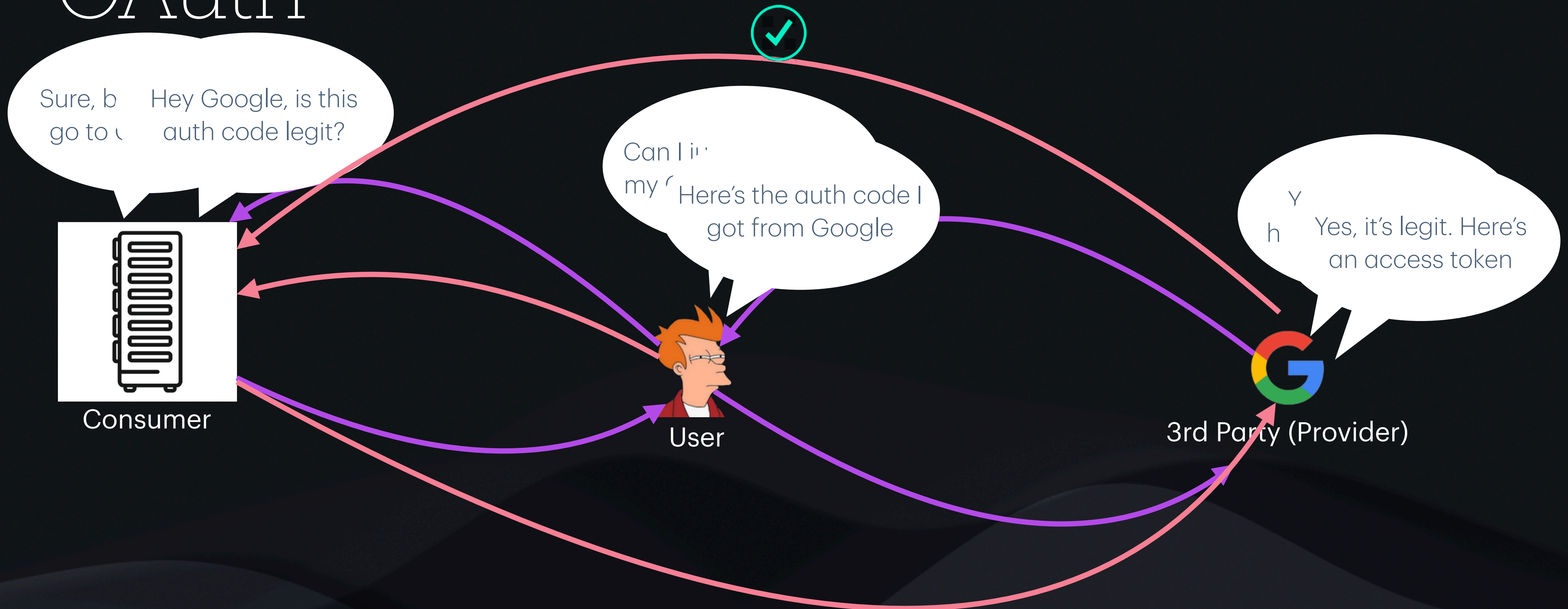
client_id and a **client_secret**

(Analogous to username and password)



3rd Party (Provider)

OAuth



<http://consumer.com/confirm?authcode=543>

http://provider.com/oauth/authorize?client_id=879&callback_url=consumer.com/confirm&scope=read

OAuth



OAuth

We can either:



Make our own OAuth consumer



Let someone else do it

OAuth Practice

